

OPPLE
LIGHTING.

Product Book

Edition 2026

OPPLE.COM

Valued Partners,

At OPPLE Lighting, innovation, professionalism and sustainability continue to shape everything we do. With more than 30 years of experience in professional lighting, we continuously evolve our Business-to-Business portfolio, driven by market developments and the real needs of our customers.

At Light + Building, we marked the start of a new chapter for OPPLE Lighting. Here, we presented not only a broad range of innovations, but also a clear strategic direction: further professionalising the way we support our customers and delivering strong value-for-money solutions, combined with excellent service.

In 2026, we continue this momentum. Our SMART Lighting portfolio expands with advanced sensor technologies and intelligent control solutions, including DALI- and Bluetooth-based systems. At the same time, we remain committed to Human Centric Lighting, with innovations such as a new rectangular Skylight designed to bring the benefits of daylight into narrower and darker corridors.

We also respond to the growing demand for reliable, high-quality and affordable lighting for industrial halls and warehouses. All products in this Product Book are developed from market insights and customer needs, designed to save energy intelligently and deliver sustainable lighting solutions in a responsible and future-proof way.

Together, we move towards a more efficient and sustainable future.

OPPLE European Leadership Team

Steven Cai
Gerrit Lucas
Erik Botter



Who we are

With over 30 years of illuminating experience, OPPLE is proud to shine as one of the top 5 lighting brands in the world. From our three state-of-the-art research, development and production centers, we bring you the latest innovations and services. As a family-owned company, we value strong partnerships and are fully dedicated to serving and surprising our partners and customers.

Our Belief

We recognize that diversity and inclusivity are critical components of a thriving organization. We believe that a diverse team brings unique perspectives and experiences that drive innovation and creativity, and we strive to foster an environment where everyone feels valued and respected. We are committed to creating a culture that promotes a healthy balance between the well-being of our people, the sustainability of our planet, and the growth and profitability of our company. Together, we work towards a common goal of creating a more equitable and just workplace.

Company with a purpose

We are dedicated to playing our part in creating a more sustainable future. We aim to accelerate the transition to carbon neutrality by providing accessible and environmentally-friendly LED lighting solutions for all. By offering affordable and meaningful options, we hope to empower individuals and organizations to make conscious, sustainable choices in their lighting needs. Our goal is to contribute to a healthier planet for all by reducing carbon emissions through the widespread adoption of energy-efficient lighting.

One team, one promise

We believe in the power of teamwork and the importance of clear communication. Our team is dedicated to simplifying processes, making quick decisions, and following through on our commitments. It is the people at OPPLE who truly set us apart and drive our success. Together, we strive to deliver on our promise of excellence.



Sustainability at OPPLE

Lighting the way towards a sustainable future

At OPPLE Lighting, sustainability is an integral part of how lighting solutions are designed, produced and delivered. When you choose OPPLE, you work with a partner that does more than simply comply with sustainability requirements. We actively go beyond ESG guidelines, fully aligned with the **Corporate Sustainability Reporting Directive (CSRD)**, the European framework that supports the ambitions of the European Green Deal. This allows you to offer your customers lighting solutions that are not only efficient today, but also compliant with future sustainability expectations.

Our approach to sustainability is built on three closely connected pillars: **Environmental, Social and Governance**. Together, they ensure that innovation, responsibility and transparency are embedded throughout the entire value chain.



Environmental

Reducing environmental impact throughout the full lifecycle



For your customers, sustainable lighting starts with **energy efficiency, reliability and long-term performance**. OPPLE continuously develops lighting solutions that combine high efficiency with intelligent control, enabling customers to reduce energy consumption without compromising light quality or safety. Through the application of SMART Lighting, including sensors and DALI- and Bluetooth-based control, lighting is only active when and where it is needed.

Sustainability is also deeply embedded in how our products are manufactured. OPPLE owns three fully vertically integrated production facilities, where **energy-efficient manufacturing techniques** are applied to minimize waste and energy consumption. At our main campus in Wujiang, China, more than 80,000 m² of photovoltaic panels generate over 12 MW of renewable energy, resulting in an annual CO₂ reduction of 8,749 tons. A ground source heat pump further contributes to sustainable production.

Beyond production, OPPLE follows a full lifecycle approach. **Modular product design**, cooperation with local recycling organizations such as WEEE schemes, and the implementation of **Life Cycle Assessments** and **Environmental Product Declarations** ensure transparency and support a circular economy.

Social



Lighting that supports people, well-being and responsibility

Sustainability is also about people. Through continuous investment in **Human Centric Lighting**, OPPLE develops lighting solutions that contribute to comfort, well-being and health in professional environments. This allows you to offer lighting that improves daily comfort and productivity.



Better wellbeing



Greater focus and alertness



Higher productivity



Enhanced sleeping quality

OPPLE is committed to safe, fair and equitable working conditions across all operations. **Diversity and inclusion** are embedded in the organization, with women represented across all levels. OPPLE also actively engages with local communities and ensures sustainable solutions remain affordable.

Women at OPPLE

38%
Workforce

23%
Executives

26%
Middle managers

Governance



Transparency, compliance and long-term reliability

OPPLE operates according to strict ethical and compliance standards, supported by internationally recognized ISO-certified management systems. With annual investments of more than €45 million in in-house R&D, sustainability is embedded in every innovation.







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A hand holding a smartphone is shown in a blue-tinted, low-key photograph. Overlaid on the image is a network diagram consisting of several glowing blue nodes connected by thin white lines. The nodes are positioned at various points, including one near the hand and another near the top of the frame. The overall aesthetic is futuristic and tech-oriented.

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OPPLE Smart Lighting

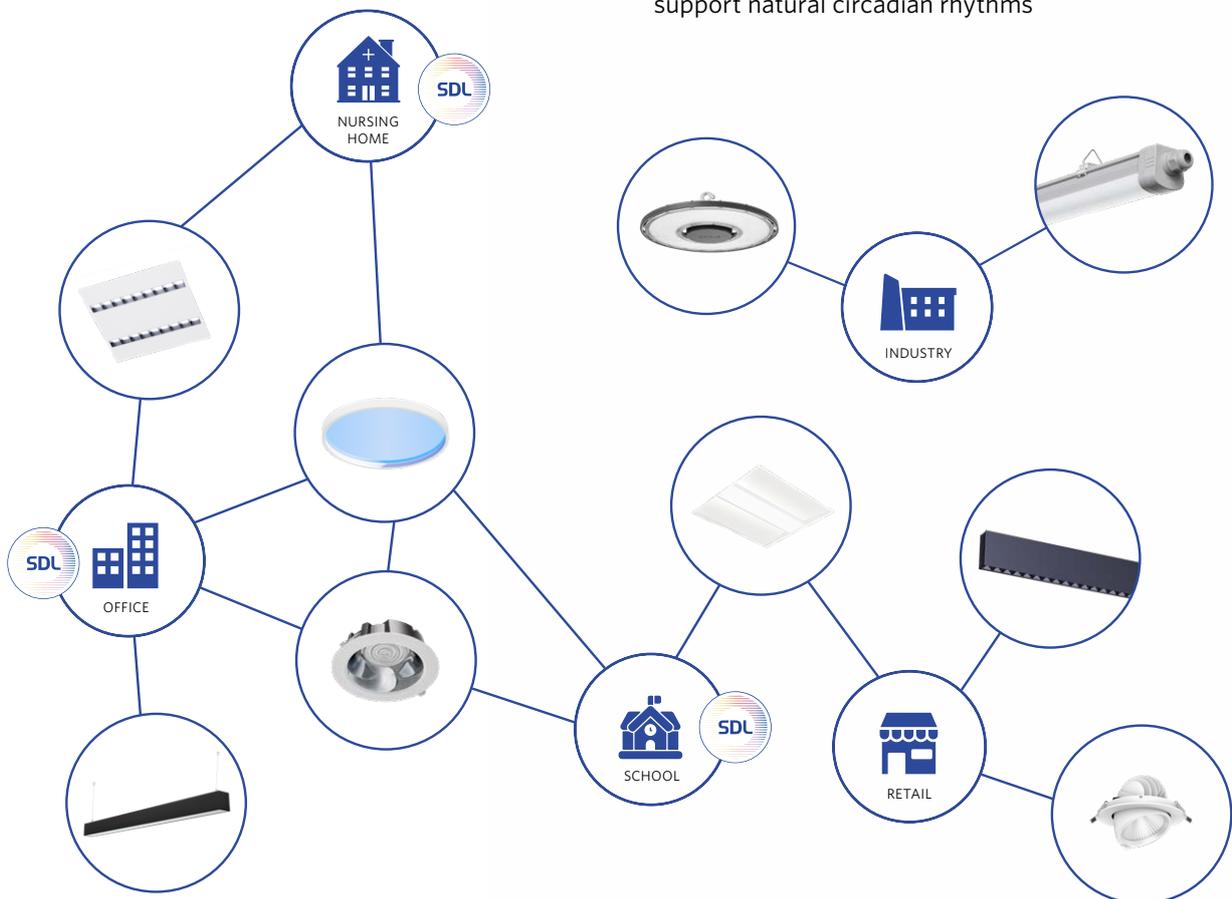
Full SIG Mesh Smart Lighting portfolio for any occasion

With OPPLE Smart Lighting you can count on:

Benefits:

- Industry standard wireless BLE protocol
- Feature-rich advanced easy to use smart app
- Robust and reliable Bluetooth communication
- Optional Smart gateway which can be remotely controlled
- Possibility to integrate with third party devices

- Completely wireless control of lighting utilizing Bluetooth SIG Mesh
- Dynamic lighting without extra wiring
- Quick and easy installation, no need for a gateway
- Maximum energy savings thanks to the use of Smart Sensors
- Various scenes/moods can be set
- Unique features like daylight control, the corridor mode, movement sensors and smart relays
- Maximum security thanks to encrypted signal and strict user management
- Human-Centric Lighting (HCL) functionality to support natural circadian rhythms



Smart Classic

Smart Lighting for small & medium sized applications

- App based
- Simple and fast
- SIG Mesh Standard
- Scene setting
- Wireless sensors and switches
- Daylight control and corridor mode
- Independent from building



Google Play Store



Apple App Store



Smart Connect Box

Smart Lighting towards fully integrated solutions

- Gateway and web UI based
- Full remote control
- SIG Mesh Standard & DALI control
- Wireless sensors and switches
- Extensive configuration options
- Energy and occupancy monitoring
- Connection to BMS possible
- Unlimited project size
- HCL functionality
- Floor map feature
- DALI-2 input sensor reading



Available as Tunable White & SDL

- Varying colours in the same fixture
- SDL full color mode
- Warm white to cool white (TW with 2.700K - 6.500K range) (SDL with 1.800K - 12.000K range)
- Easy to install and control via the Smart Lighting system
- Healthcare and 24hrs applications

Compatibility with 3rd party luminaires and controls

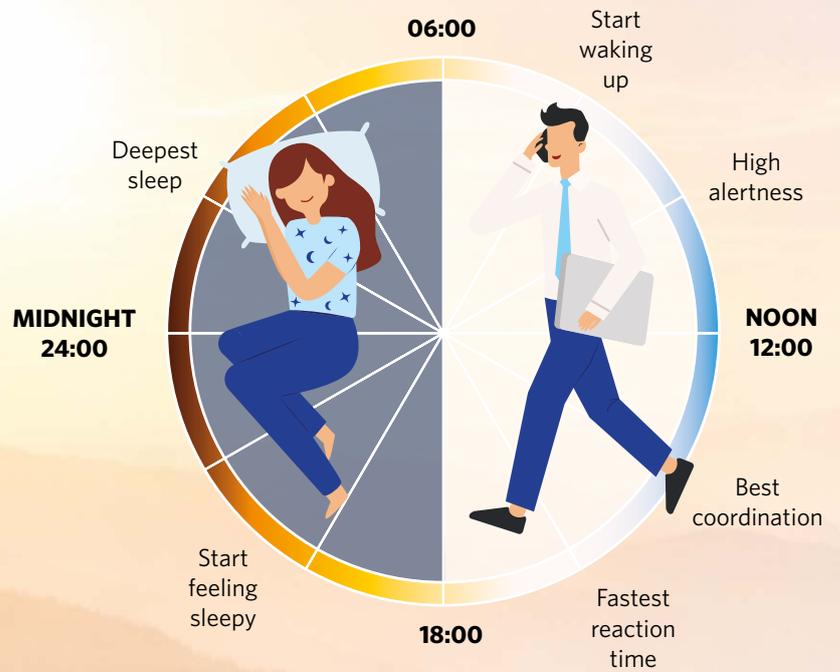


OPPLE Human Centric Lighting

Bring The Sun Inside

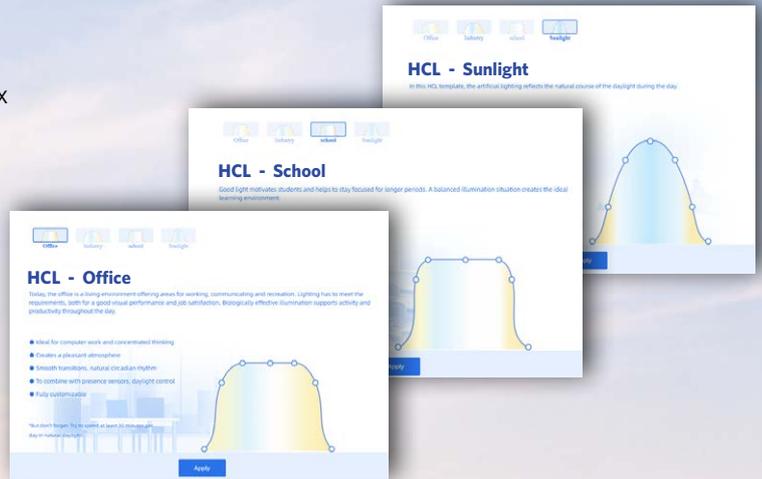
With OPPLE's HCL feature people can now benefit from the natural daylight, inside.

HCL is a lighting design and application that improves our **psychological** and **physiological** states. This is especially important since we spend about 90% of our times without exposure to sunlight.



OPPLE offers a fully automated HCL system. It has never been easier to set up Human Centric Lighting!

- Choose from our preconfigured templates
- Full customization possible
- Available through the OPPLE Smart Connect Box
- No extra costs or subscription required



Full Portfolio available

Works with existing OPPLE SMART tunable white and dimmable luminaires.

FULL HCL

1.800K - 12.000K range



HCL - Brightness only



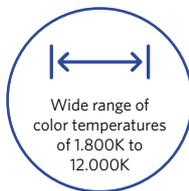
OPPLE Software Defined Lighting

**Since we spend most of our time indoors,
natural light is essential for our well-being**

Lighting can positively impact biological well-being,
making careful planning essential.

- Supports natural circadian rhythm for healthier sleep-wake cycles
- Boosts focus and alertness throughout the day
- Enhances productivity by creating an optimal environment
- Contributes to better sleep quality and overall wellness

Why we love natural light:



Benefits of HCL and an improved circadian rhythm include:





OPPLE Smart Connect Box

The Smart Connect box is an optional extra piece of hardware, that unlocks extra features of the Smart Lighting system. An extremely versatile device that facilitates the connection of your Smart Lighting system with the outside world.

The idea is simple: after connecting the Smart Connect Box to the network in your building, you can communicate remotely with all the Smart luminaires, sensors, and switches. The Smart Connect Box offers especially great benefits for larger buildings with multiple floors.

OPPLE "Classic" Smart Lighting vs Connect Box	"Classic" Smart Lighting system	Smart Connect Box system
Use of Smart Switch	✓	✓
Use of Smart Sensor	✓	✓
Daylight Control	✓	✓
Multiple managers/users per project	✓	✓
Show actual occupancy	✓	✓
Show actual temperature/humidity	✓	✓
Multiple installers per project	✗	✓
Human Centric Lighting	✗	✓
Control > 100 devices at once	✗	✓
Switch lighting at specific time/date	✗	✓
Control your lighting installation remotely	✗	✓
Energy use graph	✗	✓
Temperature/humidity graph	✗	✓
Occupancy graph per area	✗	✓

The benefits

- Maps out data clearly on energy consumption, temperature, humidity and occupancy detection for each building, floor and room.
- Always and everywhere in control: operate your building's lighting from a remote location.
- All DALI luminaires can be linked and operated via Smart Switch or Smart Sensor, and the DALI 2-input sensor can also be used to control BLE devices.
- Scheduler: luminaire automatic on-/off switch at a specific time or date.
- Links multiple Smart Connect boxes in a single project.
- Completely compatible with the existing OPPLE Smart Lighting system.
- Full logic configuration of the system (IFTTT rules) is possible.
- Copy-paste function for Lighting scenes and automation rules from room to room.
- Possibility to integrate in Building Management Systems via BACNet or Modbus.
- Floormap functionality with clear overview of your project.
- Improve focus and productivity with HCL.





Smart Connect Box G2

- Human Centric Lighting enabled (in combination with TW and SDL luminaires)
- Monitor energy consumption per building, floor or room
- Wireless communication based on future-proof, standardized Bluetooth SIG Mesh protocol
- Remote control of your Smart Lighting project
- Can also be used as a DALI2 controller and readout DALI2 input sensors. DALI fixtures get the same functionality as OPPLE Smart luminaires, including Tunable White control of DT8 luminaires
- Scheduler: automatically turn on/off luminaires at a specific time or date
- Connect multiple Smart Projects into one big project
- Integration into building management systems possible via ModBus and BACnet
- Compatible with existing OPPLE Smart Lighting BLE2 luminaires and BLE2 accessories
- Floormap functionality: a digital map where users can position devices according to real life situations
- Equipped with dual Ethernet ports to allow easy network daisy-chaining



Specifications

Item Code	Item Description
822008000800	LEDSmart-BLE2-DALI-Connect-Box G2

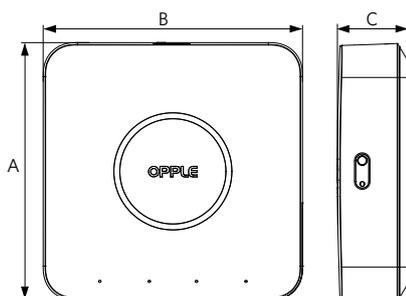
Technical Specifications	
Power consumption	Max 15W
Finishing	White
Protection Class	II
Communication	Wired: 2x Ethernet (RJ45), DALI2 (DT8), ModBus, RS-485 Wireless: Bluetooth® Low Energy Mesh (BLE2)
Integrated DALI power supply	Yes

Electrical Supply	
Input voltage	100-240 V AC
Frequency	50/60 Hz
Input current	0.15 A
USB Type-C input	DC 5 V, 2 A
Output voltage (DA+)	18 V DC
Output current (DA+)	Max 0.25 A

Ambient Conditions	
Operating temperature	-10 ~ 40°C
Application temperature	25°C
Storage environment	20 ~ 50°C



Dimensional drawing (mm)



A	B	C
110	110	30

821011002600 - LEDSmart-BLE2-DALI-Connect-Box



Smart Sensor (Passive Infrared)

- Compact Bluetooth® presence detector for use in OPPLE Smart Lighting System
- Large detection area of Ø 10m
- Recommended mounting height 2-3,5m
- Suitable for the OPPLE Smart Daylight regulation
- Very easy to set up with the OPPLE Smart Lighting App, or Smart Connect Box through the web user interface
- Including temperature- and humidity sensors
- Complete wireless communication via future-proof, standardized Bluetooth® Low Energy (BLE) SIG Mesh protocol



Specifications

Item Code	Item Description	Sensor range
821006002000	LEDSmart-BLE2-Rc-PIR-Sensor	10m

Accessories



560098000600
LEDSmart-Sensor Surface-Module-WH

Technical Specifications	
IP-class	IP20
IK-class	IK02
Finishing	White RAL9003
Communication	Opplé Bluetooth® Low Energy SIG Mesh (BLE2)
Protection Class	II
Detection diameter (when installed at 2-3.5m height)	Max Ø 10m Max Ø 5m when sitting
Detection angle	360°
Detection technology	Passive Infrared (PIR)
Switch-off delay time	5s-60min
Daylight balance	Yes
Temperature sensor	Yes
Humidity sensor	Yes

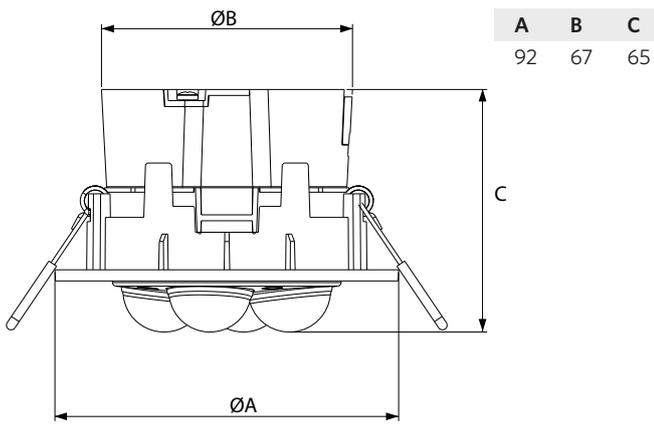
Electrical Supply	
Power consumption	1.2W
Nominal voltage	220-240 V AC
Frequency	50/60 Hz

Mechanical Properties	
Material housing	PC

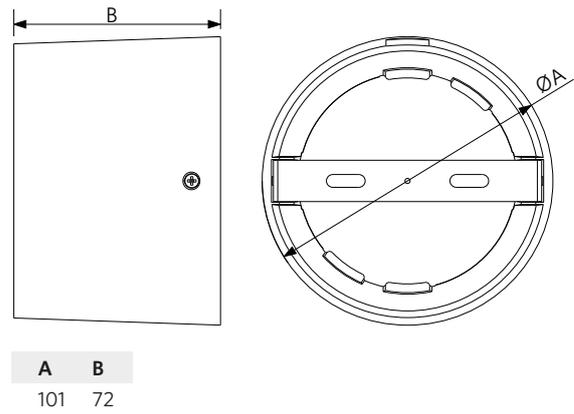
Ambient conditions	
Operating Temperature	-25-+30°C



Dimensional drawing (mm)

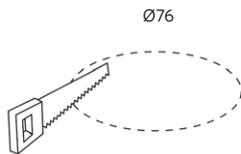


821006002000 - LEDSmart-BLE2-Rc-PIR-Sensor



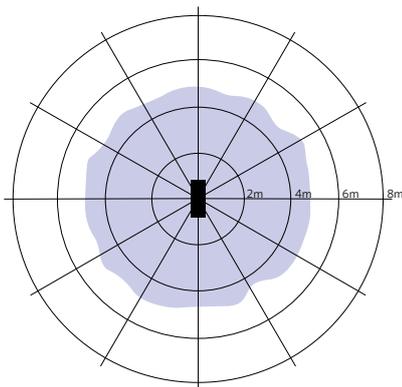
560098000600 - LEDSmart-Sensor Surface-Module-WH

Installation opening drawing (mm)



821006002000 - LEDSmart-BLE2-Rc-PIR-Sensor

Detection range



Installation - Low Ceiling
Suggested installation height 2-3m



Smart Sensor (Microwave)

- Compact Bluetooth® presence detector for use in OPPLE Smart Lighting System
- Large detection area of Ø 20m
- Suitable for the OPPLE Smart Daylight regulation
- Very easy to set up with the OPPLE Smart Lighting App, or Smart Connect Box through the web user interface
- Suitable for high ceiling applications (max detection height of 13m)
- Adjustable detection area for low/high ceiling applications
- Complete wireless communication via future-proof, standardized Bluetooth® Low Energy (BLE) SIG Mesh protocol



Specifications

Item Code	Item Description	Sensor range
821006001800	LEDsmart-BLE2-Rc-MW-Sensor	20 m

Accessories



560098000600
LEDsmart-Sensor Surface-Module-WH



560006000900
LEDsmart-Sensor IP65-Base-Module
Excluding sensor



560006001000
LEDsmart-Sensor IP65-Module
Excluding sensor

Technical Specifications	
IP-class	IP20 / IP65*
IK-class	IK02 / IK07*
Finishing	White RAL9003
Communication	Opplé Bluetooth® Low Energy SIG Mesh (BLE2)
Protection Class	II
Detection diameter (when installed at 2.5-13m height)	Max Ø 20m
Detection angle	360°
Detection technology	Microwave (MW)
Switch-off delay time	30s - 60min
Daylight balance	Yes
Temperature sensor	No
Humidity sensor	No

Electrical Supply	
Power consumption	2.2W
Nominal voltage	220-240 V AC
Frequency	50/60 Hz

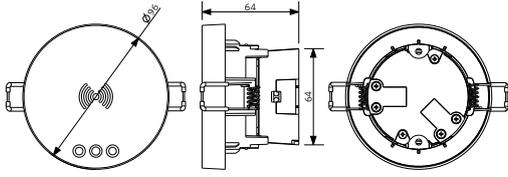
Mechanical Properties	
Material housing	PC

Ambient conditions	
Operating Temperature	-30-+55°C

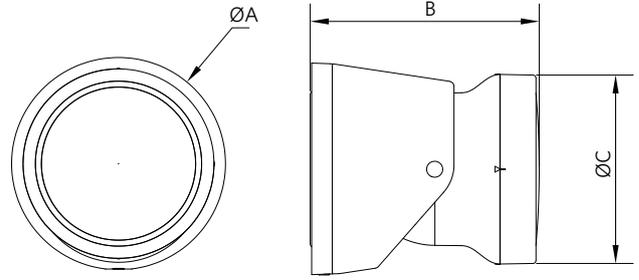


* Only in combination with IP65 accessory modules

Dimensional drawing (mm)

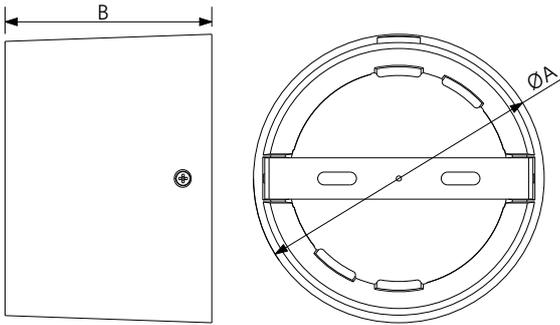


821006001800 - LEDSmart-BLE2-Rc-MW-Sensor



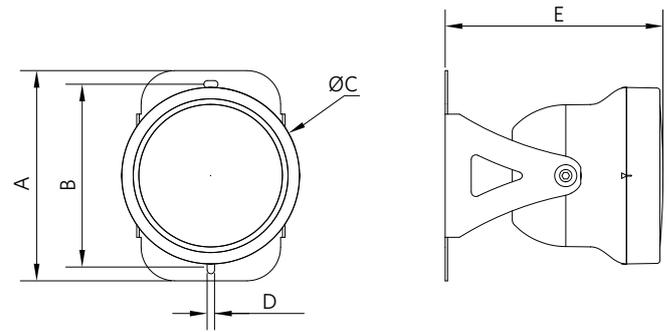
A	B	C
122	130	109

560006000900 - LEDSmart-Sensor IP65-Base-Module



A	B
101	72

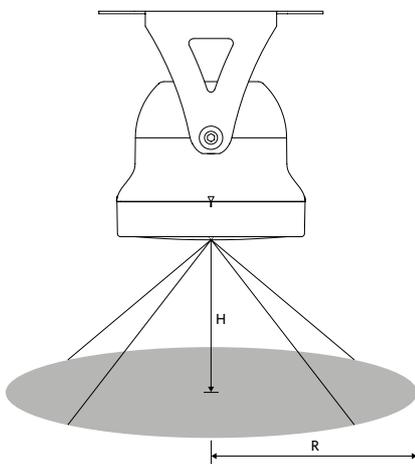
560098000600 - LEDSmart-Sensor Surface-Module-WH



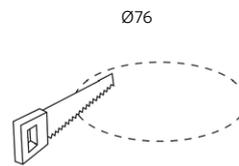
A	B	C	D	E
130	113	109	5	133

560006001000 - LEDSmart-Sensor IP65-Module

Detection range

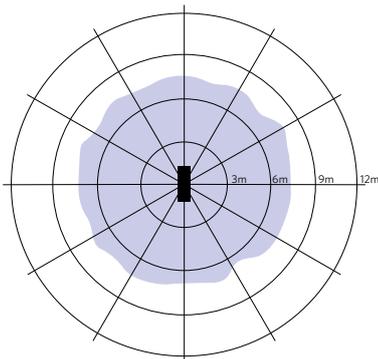


Installation opening drawing (mm)

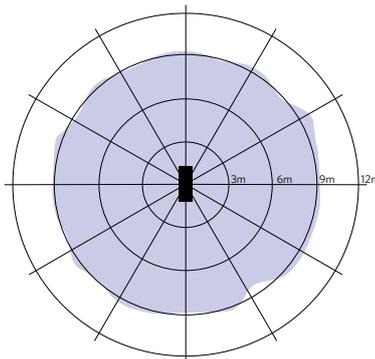


821006001800 - LEDSmart-BLE2-Rc-MW-Sensor

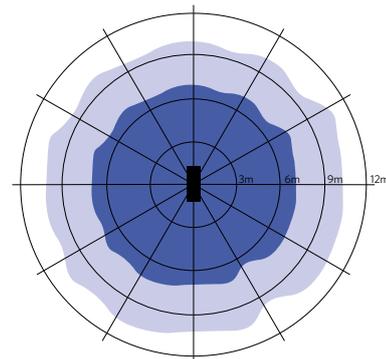
Recommended Height (m)	Sensitivity Setting	Detection Radius (m)
3	Low	7
8	Middle	9
9	High	10
12	High	7



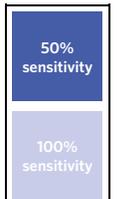
Installation - Low Ceiling
Suggested installation height 3m

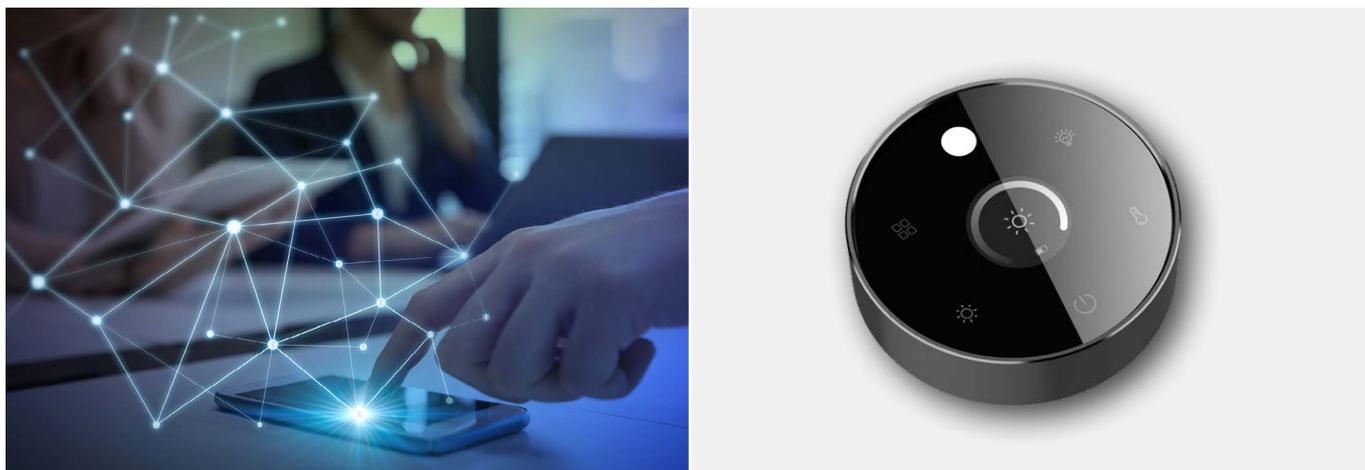


Installation - Medium Ceiling
Suggested installation height 8m



Installation - High Ceiling
Suggested installation height 9-12m





Light Wizard

- Stylish wireless lighting controller for use with the OPPLE Smart Lighting system
- Easy dimming and color change by rotation of the outer ring
- Lux measurement function included
- Very easy to set up with the OPPLE Smart Lighting App, or Smart Connect Box through the web user interface
- Chargeable via USB-C



Specifications

Item Code	Item Description
822008000200	LEDSmart-BLE2-Light-Wizard

Technical Specifications	
Ingress Protection (IP)	IP20
Impact strength (IK)	IK02
Finishing	Black RAL9004
Communication	Opplé Bluetooth® Low Energy SIG Mesh (BLE2)

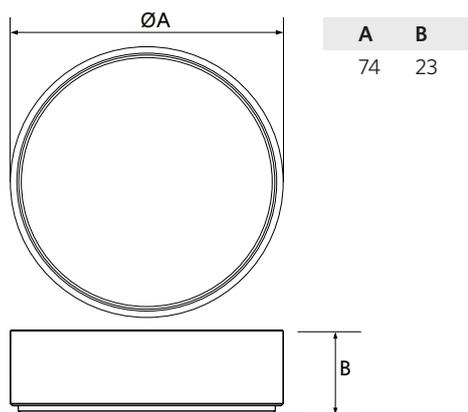
Electrical Supply	
Battery voltage	5 V
Battery capacity (mAh)	650 mAh
Charging possibility	USB-C
Nominal voltage	220 - 240 V AC
Frequentie	50 - 60 Hz

Mechanical Properties	
Material housing	Aluminium
Optical material	Polycarbonate (PC)

Ambient conditions	
Operating temperature	0 ~ 40°C
Application temperature	25°C
Storage environment	-25 ~ 50°C



Dimensional drawing (mm)





Smart Switch

- Simple on/off switching and dimming of the Smart Lighting luminaires
- Equipped with 4 extra buttons to activate created light scenes
- Compatible with OPPLE BLE2 Smart Sensors
- Very easy to set up with the OPPLE Smart Lighting App, or Smart Connect Box through the web user interface
- Complete wireless communication via future-proof, standardized Bluetooth® Low Energy (BLE) SIG Mesh protocol



Specifications

Item Code	Item Description
821009000200	LEDSmart-BLE2-Switch

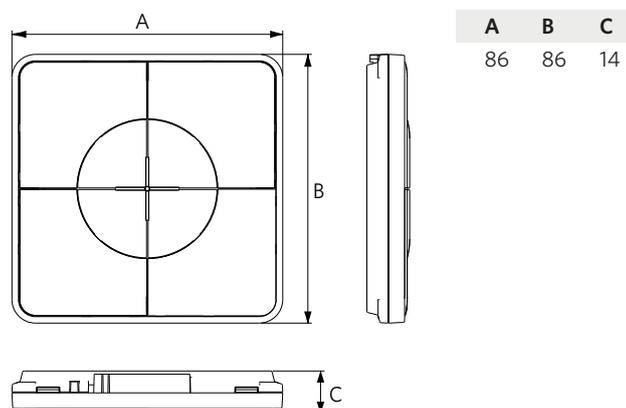
Technical Specifications	
IP-class	IP20
IK-class	IK02
Finishing	White RAL9003
Communication	Oppl Bluetooth® Low Energy SIG Mesh (BLE2)

Electrical Supply	
Nominal voltage	3 V
Type of battery (incl.)	CR2430
Min. lifespan battery	2 years

Mechanical Properties	
Material housing	PC

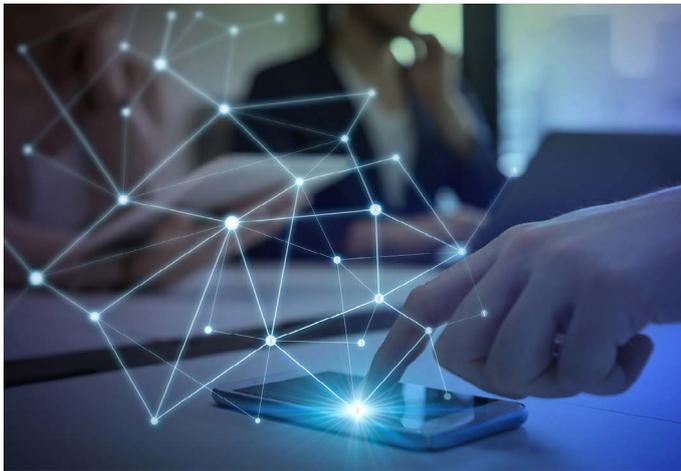


Dimensional drawing (mm)



821009000200 - LEDSmart-BLE2-Switch

Can be installed using the supplied screws or affixing strips, or directly to the wall socket.



Smart Multi Switch Module

- Compact input module for use in the OPPLE Smart Lighting System
- Enables the use of conventional push-button switches to control Smart Luminaires
- Turn Smart luminaires on/off, dim+/-, CCT+/- and activate scenes with a push of a button
- Very easy to set up with the OPPLE Smart Lighting App, or Smart Connect Box through the web user interface
- Complete wireless communication via future-proof, standardized Bluetooth® Low Energy (BLE) SIG Mesh protocol
- Small enough to install behind the wall switch



Specifications

Item Code	Item Description
821017003400	LEDSmart-BLE2-Multi-Switch-Module

Technical Specifications	
IP-class	IP20
IK-class	IK02
Finishing	White RAL9003
Communication	Oppl Bluetooth® Low Energy Mesh (BLE2)

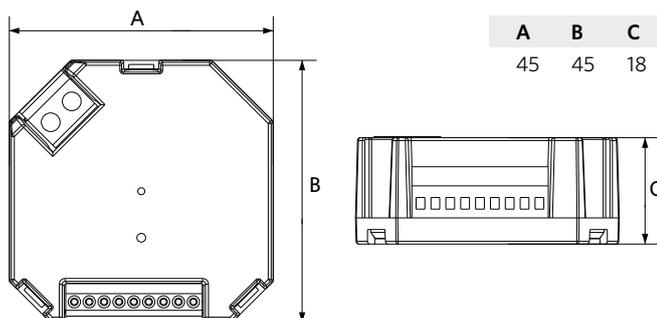
Electrical Supply	
Power Consumption	2W
Nominal voltage	220-240 V AC
Frequency	50 Hz
Inputs	8CH
Input type	Short + Long press
Connection cable mains	1.0-2.5mm ²
Input cable	0,5-1mm ²

Mechanical Properties	
Material housing	PC

Ambient conditions	
Application Temperature	+25°C
Operating Temperature	-20-+45°C



Dimensional drawing (mm)



821017003400 - LEDSmart-BLE2-Multi-Switch-Module



Smart Relay

- Smart Relay for use in the OPPLE Smart Lighting System
- Improved to 1000W maximum load
- Simple wireless control of each type/brand of luminaire
- Compatible with OPPLE BLE2 Smart Sensors and OPPLE BLE2 Smart Switches
- Very easy to set up with the OPPLE Smart Lighting App, or Smart Connect Box through the web user interface
- Including built-in energy meter, to read out in the app or web user interface
- Complete wireless communication via future-proof, standardized Bluetooth® Low Energy (BLE) SIG Mesh protocol
- Also suitable for control of Class I luminaires



Specifications

Item Code	Item Description
821017003800	LEDSmart-BLE2-Relay-1000W

Technical Specifications	
IP-class	IP20
Protection Class	II
Finishing	White RAL9003
Communication	Opplé Bluetooth® Low Energy SIG Mesh (BLE2)
Max. switching capacity	1000 W LED
Max. load	1000 W

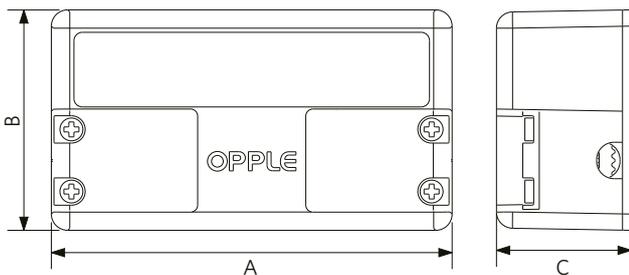
Electrical Supply	
Nominal voltage	220-240 V AC
Max. inrush or surge current I _p (20 ms)	120 A
Frequency	50/60 Hz
Connection cable	0.75-2.5mm ²

Mechanical Properties	
Material housing	PC

Ambient conditions	
Application Temperature	+25°C

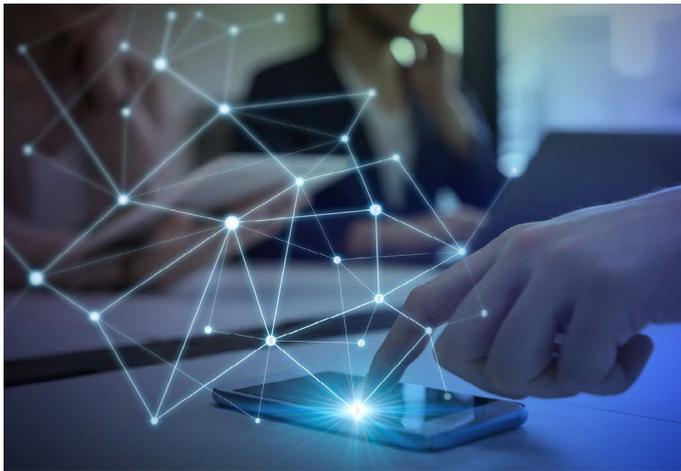


Dimensional drawing (mm)



A	B	C
96	53	32

821017003800 - LEDSmart-BLE2-Relay-1000W



Smart Relay DIM

- Smart Relay with DIM function for use in the OPPLE Smart Lighting System
- Simple wireless control, including TRIAC dimming to dim any type/brand of luminaire
- Compatible with OPPLE BLE2 Smart Sensors & OPPLE BLE2 Smart Switch
- Including built-in energy meter, to read out in the app or web user interface
- Complete wireless communication via future-proof, standardized Bluetooth® Low Energy (BLE) SIG Mesh protocol



Specifications

Item Code	Item Description
821017003600	LEDSmart-BLE2-Relay-250W-DIM

Technical Specifications	
IP-class	IP20
Protection	II
Finishing	White RAL9003
Communication	Opplé Bluetooth® Low Energy Mesh (BLE2)
Dimming method	Triac
Max. switching capacity	250 W LED
Max. load	250 W

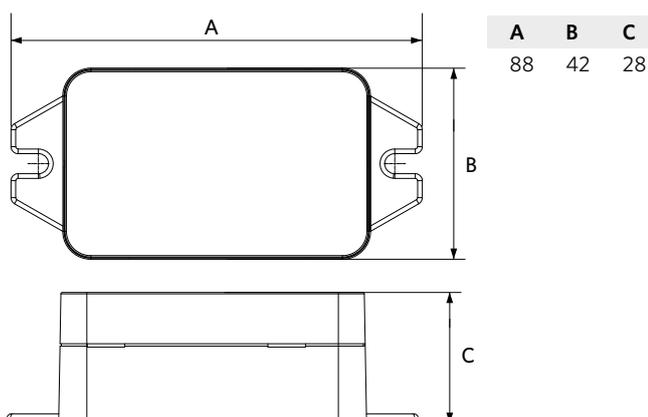
Mechanical Properties	
Material housing	PC

Electrical Supply	
Nominal voltage	220-240 V AC
Frequency	50 Hz
Connection cable	0.75mm ²
Cable Length	12 cm

Ambient conditions	
Application Temperature	+25°C
Operating Temperature	-20-+45°C



Dimensional drawing (mm)

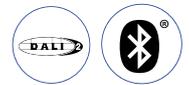


821017003600 - LEDSmart-BLE2-Relay-250W-DIM



Smart DALI Converter

- Compact BLE to DALI converter for use in OPPLE Smart Lighting System
- Integrate any brand of DALI luminaire into the OPPLE Smart Lighting System
- Control of up to 64 DALI luminaires with Smart Switch or Smart App (DALI Broadcast commands, including Tunable White control of DALI DT8 luminaires)
- Compatible with OPPLE BLE2 Smart Sensors & OPPLE BLE2 Smart Switch
- Very easy to set up with the OPPLE Smart Lighting App, or Smart Connect Box through the web user interface
- Including built-in energy meter, to read out in the app or web user interface
- Complete wireless communication via future-proof, standardized Bluetooth® Low Energy (BLE) SIG Mesh protocol



Specifications

Item Code	Item Description
821017003200	LEDSmart-BLE2-DALI-Converter

Technical Specifications	
IP-class	IP20
Protection	II
Finishing	White RAL9003
Communication	Oppl Bluetooth® Low Energy SIG Mesh (BLE2)
Dimming method	DALI Broadcast (DT8)
Integrated DALI power supply	Yes

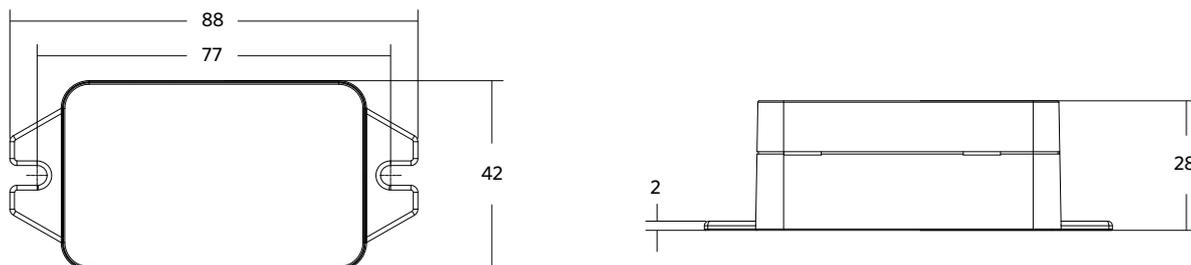
Electrical Supply	
Nominal voltage	220-240 V AC
Frequency	50 Hz
Connection cable	0.75mm ²
Cable Length	12 cm

Mechanical Properties	
Material housing	PC

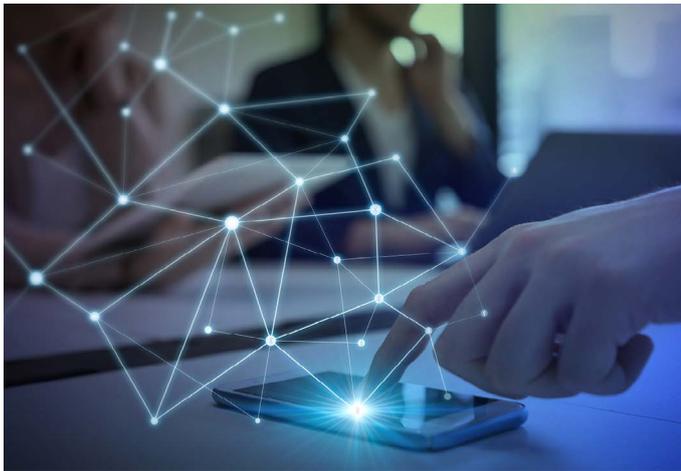
Ambient conditions	
Application Temperature	+25°C
Operating Temperature	-20-+45°C



Dimensional drawing (mm)



821017003200 - LEDSmart-BLE2-DALI-Converter



Smart 1-10V Converter

- Compact BLE to 1-10V converter for use in OPple Smart Lighting System
- Integrate any brand of 1-10V luminaire into the OPple Smart Lighting System
- Full control of one or more 1-10V luminaires with Smart Switch or Smart App
- Compatible with OPple BLE2 Smart Sensors & OPple BLE2 Smart Switch
- Very easy to set up with the OPple Smart Lighting App, or Smart Connect Box through the web user interface
- Including built-in energy meter, to read out in the app or web user interface
- Complete wireless communication via future-proof, standardized Bluetooth® Low Energy (BLE) SIG Mesh protocol



Specifications

Item Code	Item Description
821017003000	LEDSmart-BLE2-10V-Converter

Technical Specifications	
IP-class	IP20
Protection	II
Finishing	White RAL9003
Communication	Oppl Bluetooth® Low Energy SIG Mesh (BLE2)
Dimming method	1-10V

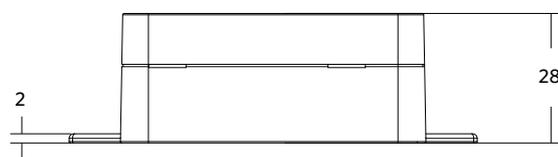
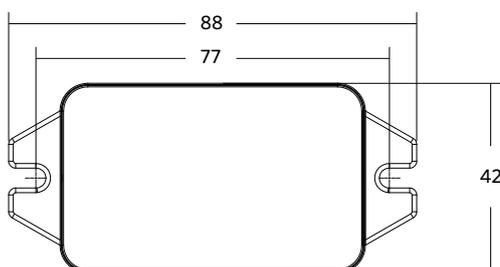
Electrical Supply	
Nominal voltage	220-240 V AC
Frequency	50 Hz
Connection cable	0.75mm ²
Cable Length	12 cm



Mechanical Properties	
Material housing	PC

Ambient conditions	
Application Temperature	+25°C
Operating Temperature	-20~+45°C

Dimensional drawing (mm)



821017003000 - LEDSmart-BLE2-10V-Converter





Smart 14

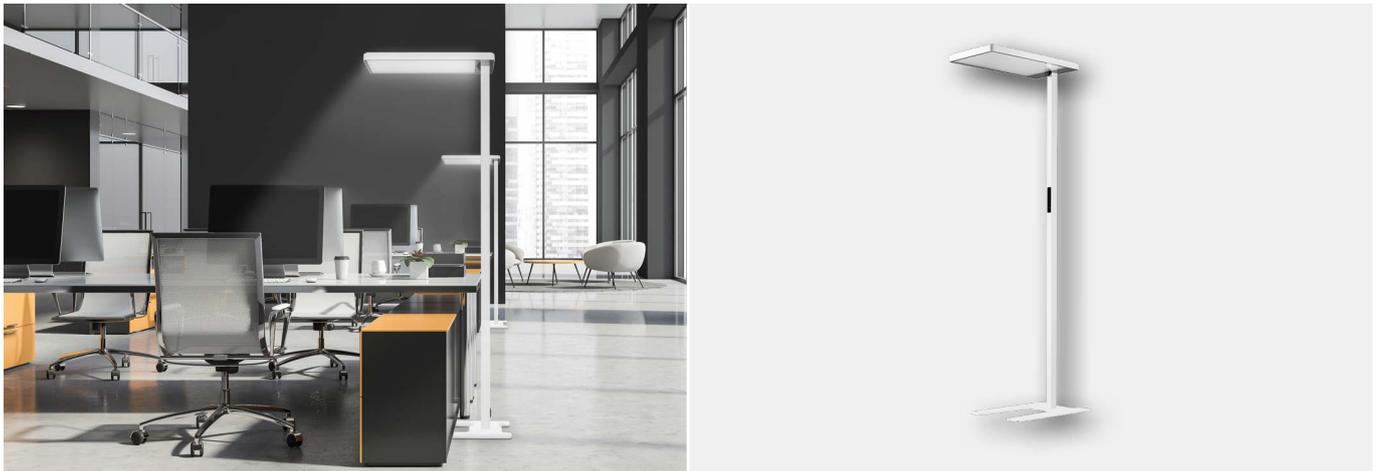
Indoor 36

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Lamps & Tools 218

Technical Data 242

Glossary 254



Free floor standing luminaire Falcon

- NEW: Tunable White Smart version available (2700-6500K)
- Modern free-floor standing luminaire with direct/indirect light distribution
- Extremely comfortable light (UGR < 16)
- Stylish touch button control on pole
- Integrated motion and daylight sensor
- High Efficacy of 125 lm/W
- App control via Smart App, possible to connect to Smart Sensors



Specifications

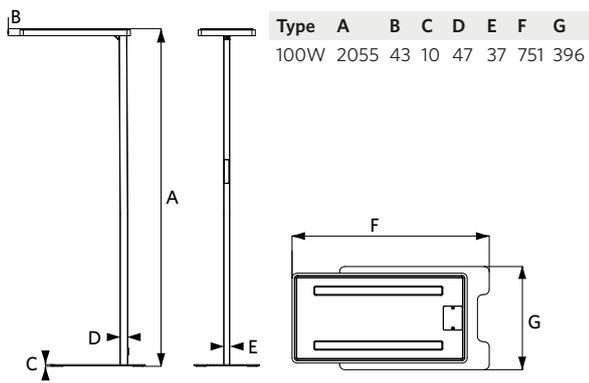
Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
Smart							
523003011100	LEDFalcon-P 100W-BLE2-840	3x PL-L 55W	100	12500	125	4000	19
Tunable White/Smart							
523024002100	LEDFalcon-P 100W-BLE2-TW	3x PL-L 55W	100	12500	125	2700 - 6500	19.8

Technical Specifications	
Lifetime (L70)	100,000 h
Lifetime (L80)	70,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4 / 3
Dimmability	BLE2 / Touch Dim
Sensor type	Motion + Daylight detection (MD)
Sensor technology	Microwave (MW)
Beam angle	130° up (70%) / 120° down (30%)
Finishing	White RAL9003
RAL-Number	□ 9003
Colour rendering index (CRI)	> 80
UGR	16
Protection class	I
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 1%
Power factor	> 0.9

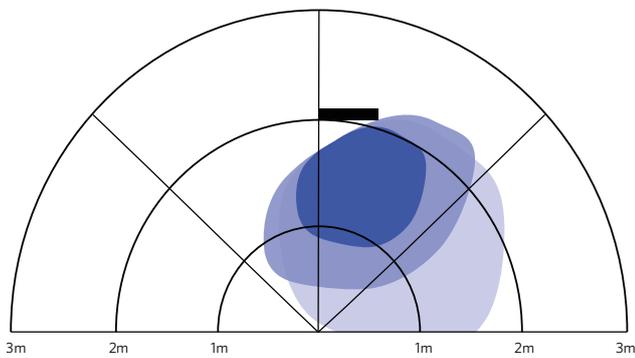
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	No
230V Cable length	3 m
Mechanical Properties	
Optical material	PMMA
Cover material	Polycarbonate
Ambient Conditions	
Operating temperature	-10 - 45°C
Application temperature	25°C
Storage environment	-25 - 50°C



Dimensional Drawing (mm)



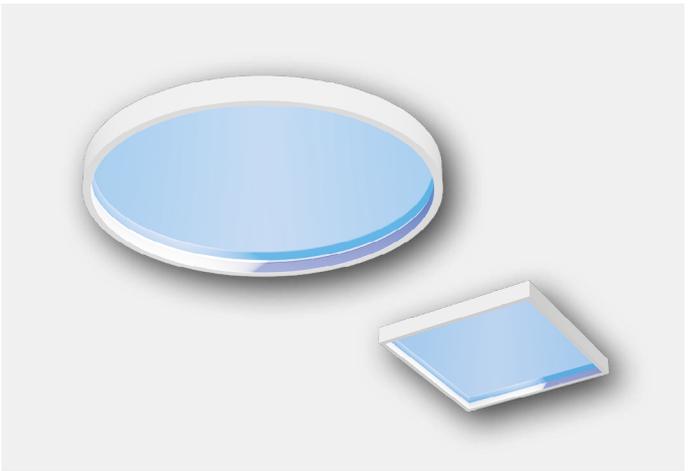
Motion Sensors



Free floor standing luminaire

Product Highlights





Skylight

- LED Skylight mimicking a natural skylight
- Powered with SDL Natural light technology
- Enabling beautiful ambient lighting
- High quality tunable white light solution
- Supports advanced Human-Centric Lighting (HCL) solutions
- UGR19 mode for glare-free illumination



Specifications

Item Code	Item Description	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Color of light	Net Weight (kg/pc)
Tunable Color/Smart							
520036014200	LEDSkylight SDL-S Rd550-100W-BLE2-WH	100	6000	60	1.8K-12K	Multi-coloured	4.3
520036014300	LEDSkylight SDL-S Rd900-240W-BLE2-WH	240	14400	60	1.8K-12K	Multi-coloured	17.3
542014015700	LEDSkylight SDL-S Sq595-130W-BLE2-WH	130	7800	60	1.8K-12K	Multi-coloured	6

Accessories



542098009600
LEDPanelRc Sq600-Frame-
WH

542098045500
LEDPanelS-P Suspensi-
on-Kit-G6&G7

Technical Specifications	
Lifetime (L70)	100,000 h
Lifetime (L80)	70,000 h
Lifetime (L90)	50,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	3
Dimmability	BLE2
Beam angle	120°
Finishing	White RAL9003
RAL-Number	□ 9003
Colour rendering index (CRI)	Up to > 97
UGR	19
Ingress Protection (IP)	IP40
Impact strength (IK)	IK03
Protection class	I
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 0.05%
Power factor	> 0.95

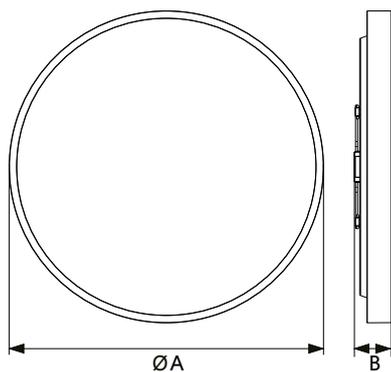
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	No

Mechanical Properties	
Housing material	Aluminium
Cover material	PMMA

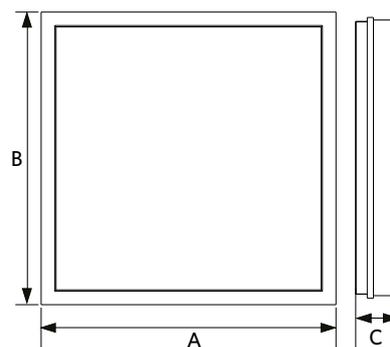
Ambient Conditions	
Operating temperature	-10 - 45°C
Application temperature	25°C
Storage environment	-25 - 50°C



Dimensional Drawing (mm)

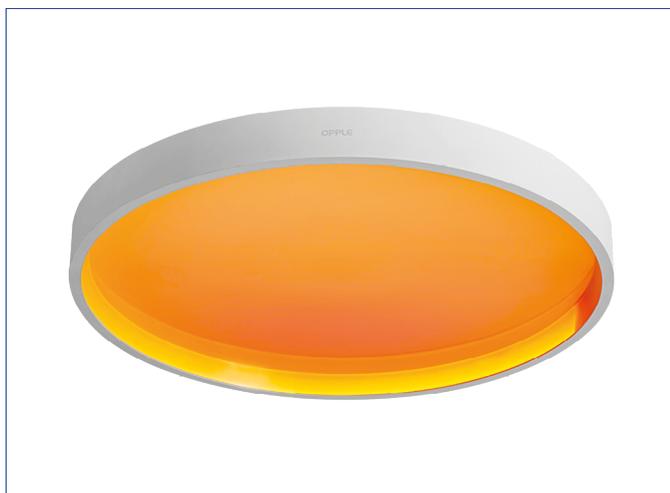


Type	A	B
Rd550	538	86
Rd900	900	106



Type	A	B	C
Sq595	595	595	87,6
Sq620	620	620	87,6

Product Highlights





Panel Vienna

- Design low glare LED panel
- Comfortable lighting for study and work environment (UGR < 16)
- Standard equipped with CCT-switch and CRI90
- Also available as Tunable White version
- System Efficacy up to 125 lm/W
- Compatible with Slim Panel surface mounting kit accessory
- Available in DALI2 and Smart (BLE2) versions
- DALI2 driver compatible with 230V push dimming



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
On-Off							
542003173500	LEDVienna-P Re295-32W-930/940-U16	TL 2x36W	32	4000	125	3K/4K	1.7
542003173600	LEDVienna-P Sq595-32W-930/940-U16	TL 4x18W	32	4000	125	3K/4K	1.7
DALI2							
542003173900	LEDVienna-P Re295-32W-DALI-930/940-U16	TL 2x36W	32	4000	125	3K/4K	1.7
542003174000	LEDVienna-P Sq595-32W-DALI-930/940-U16	TL 4x18W	32	4000	125	3K/4K	1.7
Tunable White/DALI2							
542003174400	LEDVienna-P Sq595-32W-DALI-TW-U16	TL 4x18W	32	4000	125	2.7K-6.5K	1.8
Smart							
542003173700	LEDVienna-P Re295-32W-BLE2-930/940-U16	TL 2x36W	32	4000	125	3K/4K	1.7
542003173800	LEDVienna-P Sq595-32W-BLE2-930/940-U16	TL 4x18W	32	4000	125	3K/4K	1.7
Tunable White/Smart							
542003174200	LEDVienna-P Sq595-32W-BLE2-TW-U16	TL 4x18W	32	4000	125	2.7K-6.5K	1.8

Available on request with Wieland GST18 or WAGO WINSTA connector, or Euro/Schuko plug. BLE versions in surface mounting frames might lead to limited BLE signal strength.

Accessories



Technical Specifications	
Lifetime (L70)	100,000 h
Lifetime (L80)	70,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	On-Off / DALI2 / BLE2 / DALI DT8
Beam angle	90°
Finishing	White RAL9003
RAL-Number	□ 9003
Colour rendering index (CRI)	> 90
UGR	16
Ingress Protection (IP)	IP20
Impact strength (IK)	IK03
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 1%
Power factor	> 0.9

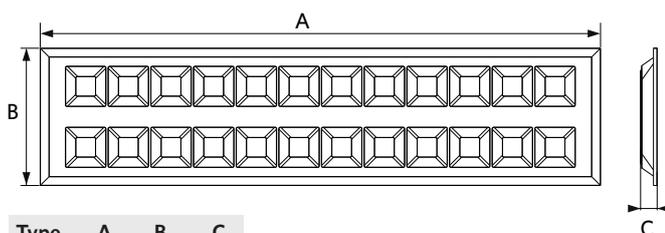
Electrical connection	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Aluminium
Optical material	Polycarbonate

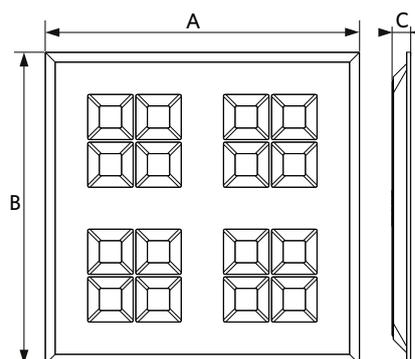
Ambient Conditions	
Operating temperature	-10 ~ 45°C
Application temperature	25°C
Storage environment	-25 ~ 50°C



Dimensional Drawing (mm)

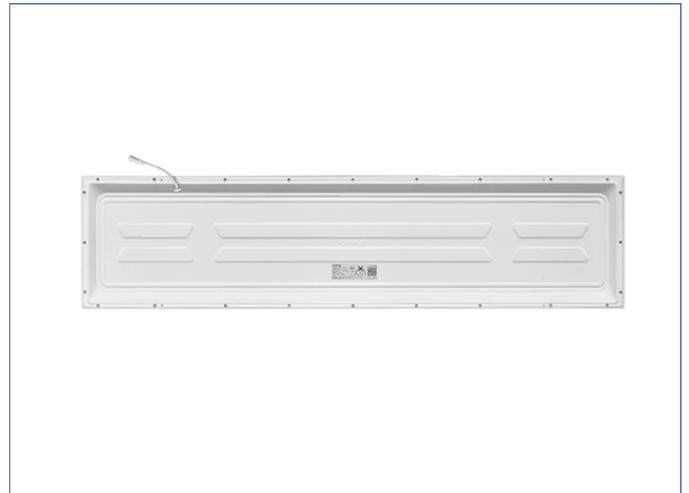


Type	A	B	C
Re295	1195	295	35



Type	A	B	C
Sq595	595	595	35

Product Highlights







Panel Performer Surface Mounted

- Easy replacement of 2x36W or 2x58W surface mounted office luminaires
- No need to repaint the ceiling due to wide dimensions
- Easy to install with mounting bracket
- Office compliant, UGR19
- DALI2 and Smart Lighting (BLE2) versions available
- DALI2 driver compatible with 230V push dimming
- Integrated CCT switch for color selection (3000K-4000K)



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	CRI	Net Weight (kg/pc)
On-Off								
542003155900	LEDPanelS-Sf-P L12-40W-830/840	TL 2x36W	40	5000	125	3K/4K	> 80	4.5
542003156200	LEDPanelS-Sf-P L15-50W-830/840	TL 2x58W	50	6250	125	3K/4K	> 80	5.5
DALI2								
542003156000	LEDPanelS-Sf-P L12-40W-DALI-830/840	TL 2x36W	40	5000	125	3K/4K	> 80	4.5
542003156300	LEDPanelS-Sf-P L15-50W-DALI-830/840	TL 2x58W	50	6250	125	3K/4K	> 80	5.5
Smart								
542003156100	LEDPanelS-Sf-P L12-40W-BLE2-830/840	TL 2x36W	40	5000	125	3K/4K	> 80	4.5
542003156400	LEDPanelS-Sf-P L15-50W-BLE2-830/840	TL 2x58W	50	6250	125	3K/4K	> 80	5.5

Available on request with Wieland GST18 or WAGO WINSTA connector, or Euro/Schuko plug. DALI2 versions are compatible with central emergency lighting according to EN 50172.

Accessories



542098045500
LEDPanelS-P Suspension-Kit-G6&G7

Technical Specifications	
Lifetime (L70)	70,000 h
Lifetime (L80)	50,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	3
Dimmability	On-Off / DALI2 / BLE2
Beam angle	90°
Finishing	White RAL9003
RAL-Number	□ 9003
UGR	19
Ingress Protection (IP)	IP20
Impact strength (IK)	IK03
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 1%
Power factor	> 0.9

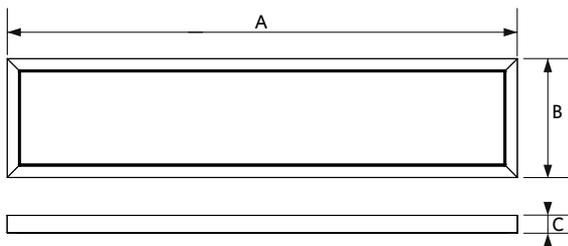
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Aluminium
Optical material	Polycarbonate

Ambient Conditions	
Operating temperature	-10 ~ 45°C
Application temperature	25°C
Storage environment	-25 ~ 50°C



Dimensional Drawing (mm)



Type	A	B	C
L12	1274	370	55
L15	1574	370	55



Panel Monza

- Architectural LED panel with direct/indirect light
- Unique low glare optics
- High Efficacy up to 120 lm/W
- Suitable for office applications, UGR<19
- Perfect replacement of traditional CFL 55W panels
- DALI2 driver compatible with 230V push dimming



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
On-Off							
542003016900	LEDPanelRc-Mo Sq595-35W-4000-WH-U19	CFL 1x55W	35	4200	120	4000	4.18
DALI2							
542003015300	LEDPanelRc-Mo Sq595-35W-DALI-4000-WH-U19	CFL 1x55W	35	4200	120	4000	4.22
Smart							
542004092400	LEDPanelRc-Mo Sq595-35W-BLE2-4000-WH-U19	CFL 1x55W	35	4200	120	4000	4.23
1-10V							
542003016100	LEDPanelRc-Mo Sq595-35W-10V-4000-WH-U19	CFL 1x55W	35	4200	120	4000	4.22

Available on request with Wieland GST18 or WAGO WINSTA connector, or Euro/Schuko plug. DALI2 versions are compatible with central emergency lighting according to EN 50172.

Accessories

			
140060852 LED Fixture-Ceiling-Cable-Kit-0.5m	542098000800 LED Panel RC-SI U19 EM-kit 1h	542098009600 LED Panel RC Sq600-Frame-WH	542098030700 Junction-Box-WH

Technical Specifications	
Lifetime (L70)	70,000 h
Lifetime (L80)	60,000 h
Lifetime (L90)	50,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	3
Dimmability	On-Off / DALI2 / BLE2 / 1-10V
Beam angle	90°
Finishing	White RAL9016
RAL-Number	□ 9003
Colour rendering index (CRI)	> 80
UGR	19
Ingress Protection (IP)	IP20
Impact strength (IK)	IK02
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 1.0%
Power factor	> 0.9

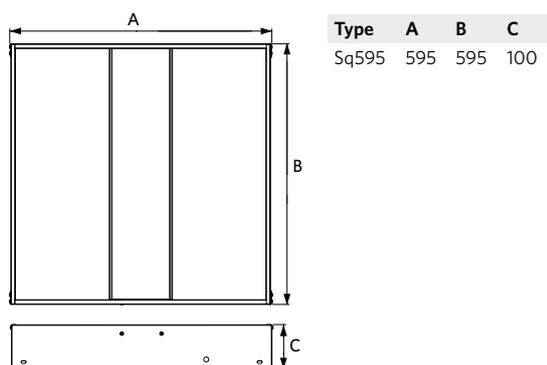
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications
230V Cable length	1 m

Mechanical Properties	
Housing material	Steel
Optical material	PMMA
Cover material	Polycarbonate

Ambient Conditions	
Operating temperature	-10 - 40°C
Application temperature	25°C
Storage environment	-25 - 50°C



Dimensional Drawing (mm)



Product Highlights





Panel Lugano

- Powerful and low glare design LED panel
- Homogenous light distribution, with low glare optics (UGR < 16)
- Standard equipped with CCT-switch and CRI90
- Also available as Tunable White version
- System Efficacy of 125 lm/W
- Compatible with Slim Panel surface mounting kit accessory
- DALI2 driver compatible with 230V push dimming



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	CRI	Net Weight (kg/pc)
On-Off								
542003172600	LEDLugano-P Sq595-32W-930/940-U16	TL 4x18W	32	4000	125	3K/4K	> 90	3.7
542003172500	LEDLugano-P Re295-32W-930/940-U16	TL 2x36W	32	4000	125	3K/4K	> 90	3.8
DALI2								
542003173000	LEDLugano-P Sq595-32W-DALI-930/940-U16	TL 4x18W	32	4000	125	3K/4K	> 90	3.7
542003172900	LEDLugano-P Re295-32W-DALI-930/940-U16	TL 2x36W	32	4000	125	3K/4K	> 90	3.8
Tunable White/DALI2								
542003173400	LEDLugano-P Sq595-32W-DALI-TW-U16	TL 4x18W	32	4000	125	2.7K-6.5K	> 90	3.7
Smart								
542003172800	LEDLugano-P Sq595-32W-BLE2-930/940-U16	TL 4x18W	32	4000	125	3K/4K	> 90	3.7
542003172700	LEDLugano-P Re295-32W-BLE2-930/940-U16	TL 2x36W	32	4000	125	3K/4K	> 90	3.8
Tunable White/Smart								
542003173200	LEDLugano-P Sq595-32W-BLE2-TW-U16	TL 4x18W	32	4000	125	2.7K-6.5K	> 90	3.7

Available on request with Wieland GST18 or WAGO WINSTA connector, or Euro/Schuko plug. DALI2 versions are compatible with central emergency lighting according to EN 50172. BLE versions in surface mounting frames might lead to limited BLE signal strength.

Accessories



140055484
LEDPanelRc-SI Sq600-Surface-Module-WH-CT



140055486
LEDPanelRc-SI Re300-Surface-Module-WH-CT



542003021800
LEDPanelRc-S-B2 Mounting-Springs



542098000800
LEDPanelRC-SI U19 EM-kit 1h



542098009600
LEDPanelRc Sq600-Frame-WH



542098017600
LEDPanelRc2 Sq600-Surface-Kit-WH



542098017700
LEDPanelRc2 Re300-Surface-Kit-WH



542098033000
LEDPanelRc-S-B2 Re298 Mounting-Springs



542098045500
LEDPanelS-P Suspension-Kit-G6&G7

Technical Specifications

Lifetime (L70)	100,000 h
Lifetime (L80)	70,000 h
Lifetime (L90)	50,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	3
Dimmability	On-Off / DALI2 / DALI DT8 / BLE2
Beam angle	75°
Finishing	White RAL9003
RAL-Number	□ 9003
UGR	16
Ingress protection recessed part (IP)	IP20
Impact strength (IK)	IK02
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 1%
Power factor	> 0.9

Electrical connection

Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties

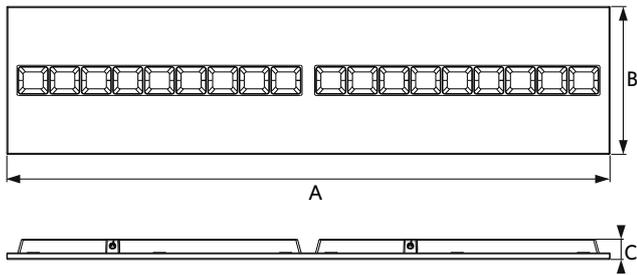
Housing material	Steel
Optical material	Polycarbonate

Ambient Conditions

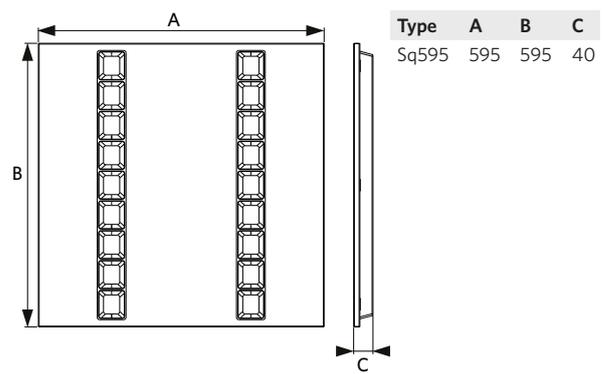
Operating temperature	-10 - 45°C
Application temperature	25°C
Storage environment	-25 - 50°C



Dimensional Drawing (mm)



Type	A	B	C
Re295	1195	295	40

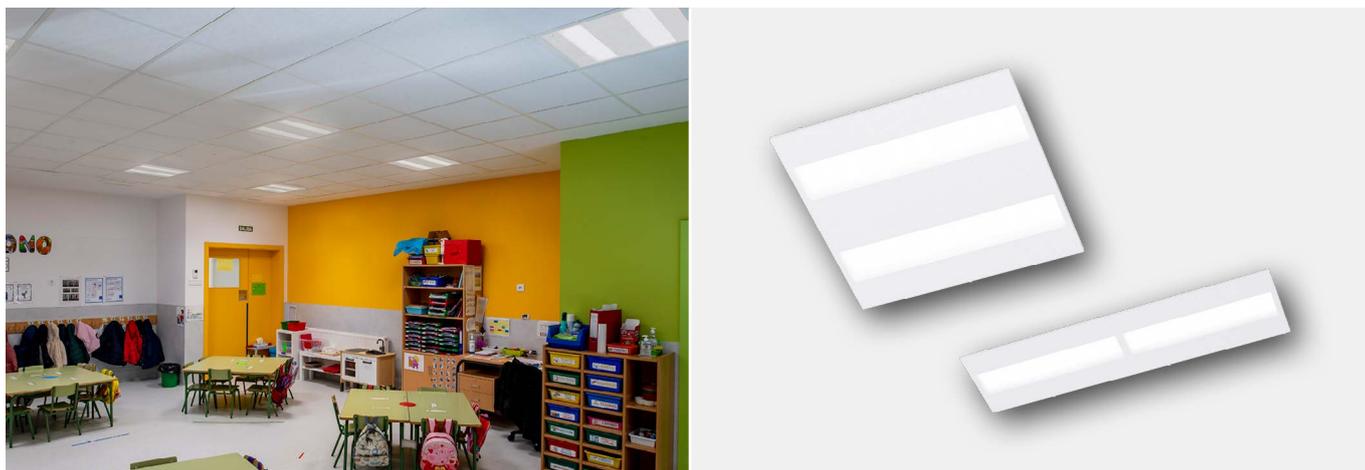


Type	A	B	C
Sq595	595	595	40

Product Highlights







Panel Torino

- Design LED panel
- Suitable for office applications (UGR<19)
- Standard equipped with CCT-switch and CRI90
- Compatible with Slim Panel surface mounting kit accessory
- DALI2 driver compatible with 230V push dimming



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	CRI	Net Weight (kg/pc)
On-Off								
542003171600	LEDTorino-P Sq595-32W-930/940-U19	TL 4x18W	32	4000	125	3K/4K	> 90	3.8
542003171500	LEDTorino-P Re295-32W-930/940-U19	TL 2x36W	32	4000	125	3K/4K	> 90	3.9
DALI2								
542003172000	LEDTorino-P Sq595-32W-DALI-930/940-U19	TL 4x18W	32	4000	125	3K/4K	> 90	3.8
542003171900	LEDTorino-P Re295-32W-DALI-930/940-U19	TL 2x36W	32	4000	125	3K/4K	> 90	3.9
Smart								
542003171800	LEDTorino-P Sq595-32W-BLE2-930/940-U19	TL 4x18W	32	4000	125	3K/4K	> 90	3.8
542003171700	LEDTorino-P Re295-32W-BLE2-930/940-U19	TL 2x36W	32	4000	125	3K/4K	> 90	3.9

Available on request with Wieland GST18 or WAGO WINSTA connector, or Euro/Schuko plug. DALI2 versions are compatible with central emergency lighting according to EN 50172. BLE versions in surface mounting frames might lead to limited BLE signal strength.

Accessories



140055484
LEDPanelRc-SI Sq600-Surface-Module-WH-CT



140055486
LEDPanelRc-SI Re300-Surface-Module-WH-CT



542003021800
LEDPanelRc-S-B2 Mounting-Springs



542098000800
LEDPanelRC-SI U19 EM-kit 1h



542098009600
LEDPanelRc Sq600-Frame-WH



542098017600
LEDPanelRc2 Sq600-Surface-Kit-WH



542098017700
LEDPanelRc2 Re300-Surface-Kit-WH



542098033000
LEDPanelRc-S-B2 Re298 Mounting-Springs



542098045500
LEDPanelS-P Suspension-Kit-G6&G7

Technical Specifications

Lifetime (L70)	100,000 h
Lifetime (L80)	70,000 h
Lifetime (L90)	50,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	3
Dimmability	On-Off / DALI2 / BLE2
Beam angle	90°
Finishing	White RAL9003
RAL-Number	□ 9003
UGR	19
Ingress protection recessed part (IP)	IP20
Impact strength (IK)	IK02
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 1%
Power factor	> 0.9

Electrical connection

Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties

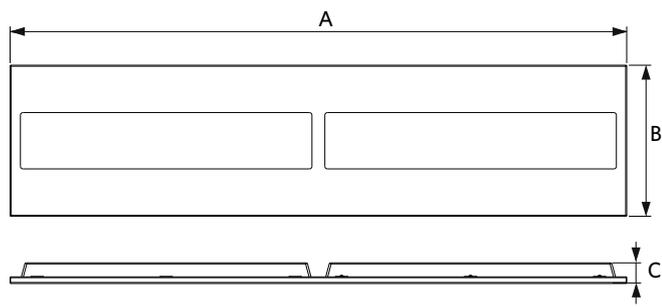
Housing material	Steel
Optical material	Polycarbonate

Ambient Conditions

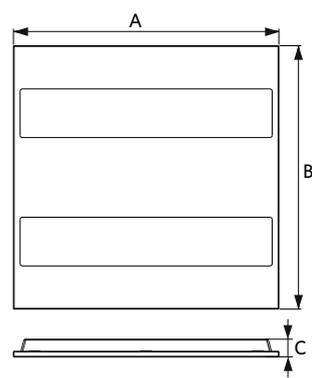
Operating temperature	-10 - 45°C
Application temperature	25°C
Storage environment	-25 - 50°C



Dimensional Drawing (mm)



Type	A	B	C
Re295	1195	295	40

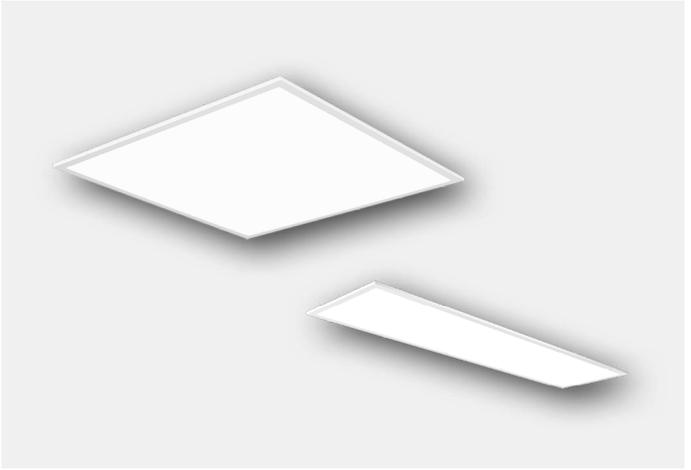


Type	A	B	C
Sq595	595	595	40

Product Highlights







Slim Panel Performer UGR19 G7

- Versions with integrated CCT-switch for color selection (3000K/4000K) available
- Tunable White DALI DT8 version available
- High quality LED Slim Panel, suitable for offices (UGR < 19)
- Tunable white Smart version available (2700-6500K)
- Improved Efficacy up to 170lm/W, with output up to 4930lm
- Standard IP54 (front side)
- Recessed, suspended and surface mounting possible
- DALI2 driver compatible with 230V push dimming
- Driver with integrated Power Switch



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	CRI	Net Weight (kg/pc)
On-Off								
542016020200	LEDPanelS-P7 Sq595-22/29W-830-U19	TL 4x18W	22 - 29	3740 - 4930	170	3000	> 80	2
542016020000	LEDPanelS-P7 Sq595-22/29W-840-U19	TL 4x18W	22 - 29	3740 - 4930	170	4000	> 80	2
542016016800	LEDPanelS-P7 Re295-22/29W-830-U19	TL 2x36W	22 - 29	3740 - 4930	170	3000	> 80	2.1
542016018100	LEDPanelS-P7 Re295-22/29W-840-U19	TL 2x36W	22 - 29	3740 - 4930	170	4000	> 80	2.1
542098055700	LEDPanelS-P7 Sq595-22/29W-940-U19	TL 4x18W	22 - 29	3520 - 4640	160	4000	> 90	2
542016020300	LEDPanelS-P7 Re295-22/29W-940-U19	TL 2x36W	22 - 29	3520 - 4640	160	4000	> 90	2.1
On-Off/CCT-Switch								
542016019200	LEDPanelS-P7 Sq595-22/29W-830/840-U19	TL 4x18W	22 - 29	3740 - 4930	170	3K/4K	> 80	2
DALI2								
542016017200	LEDPanelS-P7 Sq595-29W-DALI-830-U19	TL 4x18W	29	4930	170	3000	> 80	2
542098055600	LEDPanelS-P7 Sq595-29W-DALI-840-U19	TL 4x18W	29	4930	170	4000	> 80	2
542016017300	LEDPanelS-P7 Re295-29W-DALI-830-U19	TL 2x36W	29	4930	170	3000	> 80	2.1
542098055500	LEDPanelS-P7 Re295-29W-DALI-840-U19	TL 2x36W	29	4930	170	4000	> 80	2.1
542016020600	LEDPanelS-P7 Sq595-29W-DALI-940-U19	TL 4x18W	29	4640	160	4000	> 90	2
542016018800	LEDPanelS-P7 Re295-29W-DALI-940-U19	TL 2x36W	29	4640	160	4000	> 90	2.1
DALI2/CCT-Switch								
542016019100	LEDPanelS-P7 Sq595-29W-DALI-830/840-U19	TL 4x18W	29	4930	170	3K/4K	> 80	2
Tunable White/DALI2								
542016021100	LEDPanelS-P7 Sq595-29W-DALI-TW-U19	TL 4x18W	29	4930	160	2.7K-6.5K	> 80	2
542016017600	LEDPanelS-P7 Re295-29W-DALI-TW-U19	TL 2x36W	29	4930	160	2.7K-6.5K	> 80	2.1
Smart								
542016018700	LEDPanelS-P7 Sq595-29W-BLE2-830-U19	TL 4x18W	29	4930	170	3000	> 80	2
542016018500	LEDPanelS-P7 Sq595-29W-BLE2-840-U19	TL 4x18W	29	4930	170	4000	> 80	2
542098055800	LEDPanelS-P7 Re295-29W-BLE2-830-U19	TL 2x36W	29	4930	170	3000	> 80	2.1

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	CRI	Net Weight (kg/pc)
542016020100	LEDPanelS-P7 Re295-29W-BLE2-840-U19	TL 2x36W	29	4930	170	4000	> 80	2.1
542016016300	LEDPanelS-P7 Sq595-29W-BLE2-940-U19	TL 4x18W	29	4640	160	4000	> 90	2
542016019500	LEDPanelS-P7 Re295-29W-BLE2-940-U19	TL 2x36W	29	4640	160	4000	> 90	2.1
Smart/CCT-Switch								
542016019300	LEDPanelS-P7 Sq595-29W-BLE2-830/840-U19	TL 4x18W	29	4930	170	3K/4K	> 80	2
Tunable White/Smart								
542016020700	LEDPanelS-P7 Sq595-29W-BLE2-TW-U19	TL 4x18W	29	4930	160	2.7K-6.5K	> 80	2
542016017500	LEDPanelS-P7 Re295-29W-BLE2-TW-U19	TL 2x36W	29	4930	160	2.7K-6.5K	> 80	2.1
1-10V/CCT-Switch								
542016016700	LEDPanelS-P7 Sq595-29W-10V-830/840-U19	TL 4x18W	29	4930	170	3K/4K	> 80	2

Available on request with Wieland GST18 or WAGO WINSTA connector, or Euro/Schuko plug. DALI2 versions are compatible with central emergency lighting according to EN 50172. BLE versions in surface mounting frames might lead to limited BLE signal strength.

Accessories



140055484
LEDPanelRc-SI Sq600-Surface-Module-WH-CT



140060852
LEDFixture-Ceiling-Cable-Kit-0.5m



542098009600
LEDPanelRc Sq600-Frame-WH



542098009800
LEDPanelRc Re300-Frame-WH



542098017600
LEDPanelRc2 Sq600-Surface-Kit-WH



140055486
LEDPanelRc-SI Re300-Surface-Module-WH-CT



542003021800
LEDPanelRc-S-B2 Mounting-Springs



542098000800
LEDPanelRC-SI U19 EM-kit 1h



542098017700
LEDPanelRc2 Re300-Surface-Kit-WH



542098033000
LEDPanelRc-S-B2 Re298 Mounting-Springs



542098045500
LEDPanelS-P Suspension-Kit-G6&G7

Technical Specifications

Lifetime (L70)	100,000 h
Lifetime (L80)	70,000 h
Lifetime (L90)	50,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	3
Dimmability	On-Off / DALI2 / BLE2 / 1-10V
Beam angle	90°
Finishing	White RAL9003
RAL-Number	□ 9003
UGR	19
Ingress protection front side (IP)	IP54
Ingress protection recessed part (IP)	IP40
Impact strength (IK)	IK03
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 1%
Power factor	> 0.9

Electrical Supply

Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties

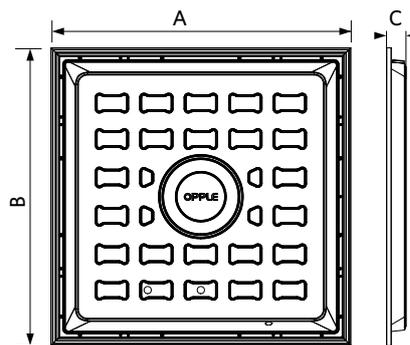
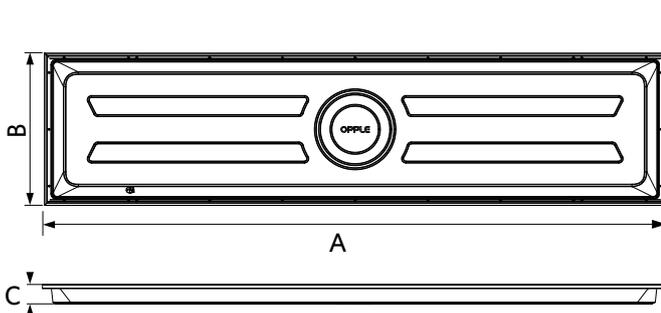
Housing material	Aluminium
Cover material	Polystyrene

Ambient Conditions

Operating temperature	-10 - 45°C
Application temperature	25°C
Storage environment	-20 - 50°C



Dimensional Drawing (mm)



Type	A	B	C
Sq595	595	595	32
Sq622	620	620	34

Type	A	B	C
Re295	1195	295	32

Product Highlights







Slim Panel EcoMax G4

- LED Slim Panel family, including versions suitable for offices (UGR19)
- DALI2 dimmable versions available
- Improved Efficacy up to 130lm/W
- Suitable for recessed and suspended applications
- Recessed ceiling frame and surface module kit available as accessory
- Replacement for conventional 4x18W or 2x36W luminaire
- DALI2 driver compatible with 230V push dimming

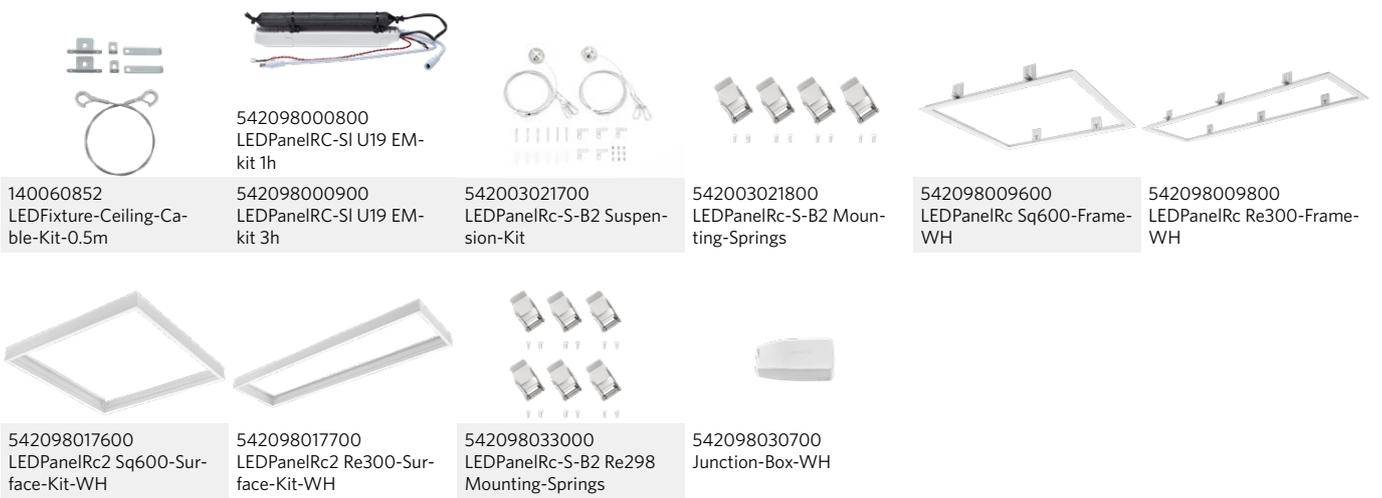


Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	UGR	CCT (K)	Beam angle	Net Weight (kg/pc)
On-Off									
542003098500	LEDPanelS-E4 Sq595-32W-830-U19	TL 4x18W	32	4000	125	19	3000	90°	1.91
542003098600	LEDPanelS-E4 Sq595-32W-840-U19	TL 4x18W	32	4100	130	19	4000	90°	1.91
542003098900	LEDPanelS-E4 Re295-32W-830-U19	TL 2x36W	32	4000	125	19	3000	90°	1.82
542003099000	LEDPanelS-E4 Re295-32W-840-U19	TL 2x36W	32	4100	130	19	4000	90°	1.82
542003099700	LEDPanelS-E4 Sq595-32W-830	TL 4x18W	32	4000	125	22	3000	115°	1.51
542003099800	LEDPanelS-E4 Sq595-32W-840	TL 4x18W	32	4100	130	22	4000	115°	1.51
542003100100	LEDPanelS-E4 Re295-32W-830	TL 2x36W	32	4000	125	22	3000	115°	1.43
542003100200	LEDPanelS-E4 Re295-32W-840	TL 2x36W	32	4100	130	22	4000	115°	1.43
DALI2									
542003099100	LEDPanelS-E4 Sq595-32W-DALI-830-U19	TL 4x18W	32	4000	125	19	3000	90°	1.98
542003099200	LEDPanelS-E4 Sq595-32W-DALI-840-U19	TL 4x18W	32	4100	130	19	4000	90°	1.98
542003099500	LEDPanelS-E4 Re295-32W-DALI-830-U19	TL 2x36W	32	4000	125	19	3000	90°	1.89
542003099600	LEDPanelS-E4 Re295-32W-DALI-840-U19	TL 2x36W	32	4100	130	19	4000	90°	1.89
542003100300	LEDPanelS-E4 Sq595-32W-DALI-830	TL 4x18W	32	4000	125	22	3000	115°	1.59
542003100400	LEDPanelS-E4 Sq595-32W-DALI-840	TL 4x18W	32	4100	130	22	4000	115°	1.59
542003100700	LEDPanelS-E4 Re295-32W-DALI-830	TL 2x36W	32	4000	125	22	3000	115°	1.5
542003100800	LEDPanelS-E4 Re295-32W-DALI-840	TL 2x36W	32	4100	130	22	4000	115°	1.5

Available on request with Wieland GST18 or WAGO WINSTA connector, or Euro/Schuko plug. DALI2 versions are compatible with central emergency lighting according to EN 50172.

Accessories



Technical Specifications	
Lifetime (L70)	60,000 h
Lifetime (L80)	50,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	3
Dimmability	On-Off / DALI2
Finishing	White RAL9003
RAL-Number	□ 9003
Colour rendering index (CRI)	> 80
Ingress Protection (IP)	IP20
Impact strength (IK)	IK03
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 1.0%
Power factor	> 0.9

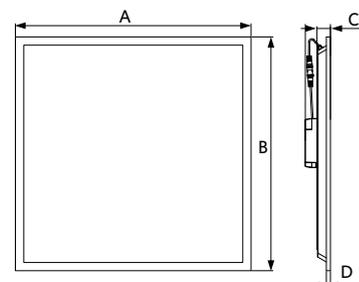
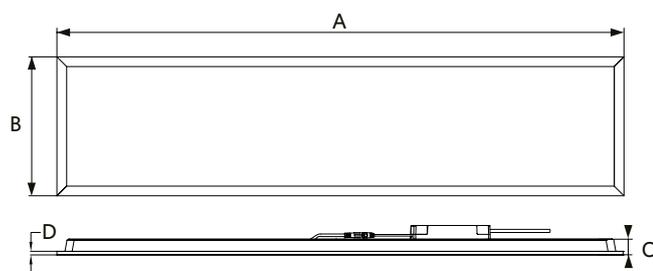
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications
230V Cable length	1 m

Mechanical Properties	
Housing material	Aluminium
Optical material	PMMA
Cover material	Polycarbonate

Ambient Conditions	
Operating temperature	-10 - 45°C
Application temperature	25°C
Storage environment	-25 - 50°C



Dimensional Drawing (mm)



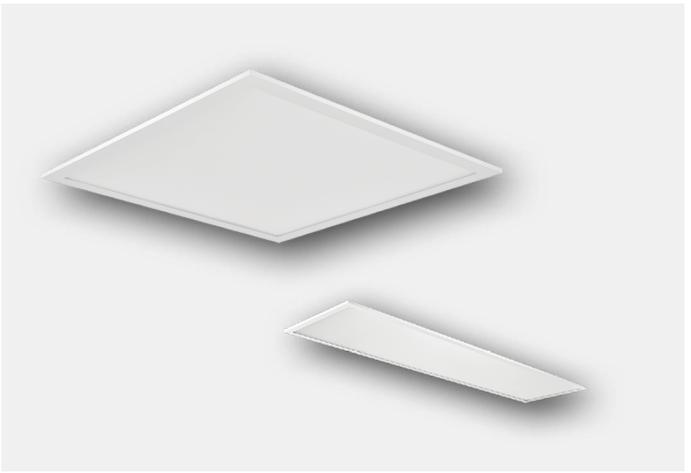
Type	A	B	C	D
Re295	1195	295	38	8

Type	A	B	C	D
Sq595	595	595	38	8
Sq620	620	620	38	8

Product Highlights







Slim Panel Basic G4

- Versions with PIR sensor integrated
- Cost effective LED Slim Panel family, including versions suitable for offices (UGR < 19)
- DALI2 dimmable versions available
- Improved Efficacy up to 130lm/W
- Versions with integrated CCT switch for color selection (3000K/4000K) available
- 4 power levels possible (23/ 27/ 31/ 34 W)
- Replacement for conventional 4x18W or 2x36W luminaire
- Recessed ceiling frame and surface module kit available as accessory
- Suitable for recessed and suspended applications



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	UGR	CCT (K)	Net Weight (kg/pc)
On-Off								
542016014900	LEDPanelS-B4 Sq595-23/34W-830	TL 4x18W	23 - 34	2990 - 4420	130	22	3000	2
542016014700	LEDPanelS-B4 Sq595-23/34W-840	TL 4x18W	23 - 34	2990 - 4420	130	22	4000	2
542016014200	LEDPanelS-B4 Sq595-23/34W-830-U19	TL 4x18W	23 - 34	2990 - 4420	130	19	3000	2
542016015700	LEDPanelS-B4 Sq595-23/34W-840-U19	TL 4x18W	23 - 34	2990 - 4420	130	19	4000	2
542016015000	LEDPanelS-B4 Re295-23/34W-830	TL 2x36W	23 - 34	2990 - 4420	130	22	3000	2.1
542016014500	LEDPanelS-B4 Re295-23/34W-840	TL 2x36W	23 - 34	2990 - 4420	130	22	4000	2.1
542016014800	LEDPanelS-B4 Re295-23/34W-830-U19	TL 2x36W	23 - 34	2990 - 4420	130	19	3000	2.1
542016014600	LEDPanelS-B4 Re295-23/34W-840-U19	TL 2x36W	23 - 34	2990 - 4420	130	19	4000	2.1
On-Off/CCT-Switch								
542016013800	LEDPanelS-B4 Sq595-23/34W-830/840	TL 4x18W	23 - 34	2990 - 4420	130	22	3K/4K	2
542016013400	LEDPanelS-B4 Sq595-23/34W-830/840-U19	TL 4x18W	23 - 34	2990 - 4420	130	19	3K/4K	2
On-Off/PIR sensor								
542016020500	LEDPanelS-B4 Sq595-23/34W-830-U19-PIR	TL 4x18W	23 - 34	2990 - 4420	130	19	3000	2
542016016900	LEDPanelS-B4 Sq595-23/34W-840-U19-PIR	TL 4x18W	23 - 34	2990 - 4420	130	19	4000	2
DALI2								
542016014400	LEDPanelS-B4 Sq595-34W-DALI-830	TL 4x18W	34	4420	130	22	3000	2
542016015500	LEDPanelS-B4 Sq595-34W-DALI-840	TL 4x18W	34	4420	130	22	4000	2
542016014100	LEDPanelS-B4 Sq595-34W-DALI-830-U19	TL 4x18W	34	4420	130	19	3000	2
542016015300	LEDPanelS-B4 Sq595-34W-DALI-840-U19	TL 4x18W	34	4420	130	19	4000	2
542016013500	LEDPanelS-B4 Re295-34W-DALI-830	TL 2x36W	34	4420	130	22	3000	2.1
542016013200	LEDPanelS-B4 Re295-34W-DALI-840	TL 2x36W	34	4420	130	22	4000	2.1
542016013000	LEDPanelS-B4 Re295-34W-DALI-830-U19	TL 2x36W	34	4420	130	19	3000	2.1
542016013300	LEDPanelS-B4 Re295-34W-DALI-840-U19	TL 2x36W	34	4420	130	19	4000	2.1

Available on request with Wieland GST18 or WAGO WINSTA connector, or Euro/Schuko plug. DALI2 versions are compatible with central emergency lighting according to EN 50172.

A PIR sensor panel can control up to 4 additional panels

Accessories



542098000800
LEDPanelRC-SI U19 EM-kit 1h



542098009800
LEDPanelRc Re300-Frame-WH



140060852
LEDFixture-Ceiling-Cable-Kit-0.5m



542003021800
LEDPanelRc-S-B2 Mounting-Springs



542098009600
LEDPanelRc Sq600-Frame-WH



542098017600
LEDPanelRc2 Sq600-Surface-Kit-WH



542098017700
LEDPanelRc2 Re300-Surface-Kit-WH



542098033000
LEDPanelRc-S-B2 Re298 Mounting-Springs



542098045500
LEDPanelS-P Suspension-Kit-G6&G7

Technical Specifications	
Lifetime (L70)	70,000 h
Lifetime (L80)	50,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	3
Dimmability	On-Off / Sensor controlled (MD) / DALI2
Finishing	White RAL9003
RAL-Number	□ 9003
Colour rendering index (CRI)	> 80
Ingress Protection (IP)	IP40
Impact strength (IK)	IK03
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 1%
Power factor	> 0.9

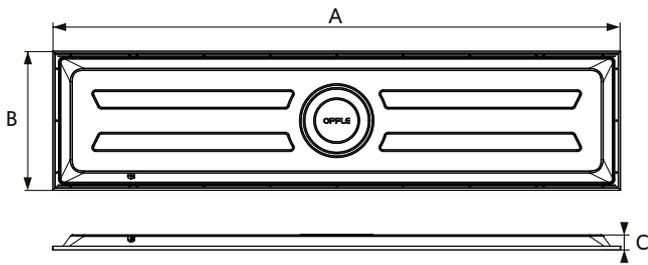
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications / No

Mechanical Properties	
Housing material	Aluminium
Cover material	Polystyrene

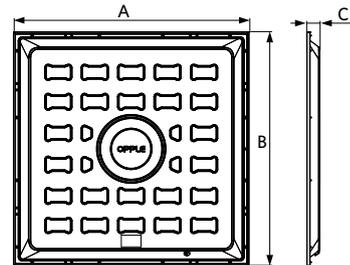
Ambient Conditions	
Operating temperature	-10 - 45°C
Operating temperature (MD)	-10 - 45°C
Application temperature	25°C
Storage environment	-25 - 50°C



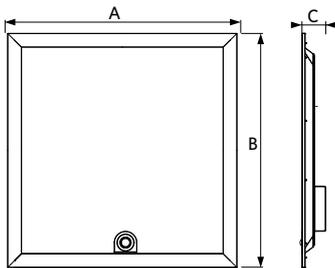
Dimensional Drawing (mm)



Type	A	B	C
Re295	1195	295	32

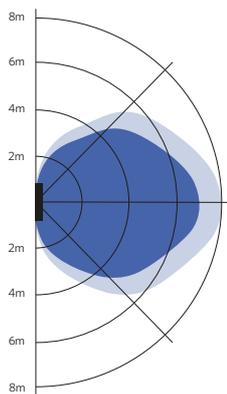


Type	A	B	C
Sq595	595	595	32
Sq620	620	620	34

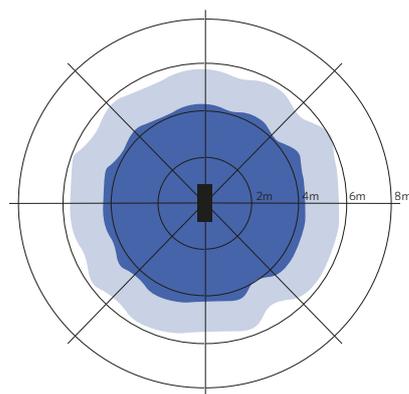


Type	A	B	C
Sq595	595	595	67
Sq620	620	620	67

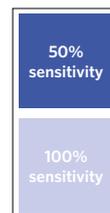
Motion Sensors



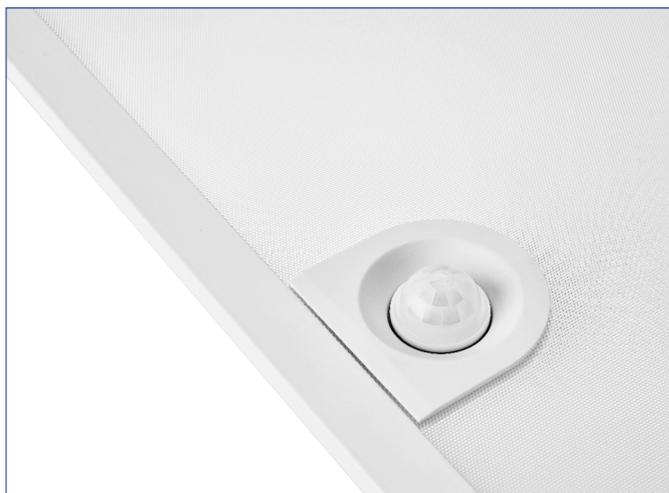
Installation - Wall mounted
Suggested installation height 1-3m



Installation - Ceiling mounted
Suggested installation height 2.5-6m



Product Highlights



SMART

INDOOR

OUTDOOR

LAMPS & TOOLS

TECHNICAL DATA

GLOSSARY



Ringo

- Luxury design product family
- Powered by SDL Natural Light Technology
- Enabling beautiful ambient lighting
- Supports advanced Human-Centric Lighting (HCL) solutions
- Gesture control for intuitive interaction (available in suspended versions)
- Available in Suspended Round (Sd 400mm/600mm), Ceiling Round (Sf 400mm/600mm), and Suspended Linear (1400mm) models
- Adjustable height and angle for tailored positioning
- Suspended round versions offer a striking free-hovering effect



Specifications

Item Code	Item Description	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Color of light	Sensor	Net Weight (kg/pc)
Tunable Color/Smart								
521026005900	LEDRingo SDL-S Sd-Rd600-75W-BLE2-BL	75	4500	60	1.8K-12K	Multi-coloured	Yes	8.8
521026006000	LEDRingo SDL-S Sd-Rd400-53W-BLE2-BL	53	3200	60	1.8K-12K	Multi-coloured	Yes	5.3
521026006100	LEDRingo SDL-S Sf-Rd600-75W-BLE2-BL	75	4500	60	1.8K-12K	Multi-coloured	No	4.8
521026006200	LEDRingo SDL-S Sf-Rd400-53W-BLE2-BL	53	3200	60	1.8K-12K	Multi-coloured	No	3.4
521026006300	LEDRingo SDL-S L1400-59W-BLE2-BL	59	3500	60	1.8K-12K	Multi-coloured	Yes	3.8

Technical Specifications	
Lifetime (L70)	80,000 h
Lifetime (L80)	50,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	3
Dimmability	BLE2
Sensor type	Gesture sensor / No sensor
Sensor technology	Microwave (MW)
Beam angle	60° up (50%) / 60° down (50%)
Finishing	Black RAL 9004
Colour rendering index (CRI)	> 95
UGR	22
Ingress Protection (IP)	IP40
Impact strength (IK)	IK03
Protection class	I
Risk group (EN 62471)	RGO
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 0.05%
Power factor	> 0.95

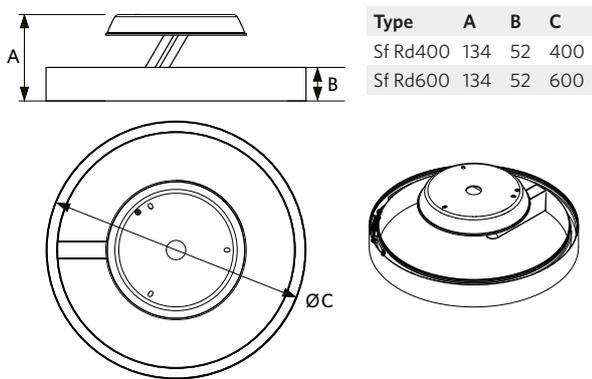
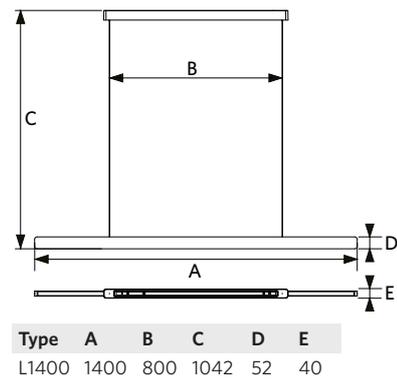
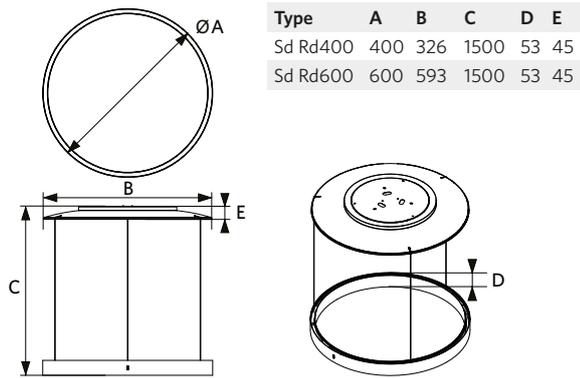
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	No

Mechanical Properties	
Housing material	Aluminium
Lens material	Polycarbonate

Ambient Conditions	
Operating temperature	-10 - 45°C
Application temperature	25°C
Storage environment	-25 - 50°C

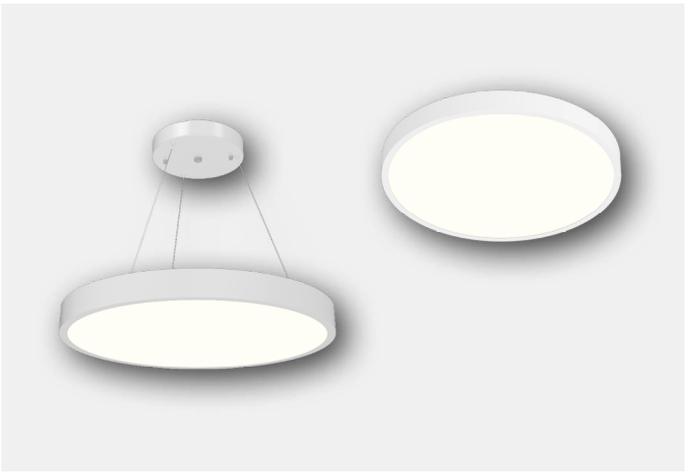


Dimensional Drawing (mm)



Product Highlights





Suspended Halo

- Stylish, slim round luminaire for suspended and surface mounted applications
- Three refined sizes: 400 mm, 600 mm, and 800 mm diameter
- Available with CCT-switch (3000K/4000K) or as Tunable White version (2700K-6500K)
- Direct light variants or direct + indirect versions with uplight
- Available as DALI2 and Smart Lighting solution (BLE2)



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Sensor	Net Weight (kg/pc)
DALI2								
520036048000	LEDHalo-P Rd400-DALI-20W-830/840-D-U19	TL 1x35W	20	2200	110	3K/4K	No	3.3
520036048100	LEDHalo-P Rd600-DALI-40W-830/840-D-U19	TL 1x80W	40	5000	125	3K/4K	No	4.9
520036048200	LEDHalo-P Rd800-DALI-80W-830/840-D-U19	TL 2x80W	80	10000	125	3K/4K	No	8.5
520036049200	LEDHalo-P Rd400-DALI-20W-830/840-D/I-U19	TL 1x35W	20	2300	115	3K/4K	No	4
520036049300	LEDHalo-P Rd600-DALI-40W-830/840-D/I-U19	TL 1x80W	40	5000	125	3K/4K	No	5.8
520036049400	LEDHalo-P Rd800-DALI-80W-830/840-D/I-U19	TL 2x80W	80	10000	125	3K/4K	No	9.5
Tunable White/DALI2								
520036048600	LEDHalo-P Rd400-DALI-20W-TW-D-U19	TL 1x35W	20	2200	110	2.7K-6.5K	No	3.3
520036048700	LEDHalo-P Rd600-DALI-40W-TW-D-U19	TL 1x80W	40	5000	125	2.7K-6.5K	No	4.9
520036048800	LEDHalo-P Rd800-DALI-80W-TW-D-U19	TL 2x80W	80	10000	125	2.7K-6.5K	No	8.5
520036049800	LEDHalo-P Rd400-DALI-20W-TW-D/I-U19	TL 1x35W	20	2300	115	2.7K-6.5K	No	4
520036049900	LEDHalo-P Rd600-DALI-40W-TW-D/I-U19	TL 1x80W	40	5000	125	2.7K-6.5K	No	5.8
520036050000	LEDHalo-P Rd800-DALI-80W-TW-D/I-U19	TL 2x80W	80	10000	125	2.7K-6.5K	No	9.5
Smart								
520036048300	LEDHalo-P Rd400-BLE2-20W-830/840-D-U19	TL 1x35W	20	2200	110	3K/4K	No	3.3
520036048400	LEDHalo-P Rd600-BLE2-40W-830/840-D-U19	TL 1x80W	40	5000	125	3K/4K	No	4.9
520036048500	LEDHalo-P Rd800-BLE2-80W-830/840-D-U19	TL 2x80W	80	10000	125	3K/4K	No	8.5
520036049500	LEDHalo-P Rd400-BLE2-20W-830/840-D/I-U19	TL 1x35W	20	2300	115	3K/4K	No	4
520036049600	LEDHalo-P Rd600-BLE2-40W-830/840-D/I-U19	TL 1x80W	40	5000	125	3K/4K	No	5.8
520036049700	LEDHalo-P Rd800-BLE2-80W-830/840-D/I-U19	TL 2x80W	80	10000	125	3K/4K	No	9.5
Tunable White/Smart								
520036048900	LEDHalo-P Rd400-BLE2-20W-TW-D-U19	TL 1x35W	20	2200	110	2.7K-6.5K	No	3.3
520036049000	LEDHalo-P Rd600-BLE2-40W-TW-D-U19	TL 1x80W	40	5000	125	2.7K-6.5K	No	4.9
520036049100	LEDHalo-P Rd800-BLE2-80W-TW-D-U19	TL 2x80W	80	10000	125	2.7K-6.5K	No	8.5
520036050100	LEDHalo-P Rd400-BLE2-20W-TW-D/I-U19	TL 1x35W	20	2300	115	2.7K-6.5K	No	4
520036050200	LEDHalo-P Rd600-BLE2-40W-TW-D/I-U19	TL 1x80W	40	5000	125	2.7K-6.5K	No	5.8
520036050300	LEDHalo-P Rd800-BLE2-80W-TW-D/I-U19	TL 2x80W	80	10000	125	2.7K-6.5K	No	9.5

Accessories



520098005100
LEDHalo-P-Suspended-Kit-3 core-3000

520098005200
LEDHalo-P-Suspended-Kit-5 core-3000



520098005300
LEDHalo-P-Canopy



520098005400
LEDHalo-P-Surface-Mounted-Kit-S

520098005500
LEDHalo-P-Surface-Mounted-Kit-M

520098005600
LEDHalo-P-Surface-Mounted-Kit-L

Technical Specifications	
Lifetime (L70)	100,000 h
Lifetime (L80)	70,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	DALI2 / BLE2
Sensor type	No sensor
Sensor technology	-
Beam angle	90° / 120° up / 90° down
Finishing	White RAL9003
Colour rendering index (CRI)	> 80
UGR	19
Ingress protection front side (IP)	IP20
Impact strength (IK)	IK03
Protection class	I
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 1%
Power factor	> 0.9

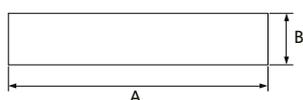
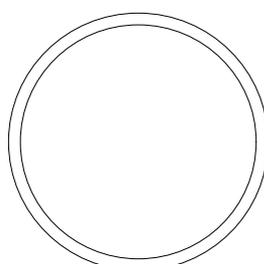
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	180 - 280 / 220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Aluminium
Cover material	PMMA

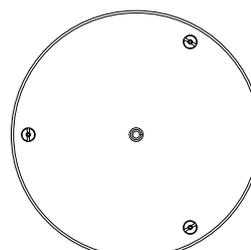
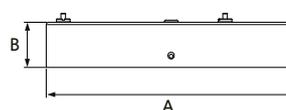
Ambient Conditions	
Operating temperature	-10 ~ 45°C
Application temperature	25°C
Storage environment	-25 ~ 50°C



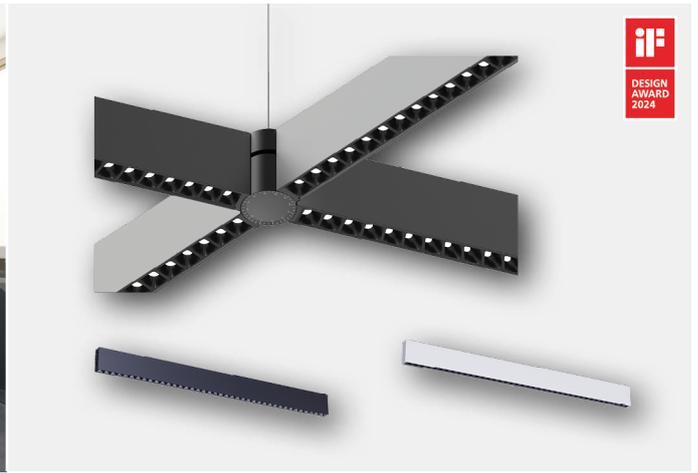
Dimensional Drawing (mm)



Type	A	B
Rd400	400	80
Rd600	600	80
Rd800	800	80



Type	A	B
Canopy 220	220	40



Suspended Linear Tallinn

- Modern direct/indirect suspended LED linear
- Low glare UGR < 10, suitable for office spaces
- Magnetic connection possible for flexible mounting of multiple fixtures
- Stylish black reflector
- Flexible due to 2700-6500K Tunable White (TW)
- Professional finishing in anodized black or matt white
- Available in DALI and Smart (BLE2)
- DALI2 driver compatible with 230V push dimming



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	UGR	CCT (K)	Finishing	Net Weight (kg/pc)
Tunable White/DALI2									
529000105800	LEDTallinn-P L15-45W-DALI-TW-D/I-U10-WH	TL 1x80W	45	4050	90	10	2.7K-6.5K	□	2.7
529000105900	LEDTallinn-P L15-45W-DALI-TW-D/I-U10-BL	TL 1x80W	45	4050	90	10	2.7K-6.5K	■	2.7
Tunable White/Smart									
529000106000	LEDTallinn-P L15-45W-BLE2-TW-D/I-U10-WH	TL 1x80W	45	4050	90	10	2.7K-6.5K	□	2.7
529000106100	LEDTallinn-P L15-45W-BLE2-TW-D/I-U10-BL	TL 1x80W	45	4050	90	10	2.7K-6.5K	■	2.7

Accessories



529098030800
LEDTallinn-P-Connection-Kit



529098031100
LEDTallinn-P-Magnet-End-Cap



529098031000
LEDTallinn-P-Magnet-Hub

Connection kit needed for linear connection of 2 Tallinn fixtures. Magnet end-cap needed for every Tallinn that is connected to a magnet hub.

All codes include the required suspension kit. Suspension length 1,5 m.

Technical Specifications	
Lifetime (L70)	70,000 h
Lifetime (L80)	50,000 h
On-/Off-cycles	100,000
Dimmability	DALI DT8 / BLE2
Beam angle	120° up (50%) / 50° down (50%)
Finishing	White RAL9003 / Black RAL 9004
Colour rendering index (CRI)	> 90
Ingress Protection (IP)	IP20
Impact strength (IK)	IK02
Protection class	I
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 1%
Power factor	> 0.9

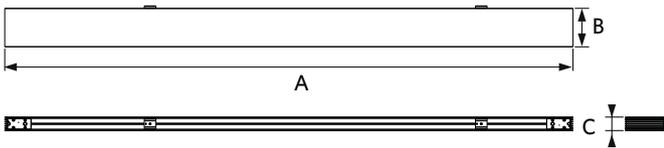
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Aluminium
Optical material	Polycarbonate

Ambient Conditions	
Operating temperature	-10 - 45°C
Application temperature	25°C
Storage environment	-25 - 50°C

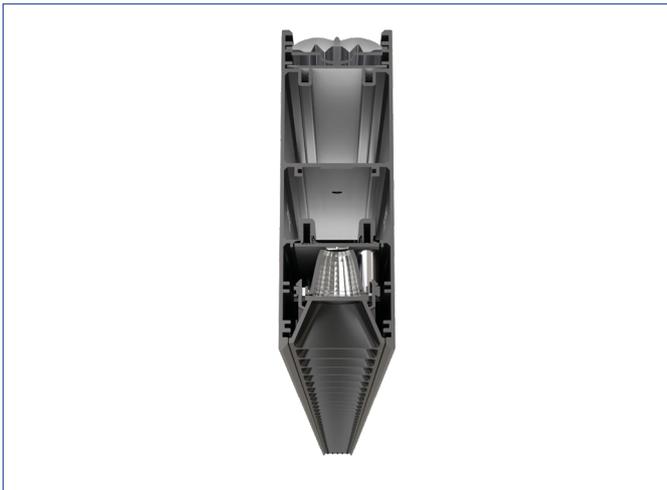


Dimensional Drawing (mm)



Type	A	B	C
L15	1465	100	35

Product Highlights





Lima G2

- Elegant linear luminaire with premium aluminium housing — available in Aluminium or Black finish
- Connection kit accessory to create continuous lines available
- Modular connection options with L-, T-, X- and I-connectors — ideal for continuous lines or custom layout designs
- UGR < 19 in all versions for comfortable visual comfort
- Direct versions and Direct/Indirect versions with uplight available
- Suspension kit including transparent cable available as accessory
- Available as DALI2 and Smart Lighting solution (BLE2)



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Finishing	Net Weight (kg/pc)
DALI2								
529000318300	LEDLima-P2 L12-28W-DALI-830/840-U19-BL	TL 1x54W	28	3360	120	3K/4K	■	3
529000318500	LEDLima-P2 L12-28W-DALI-830/840-U19-AL	TL 1x54W	28	3640	130	3K/4K	■	3
529000318700	LEDLima-P2 L15-33W-DALI-830/840-U19-BL	TL 1x54W	33	3960	120	3K/4K	■	3.7
529000318900	LEDLima-P2 L15-33W-DALI-830/840-U19-AL	TL 1x54W	33	4290	130	3K/4K	■	3.7
529000319100	LEDLima-P2 L12-20W-DALI-830/840-D-U19-BL	TL 1x35W	20	2000	100	3K/4K	■	2.9
529000319300	LEDLima-P2 L12-20W-DALI-830/840-D-U19-AL	TL 1x35W	20	2300	115	3K/4K	■	2.9
529000319500	LEDLima-P2 L15-23W-DALI-830/840-D-U19-BL	TL 1x35W	23	2300	100	3K/4K	■	3.6
529000319700	LEDLima-P2 L15-23W-DALI-830/840-D-U19-AL	TL 1x35W	23	2645	115	3K/4K	■	3.6
Smart								
529000318400	LEDLima-P2 L12-28W-BLE2-830/840-U19-BL	TL 1x54W	28	3360	120	3K/4K	■	3
529000318600	LEDLima-P2 L12-28W-BLE2-830/840-U19-AL	TL 1x54W	28	3640	130	3K/4K	■	3
529000318800	LEDLima-P2 L15-33W-BLE2-830/840-U19-BL	TL 1x54W	33	3960	120	3K/4K	■	3.7
529000319000	LEDLima-P2 L15-33W-BLE2-830/840-U19-AL	TL 1x54W	33	4290	130	3K/4K	■	3.7
529000319200	LEDLima-P2 L12-20W-BLE2-830/840-D-U19-BL	TL 1x35W	20	2000	100	3K/4K	■	2.9
529000319400	LEDLima-P2 L12-20W-BLE2-830/840-D-U19-AL	TL 1x35W	20	2300	115	3K/4K	■	2.9
529000319600	LEDLima-P2 L15-23W-BLE2-830/840-D-U19-BL	TL 1x35W	23	2300	100	3K/4K	■	3.6
529000319800	LEDLima-P2 L15-23W-BLE2-830/840-D-U19-AL	TL 1x35W	23	2645	115	3K/4K	■	3.6

Accessories

					
529098052800 Lima I-connection-G2	529098052900 Lima L-connection-G2-BL	529098053000 Lima T-connection-G2-BL	529098053100 Lima X-connection-G2-BL	529098053500 LEDLima-P2-Canopy-BL	529098053700 LEDLima-P2-Lens-12m
529098052800 Lima I-connection-G2	529098053200 Lima L-connection-G2-AL	529098053300 Lima T-connection-G2-AL	529098053400 Lima X-connection-G2-AL	529098053600 LEDLima-P2-Canopy-AL	

Technical Specifications

Lifetime (L70)	100,000 h
Lifetime (L80)	70,000 h
On-/Off-cycles	100,000
Dimmability	DALI2 / BLE2
Beam angle	90°
Finishing	Black RAL 9004 / Aluminum
Colour rendering index (CRI)	> 80
UGR	19
Impact strength (IK)	IK03
Protection class	I
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 1%
Power factor	> 0.9

Electrical Supply

Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties

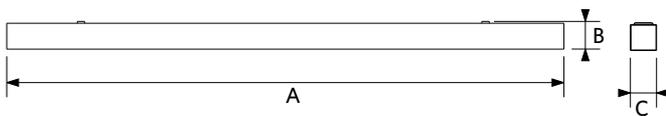
Housing material	Aluminium
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Ambient Conditions

Operating temperature	-10 - 45°C
Application temperature	25°C
Storage environment	-25 - 50°C



Dimensional Drawing (mm)



Type	A	B	C
Lima	607	70	85



Panel Suspended Riga

- Stylish direct/indirect suspended LED panel
- Clean minimalistic design
- Low Glare UGR19, suitable for office spaces
- Flexible due to 3000/3500/4000K CCT and Power Switch
- DALI2 and Smart Lighting (BLE2) versions available
- DALI2 driver compatible with 230V push dimming



Specifications

Item Code	Item Description	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
DALI2						
542004095200	LED Riga-P Re295-34/40W-DALI-830/840	34	4420 - 5200	130	3K/3.5K/4K	3.6
Smart						
542004095300	LED Riga-P Re295-34/40W-BLE2-830/840	34	4420 - 5200	130	3K/3.5K/4K	3.5

All codes include the required suspension kit. Suspension length 1.75m.

Available on request with Wieland GST18 or WAGO WINSTA connector, or Euro/Schuko plug.

Technical Specifications	
Lifetime (L70)	70,000 h
Lifetime (L80)	50,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	DALI2 / BLE2
Beam angle	115° up (30%) / 90° down (70%)
Finishing	White RAL9003
RAL-Number	□ 9003
Colour rendering index (CRI)	> 80
UGR	19
Ingress Protection (IP)	IP20
Impact strength (IK)	IK02
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 1%
Power factor	> 0.9

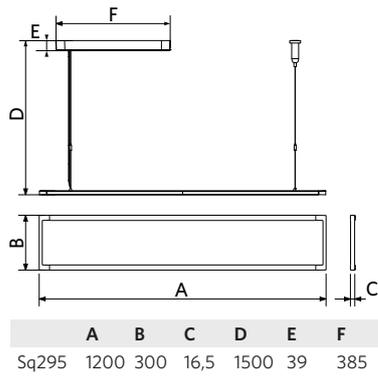
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Aluminium
Optical material	PMMA
Cover material	PMMA

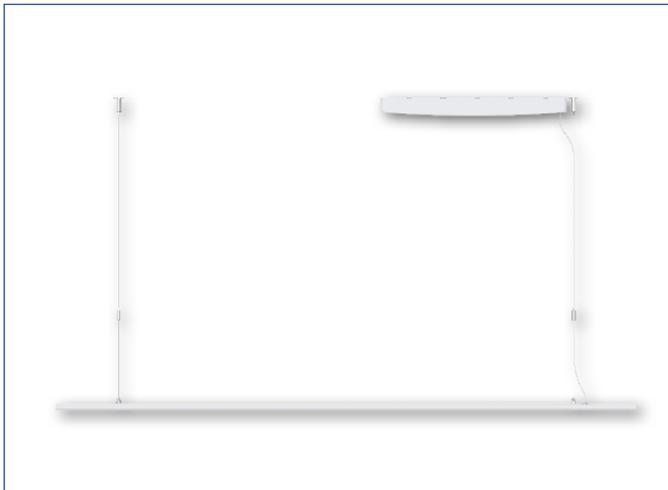
Ambient Conditions	
Operating temperature	-10 - 35°C
Application temperature	25°C
Storage environment	-25 - 50°C



Dimensional Drawing (mm)



Product Highlights





Downlight Performer G2 HG

- High quality LED Downlight with upgraded Efficacy up to 130 lm/W with CRI90 for all versions
- Versions with integrated CCT-switch for color selection (3000K-4000K) available
- Available in small cut-out of 125mm
- Unique optical lens concept with high gloss (HG) reflector and low glare
- Tunable White Smart version available (2700-6500K)
- Direct replacement for compact fluorescent downlights
- IP54 on light emitting side
- Provided with protective foil in order to protect the optics against dust and dirt during the installation
- DALI2 driver compatible with 230V push dimming



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	UGR	CCT (K)	Net Weight (kg/pc)
On-Off								
540001387100	LEDDownlightHG-P2 Rd125-8W-930/940	CFL 1x13W	8	880	110	19	3K/4K	0.29
540001387200	LEDDownlightHG-P2 Rd150-12W-930/940	CFL 1x18W	12	1440	120	19	3K/4K	0.38
540001387300	LEDDownlightHG-P2 Rd200-15W-930/940	CFL 1x26W	15	1950	130	19	3K/4K	0.83
540001387400	LEDDownlightHG-P2 Rd200-22W-930/940	CFL 2x26W	22	2860	130	19	3K/4K	0.83
540001387500	LEDDownlightHG-P2 Rd200-30W-930/940	CFL 2x32W	30	3900	130	22	3K/4K	0.83
540001387600	LEDDownlightHG-P2 Rd200-40W-930/940	HID 70W	40	5200	130	22	3K/4K	0.83
DALI2								
540001388100	LEDDownlightHG-P2 Rd125-8W-DALI-930/940	CFL 1x13W	8	880	110	19	3K/4K	0.29
540001388200	LEDDownlightHG-P2 Rd150-12W-DALI-930/940	CFL 1x18W	12	1440	120	19	3K/4K	0.38
540001388300	LEDDownlightHG-P2 Rd200-15W-DALI-930/940	CFL 1x26W	15	1950	130	19	3K/4K	0.83
540001388400	LEDDownlightHG-P2 Rd200-22W-DALI-930/940	CFL 2x26W	22	2860	130	19	3K/4K	0.83
540001388500	LEDDownlightHG-P2 Rd200-30W-DALI-930/940	CFL 2x32W	30	3900	130	22	3K/4K	0.83
Tunable White/DALI2								
540001389900	LEDDownlightHG-P2 Rd150-12W-DALI-TW	CFL 1x18W	12	1320	110	19	2.7K-6.5K	0.38
540001390100	LEDDownlightHG-P2 Rd200-24W-DALI-TW	CFL 2x26W	24	2640	110	19	2.7K-6.5K	0.83
Smart								
540001389000	LEDDownlightHG-P2 Rd125-8W-BLE2-930/940	CFL 1x13W	8	880	110	19	3K/4K	0.29
540001389100	LEDDownlightHG-P2 Rd150-12W-BLE2-930/940	CFL 1x18W	12	1440	120	19	3K/4K	0.38
540001389200	LEDDownlightHG-P2 Rd200-15W-BLE2-930/940	CFL 1x26W	15	1950	130	19	3K/4K	0.83
540001389300	LEDDownlightHG-P2 Rd200-22W-BLE2-930/940	CFL 2x26W	22	2860	130	19	3K/4K	0.83
540001389400	LEDDownlightHG-P2 Rd200-30W-BLE2-930/940	CFL 2x32W	30	3900	130	22	3K/4K	0.83
Tunable White/Smart								
540001390000	LEDDownlightHG-P2 Rd150-12W-BLE2-TW	CFL 1x18W	12	1320	110	19	2.7K-6.5K	0.38
540001390200	LEDDownlightHG-P2 Rd200-24W-BLE2-TW	CFL 2x26W	24	2640	110	19	2.7K-6.5K	0.83

Available on request with Wieland GST18 or WAGO WINSTA connector, or Euro/Schuko plug. DALI2 versions are compatible with central emergency lighting according to EN 50172.

Accessories



See appendix Adapter Rings Overview for adapter ring dimensional drawings.

Technical Specifications	
Lifetime (L70)	100,000 h
Lifetime (L80)	70,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	On-Off / DALI2 / DALI DT8 / BLE2
Beam angle	70°
Finishing	White RAL9003
RAL-Number	□ 9003
Colour rendering index (CRI)	> 90
Ingress protection front side (IP)	IP54
Ingress protection recessed part (IP)	IP20
Impact strength (IK)	IK02
Protection class	II
Risk group (EN 62471)	RG0 / RG1 (22W & 30W & 40W)
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 1%
Power factor	> 0.9

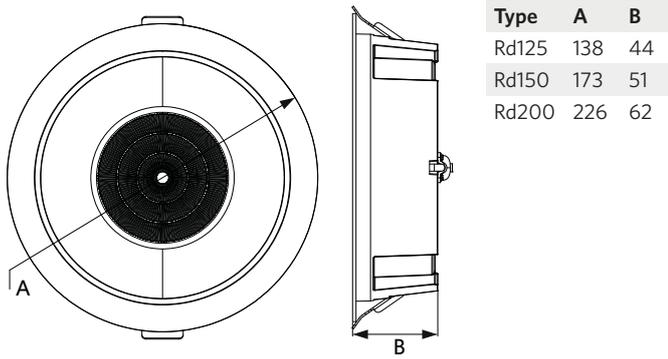
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Aluminium
Optical material	Polycarbonate

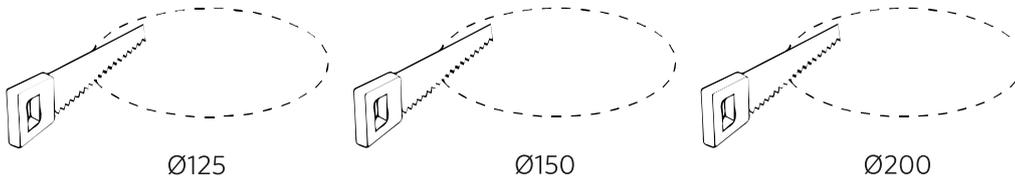
Ambient Conditions	
Operating temperature	-10 ~ 45°C
Application temperature	25°C
Storage environment	-25 ~ 50°C



Dimensional Drawing (mm)



Installation Opening Drawing (mm)



Product Highlights







Downlight Performer G2 MW

- High quality LED Downlight with upgraded Efficacy up to 130 lm/W with CRI90 for all versions
- Versions with integrated CCT-switch for color selection (3000K-4000K) available
- Available in small cut-out of 125mm
- Unique optical lens concept with matte white (MW) reflector and low glare
- Tunable White Smart version available (2700-6500K)
- Direct replacement for compact fluorescent downlights
- IP54 on light emitting side
- Provided with protective foil in order to protect the optics against dust and dirt during the installation
- DALI2 driver compatible with 230V push dimming



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	UGR	CCT (K)	Net Weight (kg/pc)
On-Off								
540001383900	LEDDownlightMW-P2 Rd125-8W-930/940	CFL 1x13W	8	960	120	22	3K/4K	0.29
540001384000	LEDDownlightMW-P2 Rd150-12W-930/940	CFL 1x18W	12	1440	120	22	3K/4K	0.38
540001384100	LEDDownlightMW-P2 Rd200-15W-930/940	CFL 1x26W	15	1950	130	22	3K/4K	0.83
540001384200	LEDDownlightMW-P2 Rd200-22W-930/940	CFL 2x26W	22	2860	130	22	3K/4K	0.83
540001384300	LEDDownlightMW-P2 Rd200-30W-930/940	CFL 2x32W	30	3900	130	22	3K/4K	0.83
540001384400	LEDDownlightMW-P2 Rd200-40W-930/940	HID 70W	40	5200	130	22	3K/4K	0.83
DALI2								
540001384900	LEDDownlightMW-P2 Rd125-8W-DALI-930/940	CFL 1x13W	8	960	120	22	3K/4K	0.29
540001385000	LEDDownlightMW-P2 Rd150-12W-DALI-930/940	CFL 1x18W	12	1440	120	22	3K/4K	0.38
540001385100	LEDDownlightMW-P2 Rd200-15W-DALI-930/940	CFL 1x26W	15	1950	130	22	3K/4K	0.83
540001385200	LEDDownlightMW-P2 Rd200-22W-DALI-930/940	CFL 2x26W	22	2860	130	22	3K/4K	0.83
540001385300	LEDDownlightMW-P2 Rd200-30W-DALI-930/940	CFL 2x32W	30	3900	130	22	3K/4K	0.83
Tunable White/DALI2								
540001386700	LEDDownlightMW-P2 Rd150-12W-DALI-TW	CFL 1x18W	12	1320	110	22	2.7K-6.5K	0.38
540001386900	LEDDownlightMW-P2 Rd200-24W-DALI-TW	CFL 2x26W	24	2640	110	22	2.7K-6.5K	0.83
Smart								
540001385800	LEDDownlightMW-P2 Rd125-8W-BLE2-930/940	CFL 1x13W	8	960	120	22	3K/4K	0.29
540001385900	LEDDownlightMW-P2 Rd150-12W-BLE2-930/940	CFL 1x18W	12	1440	120	22	3K/4K	0.38
540001386000	LEDDownlightMW-P2 Rd200-15W-BLE2-930/940	CFL 1x26W	15	1950	130	22	3K/4K	0.83
540001386100	LEDDownlightMW-P2 Rd200-22W-BLE2-930/940	CFL 2x26W	22	2860	130	22	3K/4K	0.83
540001386200	LEDDownlightMW-P2 Rd200-30W-BLE2-930/940	CFL 2x32W	30	3900	130	22	3K/4K	0.83
Tunable White/Smart								
540001386800	LEDDownlightMW-P2 Rd150-12W-BLE2-TW	CFL 1x26W	12	1320	110	22	2.7K-6.5K	0.38
540001387000	LEDDownlightMW-P2 Rd200-24W-BLE2-TW	CFL 2x26W	24	2640	110	22	2.7K-6.5K	0.83

Available on request with Wieland GST18 or WAGO WINSTA connector, or Euro/Schuko plug. DALI2 versions are compatible with central emergency lighting according to EN 50172.

Accessories

	140060646 LEDDownlight- Rc-P-HZ-Adapter-150-175	
	140060647 LEDDownlightRc-P-SI-E- Adapter-200-225	540098018200 LEDDownlight-P-Surfa- ce-Module-Rd125
542098000800 LEDPanelRC-SI U19 EM- kit 1h	140060648 LEDDownlightRc-P-SI-E- Adapter-200-250	540098018300 LEDDownlight-P-Surfa- ce-Module-Rd150
542098000900 LEDPanelRC-SI U19 EM- kit 3h	140060650 LEDDownlightRc-HZ- dim-Adapter-125-150	540098018400 LEDDownlight-P-Surfa- ce-Module-Rd200

See appendix Adapter Rings Overview for adapter ring dimensional drawings.

Technical Specifications	
Lifetime (L70)	100,000 h
Lifetime (L80)	70,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	On-Off / DALI2 / DALI DT8 / BLE2
Beam angle	70°
Finishing	White RAL9003
RAL-Number	□ 9003
Colour rendering index (CRI)	> 90
Ingress protection front side (IP)	IP54
Ingress protection recessed part (IP)	IP20
Impact strength (IK)	IK02
Protection class	II
Risk group (EN 62471)	RG0 / RG1 (22W & 30W & 40W)
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 1%
Power factor	> 0.9

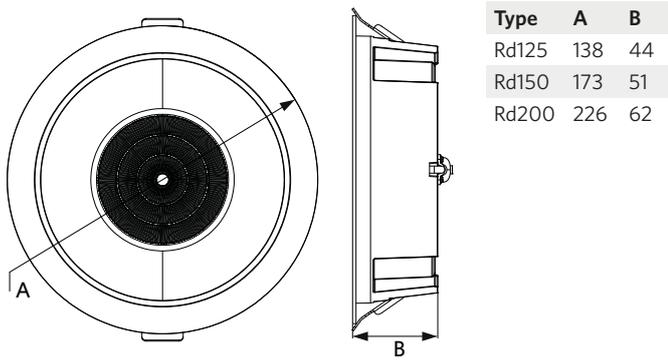
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Aluminium
Optical material	Polycarbonate

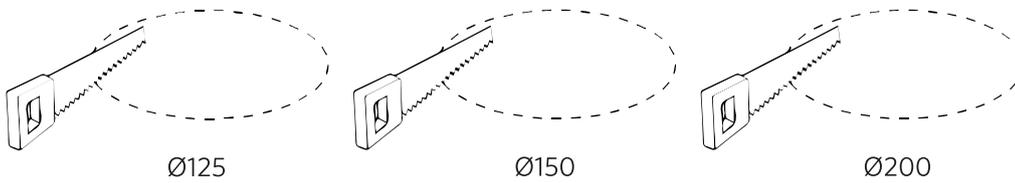
Ambient Conditions	
Operating temperature	-10 ~ 45°C
Application temperature	25°C
Storage environment	-25 ~ 50°C



Dimensional Drawing (mm)



Installation Opening Drawing (mm)



Product Highlights







Downlight EcoMax HG

- High quality LED Downlight with high Efficacy up to 120 lm/W
- 10 and 20W versions suitable for office lighting (UGR<19)
- Integrated CCT switch for color selection (3000K-4000K)
- Available in cut-out of 150mm and 200mm
- Unique optical lens concept with high gloss (HG) reflector and low glare
- IP54 on light emitting side
- Available in Triac and DALI2 dimming
- DALI2 driver compatible with 230V push dimming



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	UGR	CCT (K)	Net Weight (kg/pc)
Dimmable (Triac)								
540001409600	LEDDownlightHG-E Rd150-10W-DIM-830/840	CFL 1x18W	10	1200	120	19	3K/4K	0.4
540001409700	LEDDownlightHG-E Rd200-20W-DIM-830/840	CFL 1x26W	20	2400	120	19	3K/4K	0.85
540001409800	LEDDownlightHG-E Rd200-30W-DIM-830/840	CFL 2x32W	30	3600	120	22	3K/4K	0.85
540001409900	LEDDownlightHG-E Rd200-40W-DIM-830/840	HID 70W	40	4800	120	22	3K/4K	0.85
DALI2								
540001410000	LEDDownlightHG-E Rd150-10W-DALI-830/840	CFL 1x18W	10	1200	120	19	3K/4K	0.4
540001410100	LEDDownlightHG-E Rd200-20W-DALI-830/840	CFL 1x26W	20	2400	120	19	3K/4K	0.85
540001410200	LEDDownlightHG-E Rd200-30W-DALI-830/840	CFL 2x32W	30	3600	120	22	3K/4K	0.85
540001410300	LEDDownlightHG-E Rd200-40W-DALI-830/840	HID 70W	40	4800	120	22	3K/4K	0.85

Accessories



140060646
LEDDownlight-
Rc-P-HZ-Adapter-150-175

542098000800
LEDPanelRC-SI U19 EM-
kit 1h

140060647
LEDDownlightRc-P-SI-E-
Adapter-200-225

540098018300
LEDDownlight-P-Surfa-
ce-Module-Rd150

542098000900
LEDPanelRC-SI U19 EM-
kit 3h

140060648
LEDDownlightRc-P-SI-E-
Adapter-200-250

540098018400
LEDDownlight-P-Surfa-
ce-Module-Rd200



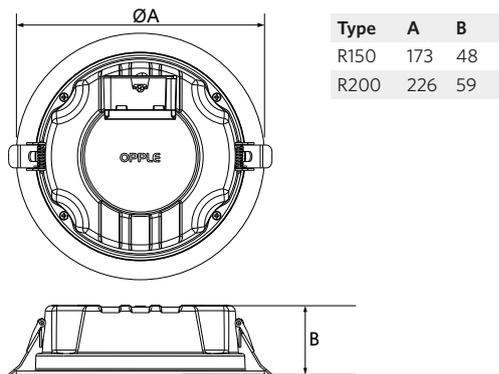
Technical Specifications	
Lifetime (L70)	70,000 h
Lifetime (L80)	50,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	Triac / DALI2
Beam angle	70°
Finishing	White RAL9003
RAL-Number	□ 9003
Colour rendering index (CRI)	> 80
Ingress protection front side (IP)	IP54
Ingress protection recessed part (IP)	IP20
Impact strength (IK)	IK03
Protection class	II
Risk group (EN 62471)	RG1
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 1%
Power factor	> 0.9

Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	No / See catalogue appendix Connection Specifications
230V Cable length	0.3 m

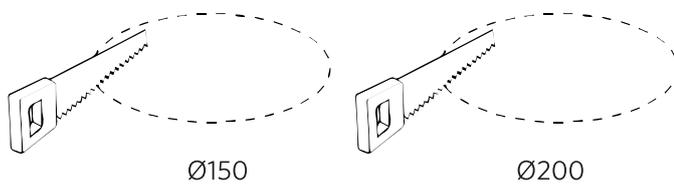
Mechanical Properties	
Housing material	Aluminium
Optical material	Polycarbonate

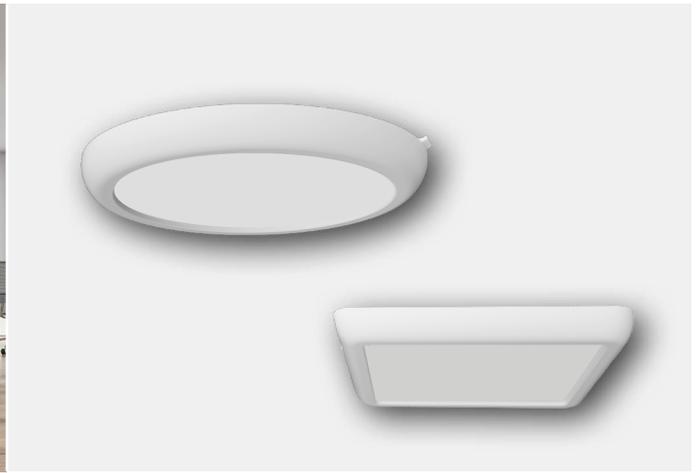
Ambient Conditions	
Operating temperature	-10 - 45°C
Application temperature	25°C
Storage environment	-25 - 50°C

Dimensional Drawing (mm)



Installation Opening Drawing (mm)





Downlight Flex EcoMax G2

- Flexible downlight solution for surface and recessed mounting
- Large selection of ceiling hole diameters that can be covered 18W version: Ø65-205mm and 25W version: Ø120-260mm
- The outside diameter for 18W versions is 220mm and for 25W versions is 300mm
- 4 power levels in each version (9W/12W/15W/18W & 12W/18W/21W/25W)
- Integrated CCT switch for color selection (3000K-4000K)
- Available in round and square versions



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
On-Off							
540001433700	LEDDownlightF-E2 Rd165-9/18W-830/840	CFL 1x26W	9 - 18	945 - 1890	105	3K/4K	0.45
540001434000	LEDDownlightF-E2 Sq270-15/25W-830/840	CFL 2x26W	15 - 25	1575 - 2625	105	3K/4K	1.26
540001433900	LEDDownlightF-E2 Sq165-9/18W-830/840	CFL 1x26W	9 - 18	945 - 1890	105	3K/4K	0.53
540001433800	LEDDownlightF-E2 Rd235-15/25W-830/840	CFL 2x26W	15 - 25	1575 - 2625	105	3K/4K	0.84

Technical Specifications	
Lifetime (L70)	50,000 h
Lifetime (L80)	30,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	On-Off
Beam angle	110°
Finishing	White RAL9003
RAL-Number	□ 9003
Colour rendering index (CRI)	> 80
Ingress protection front side (IP)	IP44
Ingress protection recessed part (IP)	IP20
Impact strength (IK)	IK03
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 0.05%
Power factor	> 0.9

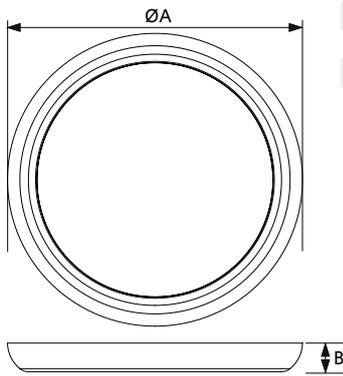
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Polycarbonate
Optical material	Polycarbonate

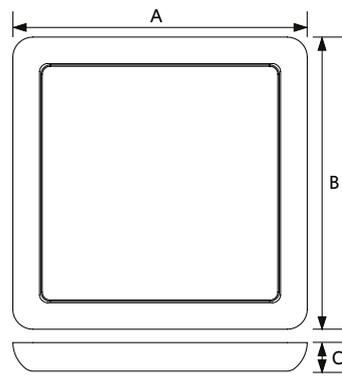
Ambient Conditions	
Operating temperature	-10 - 40°C
Application temperature	25°C
Storage environment	-25 - 50°C



Dimensional Drawing (mm)



Type	A	B
Rd165	220	21,5
Rd235	300	25



Type	A	B	C
Sq165	220	220	21,5
Sq270	300	300	25



Downlight Slim EcoMax G2

- Upgraded Efficacy up to 120 lm/W
- Flexible due to CCT switch and Power switch
- 5 lumen packages available in 5 cut-out diameters (100mm to 200mm)
- Very flat design, only 34mm height
- IP44 on light-emitting side



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
On-Off							
540001366000	LEDDownlightS-E2 Rd100-6W-830/840-WH	CFL 1x18W	6 - 9	600 - 900	100	3K/4K	0.2
540001366100	LEDDownlightS-E2 Rd125-9W-830/840-WH	CFL 1x18W	6 - 9	630 - 945	105	3K/4K	0.27
540001366300	LEDDownlightS-E2 Rd150-12W-830/840-WH	CFL 1x26W	11 - 14	1155 - 1470	105	3K/4K	0.35
540001365500	LEDDownlightS-E2 Rd175-15W-830/840-WH	CFL 1x26W	15 - 23	1725 - 2645	115	3K/4K	0.43
540001365800	LEDDownlightS-E2 Rd200-18W-830/840-WH	CFL 1x26W	15 - 23	1800 - 2760	120	3K/4K	0.51

Available on request with Wieland GST18 or WAGO WINSTA connector, or Euro/Schuko plug.

Accessories



140060646
LEDDownlight-
Rc-P-HZ-Adapter-150-175

140060647
LEDDownlightRc-P-SI-E-
Adapter-200-225

140060648
LEDDownlightRc-P-SI-E-
Adapter-200-250

140060650
LEDDownlightRc-HZ-
dim-Adapter-125-150

140060651
LEDDownlightRc-HZ-
dim-Adapter-175-200

See appendix Adapter Rings Overview for adapter ring dimensional drawings.

Technical Specifications	
Lifetime (L70)	50,000 h
Lifetime (L80)	30,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	On-Off
Beam angle	100°
Finishing	White RAL9003
RAL-Number	□ 9003
Colour rendering index (CRI)	> 80
Ingress protection front side (IP)	IP44
Ingress protection recessed part (IP)	IP20
Impact strength (IK)	IK02
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 1%
Displacement factor (DF)	0.9

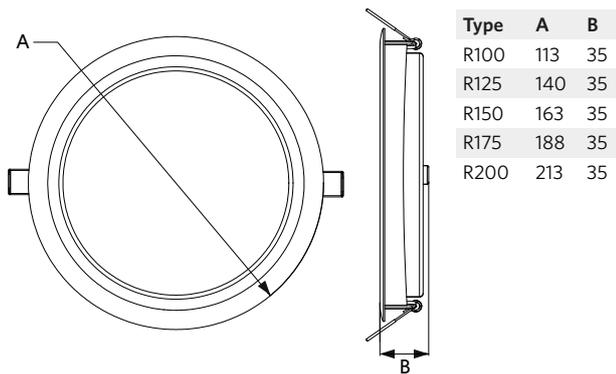
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	No
230V Cable length	0.3 m

Mechanical Properties	
Housing material	Steel
Optical material	Polycarbonate

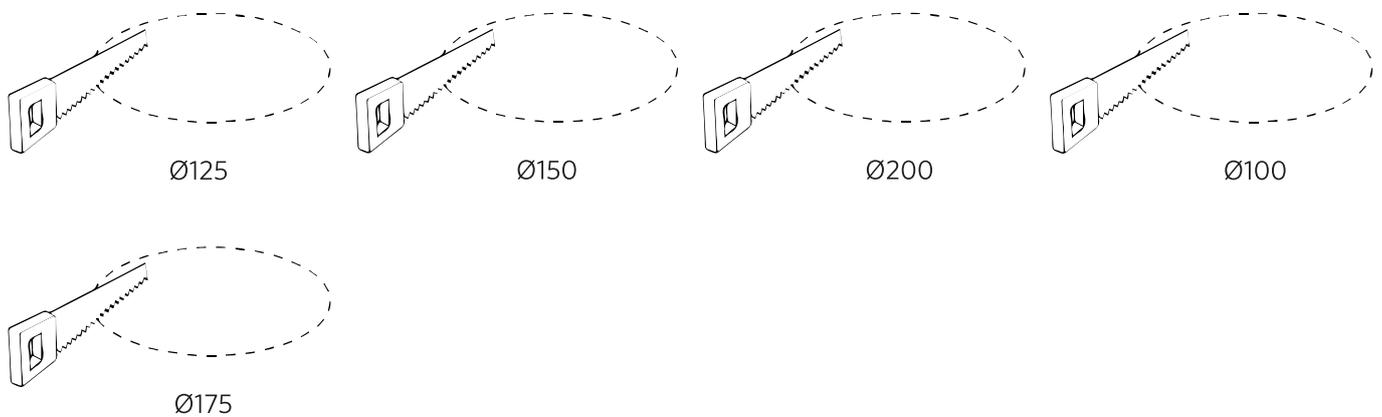
Ambient Conditions	
Operating temperature	-10 - 45°C
Application temperature	25°C
Storage environment	-25 - 50°C



Dimensional Drawing (mm)



Installation Opening Drawing (mm)





Downlight Compact

- Stylish and compact LED downlight
- Sturdy full metal housing
- Integrated driver for easier installation
- Low height of only 35mm
- High Efficacy up to 100 lm/W
- IP44 on light emitting side
- Full range: 4 powers and 4 sizes



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
On-Off							
540001290900	LEDDownlightCo-E Rd100-9W-830	CFL 1x18W	9	810	90	3000	0.12
540001291000	LEDDownlightCo-E Rd100-9W-840	CFL 1x18W	9	855	95	4000	0.12
540001291100	LEDDownlightCo-E Rd125-14W-830	CFL 1x26W	14	1190	85	3000	0.14
540001291200	LEDDownlightCo-E Rd125-14W-840	CFL 1x26W	14	1260	90	4000	0.14
540001291300	LEDDownlightCo-E Rd150-18W-830	CFL 1x26W	18	1620	90	3000	0.2
540001291400	LEDDownlightCo-E Rd150-18W-840	CFL 1x26W	18	1710	95	4000	0.2
540001291500	LEDDownlightCo-E Rd200-24W-830	CFL 2x26W	24	2280	95	3000	0.32
540001291600	LEDDownlightCo-E Rd200-24W-840	CFL 2x26W	24	2400	100	4000	0.32

Accessories



140060650
LEDDownlightRc-HZ-
dim-Adapter-125-150



140060646
LEDDownlight-
Rc-P-HZ-Adapter-150-175

542098030700
Junction-Box-WH

See appendix Adapter Rings Overview for adapter ring dimensional drawings.

Technical Specifications	
Lifetime (L70)	50,000 h
Lifetime (L80)	30,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	3.0
Dimmability	On-Off
Beam angle	100°
Finishing	White RAL9003
RAL-Number	□ 9003
Colour rendering index (CRI)	> 80
Ingress protection front side (IP)	IP44
Ingress protection recessed part (IP)	IP20
Impact strength (IK)	IK02
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 1.0%
Displacement factor (DF)	0.9

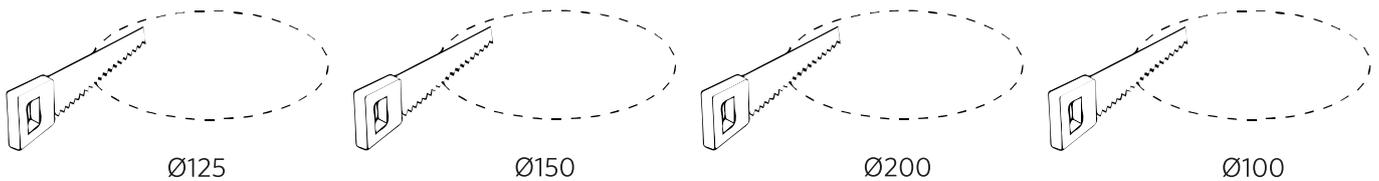
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	No
230V Cable length	0.3 m

Mechanical Properties	
Housing material	Aluminium
Optical material	Polycarbonate

Ambient Conditions	
Operating temperature	-10 - 45°C
Application temperature	25°C
Storage environment	-25 - 45°C



Installation Opening Drawing (mm)





Spot Performer 3C Compact G2

- NEW: Improved Efficacy up to 135 lm/W
- High performance compact track spot with high luminous Efficacy and homogeneous light distribution
- Integrated in-track driver with a 4-step DIP switch for simple power selection
- Fitting common Global/Nordic Aluminum® 3C Tracks - and many other standard types
- Available in matte white (WH) and matte black (BL) versions
- Versions with integrated CCT switch for colour selection (2700K/3000K/4000K) available



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen (lm)	Efficacy (lm/W)	CCT (K)	Finishing	Net Weight (kg/pc)
On-Off								
568001038000	LEDspot3C-C-P2 12W-930-36D-BL	Halogen 100W	12	1140	95	3000	■	0.414
568001038100	LEDspot3C-C-P2 12W-930-36D-WH	Halogen 100W	12	1140	95	3000	□	0.414
568001034900	LEDspot3C-C-P2 20W-940-36D-BL	HID 35W	20	2600	130	4000	■	0.505
568001035000	LEDspot3C-C-P2 20W-940-36D-WH	HID 35W	20	2600	130	4000	□	0.505
568001035200	LEDspot3C-C-P2 20W-930-36D-BL	HID 35W	20	2600	130	3000	■	0.505
568001035300	LEDspot3C-C-P2 20W-930-36D-WH	HID 35W	20	2600	130	3000	□	0.505
568001032100	LEDspot3C-C-P2 30W-930-36D-BL	HID 50W	30	4050	135	3000	■	0.599
568001032200	LEDspot3C-C-P2 30W-930-36D-WH	HID 50W	30	4050	135	3000	□	0.599
568001031800	LEDspot3C-C-P2 30W-940-36D-BL	HID 50W	30	4050	135	4000	■	0.599
568001031900	LEDspot3C-C-P2 30W-940-36D-WH	HID 50W	30	4050	135	4000	□	0.599
On-Off/CCT-Switch								
568001037500	LEDspot3C-C-CS2 12W-927/940-36D-BL	Halogen 100W	12	1140	95	2.7K/3K/4K	■	0.414
568001037600	LEDspot3C-C-CS2 12W-927/940-36D-WH	Halogen 100W	12	1140	95	2.7K/3K/4K	□	0.414
568001034700	LEDspot3C-C-CS2 22W-927/940-36D-BL	HID 35W	22	2200	100	2.7K/3K/4K	■	0.505
568001034800	LEDspot3C-C-CS2 22W-927/940-36D-WH	HID 35W	22	2200	100	2.7K/3K/4K	□	0.505
568001031600	LEDspot3C-C-CS2 33W-927/940-36D-BL	HID 50W	33	3300	100	2.7K/3K/4K	■	0.599
568001031700	LEDspot3C-C-CS2 33W-927/940-36D-WH	HID 50W	33	3300	100	2.7K/3K/4K	□	0.599

Technical Specifications	
Lifetime (L70)	70,000 h
Lifetime (L80)	50,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	On-Off
Beam angle	36°
Maximum tilt angle	85°
Finishing	Matte Black / Matte White
Colour rendering index (CRI)	> 90
Impact strength (IK)	IK03
Protection class	II
Risk group (EN 62471)	RG1
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 1%
Power factor	> 0.9

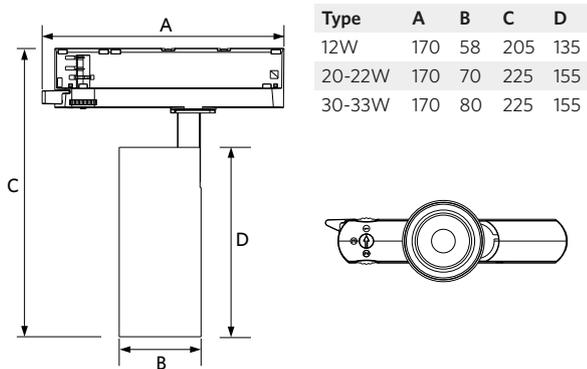
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Aluminium
Optical material	Polycarbonate
Lens material	Polycarbonate

Ambient Conditions	
Operating temperature	-10 ~ 35°C
Application temperature	25°C
Storage environment	-25 ~ 50°C



Dimensional Drawing (mm)



Product Highlights





Spot Performer Swing

- Powerful recessed, rotatable and tiltable spot
- Clean and compact design ideal for retail shops, showrooms, and hospitality environments
- Die-cast aluminium housing
- Excellent colour rendering with CRI 90
- High efficiency up to 100 lm/W
- DALI2 and Smart Lighting (BLE2) versions available
- DALI2 driver compatible with 230V push dimming



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
On-Off							
541003067800	LEDSpotRS-P 20W-3000-60D-WH	HID 35W	20	1800	90	3000	0.6
541003067900	LEDSpotRS-P 20W-4000-60D-WH	HID 35W	20	2000	100	4000	0.6
541003068200	LEDSpotRS-P 35W-3000-60D-WH	HID 50W	35	3150	90	3000	1.13
541003068300	LEDSpotRS-P 35W-4000-60D-WH	HID 50W	35	3500	100	4000	1.13
DALI2							
541003101500	LEDSpotRS-P 35W-3000-60D-WH-DALI	HID 50W	35	3150	90	3000	1.13
541003101600	LEDSpotRS-P 35W-4000-60D-WH-DALI	HID 50W	35	3500	100	4000	1.13
Smart							
541003557000	LEDSpotRS-P 35W-3000-60D-WH-BLE2	HID 50W	35	3150	90	3000	1.13
541003557100	LEDSpotRS-P 35W-4000-60D-WH-BLE2	HID 50W	35	3500	100	4000	1.13
1-10V							
541003102300	LEDSpotRS-P 35W-3000-60D-WH-10V	HID 50W	35	3150	90	3000	1.13
541003102400	LEDSpotRS-P 35W-4000-60D-WH-10V	HID 50W	35	3500	100	4000	1.13

Accessories



140060651
LED Downlight Rc-HZ-
dim-Adapter-175-200



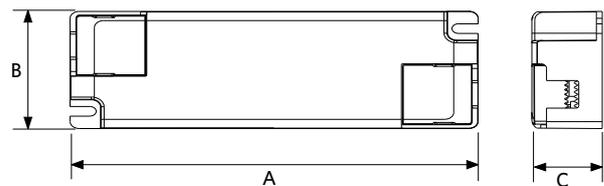
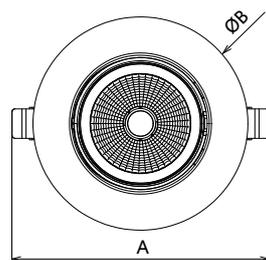
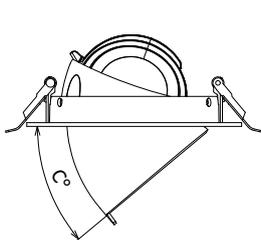
542098030700
Junction-Box-WH

See appendix Adapter Rings Overview for adapter ring dimensional drawings.

Technical Specifications		Electrical Supply	
Lifetime (L70)	70,000 h	Frequency	50 - 60 Hz
Lifetime (L80)	50,000 h	Nominal voltage	220 - 240 V
On-/Off-cycles	100,000	DC input voltage	See catalogue appendix Connection Specifications
Colour consistency (SDCM)	3.0	230V Cable length	0.3 m
Dimmability	On-Off / DALI / BLE2 / 1-10V	Mechanical Properties	
Beam angle	60°	Housing material	Aluminium
Maximum tilt angle	40°	Optical material	Polycarbonate
RAL-Number	□ 9003	Ambient Conditions	
Colour rendering index (CRI)	> 90	Operating temperature	-10 ~ 45°C
Ingress Protection (IP)	IP20	Application temperature	25°C
Impact strength (IK)	IK03	Storage environment	-25 ~ 50°C
Protection class	II		
Risk group (EN 62471)	RG1		
With control gear	Yes		
Glow wire test	650°C		
Driver failure rate (at 5,000 hrs)	< 1.0%		
Power factor	> 0.9		



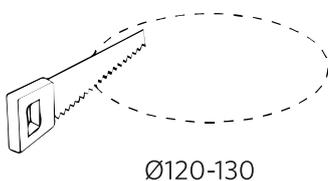
Dimensional Drawing (mm)



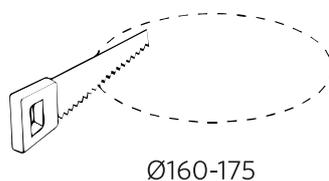
Type	A	B	C
20W	171	145	40
35W	203	180	40

Type	A	B	C
On/Off 20W	134	51	24
On/Off 35W	160	56	27
DALI	180	51	31
BLE2	180	51	31
1-10V	180	51	31

Installation Opening Drawing (mm)



Ø120-130



Ø160-175



Slim Spot EcoMax

- Stylish, and super slim spot with only 31mm height
- Excellent color rendering with CRI90
- Integrated CCT switch for color selection (2700K-3000K-4000K)
- External flicker free driver
- Triac dimming version in 7W
- Universal cut-out of 68mm



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
On-Off							
541003767400	LEDspotRA-Slim-E 5W-927/930/940-AL	Halogen 50W	5	525	105	2.7K/3K/4K	0.14
541003767200	LEDspotRA-Slim-E 5W-927/930/940-WH	Halogen 50W	5	525	105	2.7K/3K/4K	0.14
541003767300	LEDspotRA-Slim-E 5W-927/930/940-BL	Halogen 50W	5	525	105	2.7K/3K/4K	0.14
Dimmable (Triac)							
541003767700	LEDspotRA-Slim-E 7W-927/930/940-DIM-AL	Halogen 50W	7	735	105	2.7K/3K/4K	0.14
541003767500	LEDspotRA-Slim-E 7W-927/930/940-DIM-WH	Halogen 50W	7	735	105	2.7K/3K/4K	0.14
541003767600	LEDspotRA-Slim-E 7W-927/930/940-DIM-BL	Halogen 50W	7	735	105	2.7K/3K/4K	0.14

Technical Specifications	
Lifetime (L70)	50,000 h
Lifetime (L80)	30,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	On-Off / Triac
Beam angle	36°
Maximum tilt angle	25°
Finishing	Brushed Aluminum / Matte White / Matte Black
Ingress Protection (IP)	IP20
Impact strength (IK)	IK02
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 1%
Power factor	> 0.9

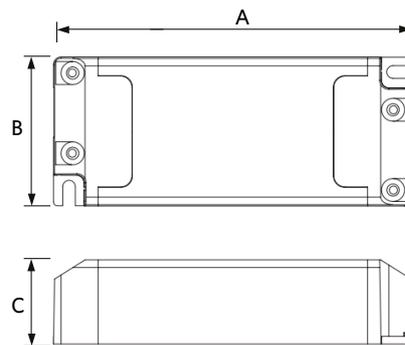
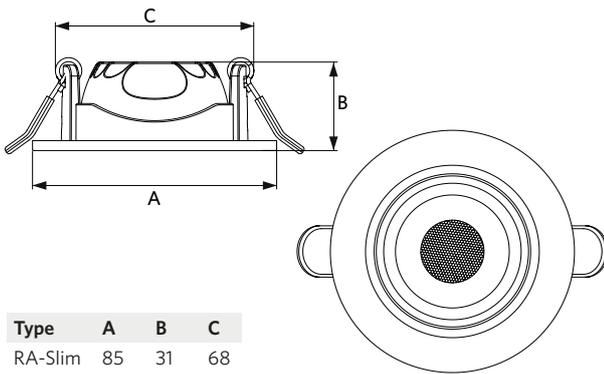
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications
230V Cable length	0.3 m

Mechanical Properties	
Housing material	Aluminium
Optical material	Polycarbonate

Ambient Conditions	
Operating temperature	-10 - 40°C
Application temperature	25°C
Storage environment	-25 - 50°C

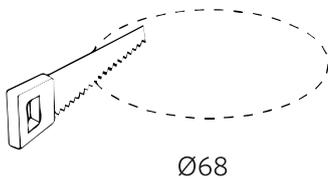


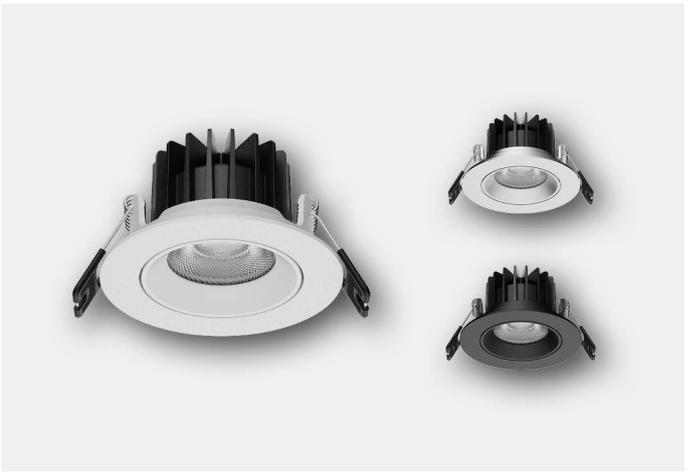
Dimensional Drawing (mm)



Type	A	B	C
On-Off	93	39	22
Dim	93	39	22

Installation Opening Drawing (mm)





Spot Sophia

- Modern recessed LED Spot with 25° tilting angle for perfect scene setting
- Integrated CCT switch for color selection (2700K/3000K/4000K)
- High Efficacy up to 90 lm/W with 900 lm light output
- 36° beam angle for precise accent lighting
- Available in matte white (WH), aluminium (AL) and black (BL) finishes
- Exchangeable reflector for easy customization



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	CRI	Finishing	Net Weight (kg/pc)
Dim									
540001480600	LEDSpotRA-Sophia 10W-DIM-927/940-36D-WH	Halogen 100W	10	900	95	2.7K/3K/4K	> 90	□	0.29
540001480700	LEDSpotRA-Sophia 10W-DIM-927/940-36D-BL	Halogen 100W	10	900	95	2.7K/3K/4K	> 90	■	0.29
540001480800	LEDSpotRA-Sophia 10W-DIM-927/940-36D-AL	Halogen 100W	10	900	95	2.7K/3K/4K	> 90	■	0.29
DALI2									
540001480000	LEDSpotRA-Sophia 10W-DALI-927/940-36D-WH	Halogen 100W	10	900	95	2.7K/3K/4K	> 90	□	0.29
540001480100	LEDSpotRA-Sophia 10W-DALI-927/940-36D-BL	Halogen 100W	10	900	95	2.7K/3K/4K	> 90	■	0.29
540001480200	LEDSpotRA-Sophia 10W-DALI-927/940-36D-AL	Halogen 100W	10	900	95	2.7K/3K/4K	> 90	■	0.29

Accessories



540001481200
LEDSpotRA Rd68-Front-Ring-WH



540001481300
LEDSpotRA Rd68-Front-Ring-BL



540001481400
LEDSpotRA Rd68-Front-Ring-AL



540001481500
LEDSpotRA Reflector-24D

Technical Specifications	
Lifetime (L70)	70,000 h
Lifetime (L80)	50,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	Triac / DALI2
Beam angle	36°
Maximum tilt angle	25°
Finishing	Matte White / Matte Black / Aluminium
Ingress protection recessed part (IP)	IP20
Impact strength (IK)	IK03
Protection class	II
Risk group (EN 62471)	RG1
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 1%

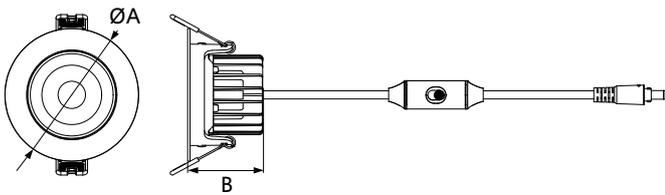
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Aluminium

Ambient Conditions	
Operating temperature	-10 ~ 45°C
Application temperature	25°C
Storage environment	-25 ~ 50°C



Dimensional Drawing (mm)



Type	A	B
11W	85	48



Spot Ava G2

- Modern recessed LED Spot with 25° tilting angle for perfect scene setting
- Standard fully IP44, ideal for damp applications like bathrooms
- Improved Efficacy up to 77lm/W with highest light output up to 520lm
- Beam angle of 30° provides an accent lighting effect
- Comforting warm white light tone (2700K) perfect for creating cozy ambience
- Available in matte white (WH), brushed aluminium (BA) and black (BL) finishes



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
Dimmable (Triac)							
541003207300	LEDSpotRA-Ava-E2 5W-Dim-2700-30D-BA	Halogen 35W	5	385	77	2700	0.22
541003207100	LEDSpotRA-Ava-E2 5W-Dim-2700-30D-WH	Halogen 35W	5	385	77	2700	0.22
541003538200	LEDSpotRA-Ava-E2 5W-Dim-2700-30D-BL	Halogen 35W	5	385	77	2700	0.22
541003207700	LEDSpotRA-Ava-E2 7W-Dim-2700-30D-BA	Halogen 50W	7	520	74	2700	0.22
541003207500	LEDSpotRA-Ava-E2 7W-Dim-2700-30D-WH	Halogen 50W	7	520	74	2700	0.22
541003538400	LEDSpotRA-Ava-E2 7W-Dim-2700-30D-BL	Halogen 50W	7	520	74	2700	0.22

Accessories

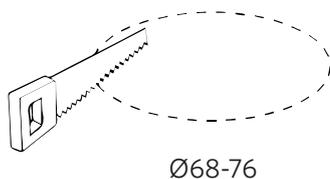


821017003600
LED Smart-BLE2-Relay-
250W-DIM



542098030700
Junction-Box-WH

Installation Opening Drawing (mm)



Technical Specifications	
Lifetime (L70)	50,000 h
Lifetime (L80)	30,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4.0
Dimmability	Triac
Beam angle	30°
Maximum tilt angle	25°
Finishing	Brushed Aluminum / Matte White / Matte Black
Colour rendering index (CRI)	> 80
Ingress Protection (IP)	IP44
Impact strength (IK)	IK02
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	750°C
Driver failure rate (at 5,000 hrs)	< 0.5%
Power factor	> 0.9

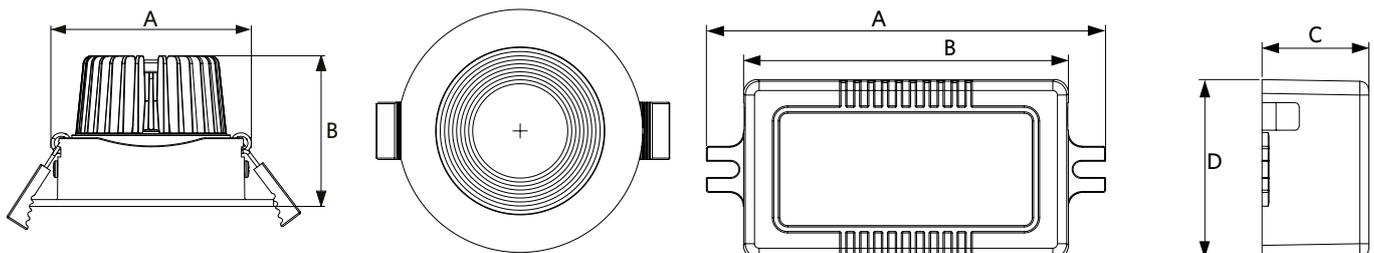
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications
230V Cable length	0.3 m

Mechanical Properties	
Housing material	Aluminium
Optical material	Polycarbonate

Ambient Conditions	
Operating temperature	-10 - 45°C
Application temperature	25°C
Storage environment	-25 - 50°C



Dimensional Drawing (mm)



Type	A	B
5W & 7W	68	53

A	B	C	D
86	70	23	39

Product Highlights





Spot Chiara

- Recessed LED spot with 25° tilting angle
- Clean beam thanks to newly designed micro faceted reflector
- Light free of multiple shadows for professional accent lighting
- Available in 2700K, 3000K and 4000K
- Universal cut-out of 68mm
- IP44 on the light emitting side
- Available in matte white (WH) and brushed aluminium (AL) finishes
- Upgraded 9W version with Triac dimming and high CRI



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	CRI	Net Weight (kg/pc)
On-Off								
541003410800	LEDSpotRA-Chiara-E 6W-827-36D-AL	Halogen 35W	6	450	75	2700	> 80	0.085
541003414200	LEDSpotRA-Chiara-E 6W-830-36D-AL	Halogen 35W	6	450	75	3000	> 80	0.085
541003411000	LEDSpotRA-Chiara-E 6W-840-36D-AL	Halogen 35W	6	480	80	4000	> 80	0.085
541003410900	LEDSpotRA-Chiara-E 6W-827-36D-WH	Halogen 35W	6	450	75	2700	> 80	0.085
541003414300	LEDSpotRA-Chiara-E 6W-830-36D-WH	Halogen 35W	6	450	75	3000	> 80	0.085
541003411100	LEDSpotRA-Chiara-E 6W-840-36D-WH	Halogen 35W	6	480	80	4000	> 80	0.085
Dimmable (Triac)								
541003589000	LEDSpotRA-Chiara-E 9W-DIM-927-36D-AL	Halogen 50W	9	675	75	2700	> 90	0.12
541003589200	LEDSpotRA-Chiara-E 9W-DIM-930-36D-AL	Halogen 50W	9	675	75	3000	> 90	0.12
541003589400	LEDSpotRA-Chiara-E 9W-DIM-940-36D-AL	Halogen 50W	9	720	80	4000	> 90	0.12
541003589100	LEDSpotRA-Chiara-E 9W-DIM-927-36D-WH	Halogen 50W	9	675	75	2700	> 90	0.12
541003589300	LEDSpotRA-Chiara-E 9W-DIM-930-36D-WH	Halogen 50W	9	675	75	3000	> 90	0.12
541003589500	LEDSpotRA-Chiara-E 9W-DIM-940-36D-WH	Halogen 50W	9	720	80	4000	> 90	0.12

Accessories



821017003600
LED Smart-BLE2-Relay-
250W-DIM



542098030700
Junction-Box-WH

Technical Specifications

Lifetime (L70)	50,000 h
Lifetime (L80)	30,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4.0
Dimmability	On-Off / Triac
Beam angle	36°
Maximum tilt angle	25°
Finishing	Brushed Aluminum / Matte White
Ingress protection front side (IP)	IP44
Ingress protection recessed part (IP)	IP20
Impact strength (IK)	IK02
Protection class	II
Risk group (EN 62471)	RG1
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 1.0%
Displacement factor (DF)	0.9

Electrical Supply

Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	No / See catalogue appendix Connection Specifications
230V Cable length	0.3 m

Mechanical Properties

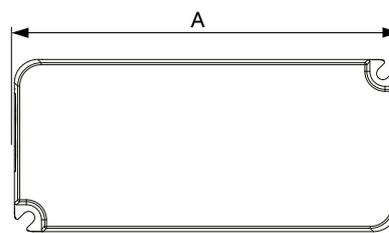
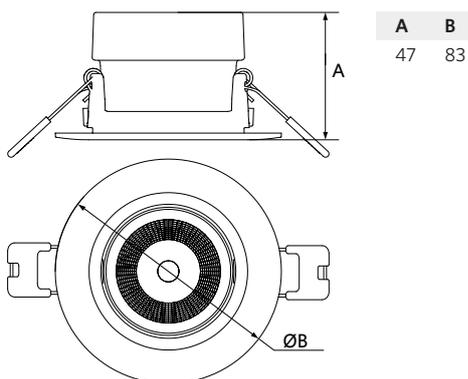
Housing material	Plastic
Optical material	Polycarbonate

Ambient Conditions

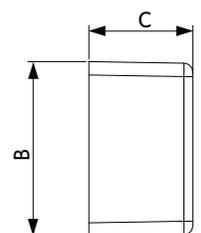
Operating temperature	-10 ~ 40°C
Application temperature	25°C
Storage environment	-25 ~ 50°C



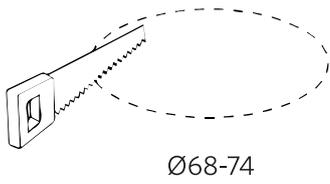
Dimensional Drawing (mm)



A	B	C
98	48	25



Installation Opening Drawing (mm)



Product Highlights







Emergency Lighting Spot

- De-centralized emergency spotlight with Auto-Test and DALI2 versions
- Standard equipped with lenses for oval and round light distributions
- Versions with built-in driver or external driver available
- Standard with 3 hour emergency kit with LiFePO4 battery to achieve long lifetime
- Accessories available for different mounting methods



Specifications

Item Code	Item Description	Power (W)	Lumen	CCT (K)	Finishing	Net Weight (kg/pc)
Emergency kit 3 hour/Auto-Testing						
572005000100	LEDEM-Spot-E Rd55-3W-AT-AS/W-EM3-WH	3	260	6500	□	0.38
572005000200	LEDEM-Spot-E Rd55-3W-AT-AS/W-EM3-BL	3	260	6500	■	0.38
572005001100	LEDEM-Spot-E Rd140-3W-AT-AS/W-EM3-WH	3	260	6500	□	0.4
572005001200	LEDEM-Spot-E Rd140-3W-AT-AS/W-EM3-BL	3	260	6500	■	0.4
Emergency kit 3 hour/DALI2						
572005000300	LEDEM-Spot-E Rd55-3W-DALI-AS/W-EM3-WH	3	260	6500	□	0.38
572005000400	LEDEM-Spot-E Rd55-3W-DALI-AS/W-EM3-BL	3	260	6500	■	0.38
572005001300	LEDEM-Spot-E Rd140-3W-DALI-AS/W-EM3-WH	3	260	6500	□	0.4
572005001400	LEDEM-Spot-E Rd140-3W-DALI-AS/W-EM3-BL	3	260	6500	■	0.4

Accessories



The adapter rings are only compatible for products with a diameter of 55mm (Rd55)

The front covers and surface modules are only compatible for products with a diameter of 140mm (Rd140)

Technical Specifications

Lifetime (L70)	70,000 h
Ingress Protection (IP)	IP20
Protection class	II
Power factor	> 0.3

Electrical Supply

Frequency	50 - 60 Hz
Nominal voltage	200 - 240 V
Battery voltage	6.4 V

Mechanical Properties

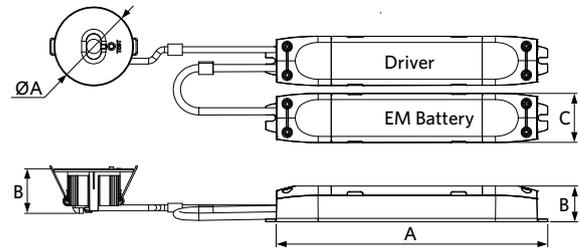
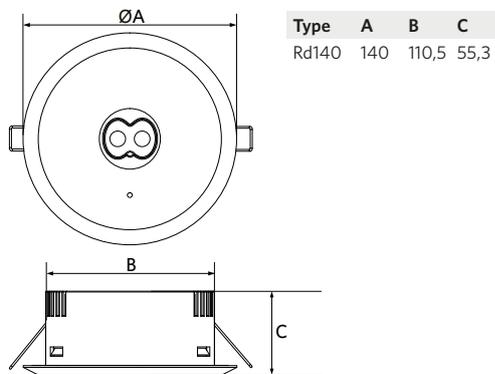
Housing material	Polycarbonate
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Ambient Conditions

Operating temperature	0 - 45°C
Application temperature	25°C
Storage environment	0 - 60°C

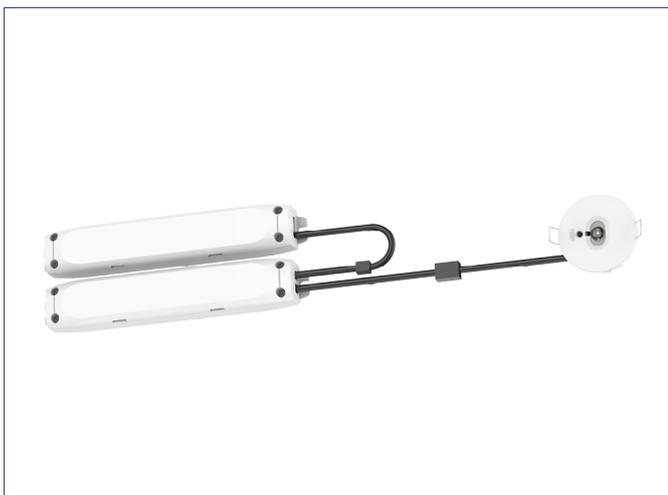


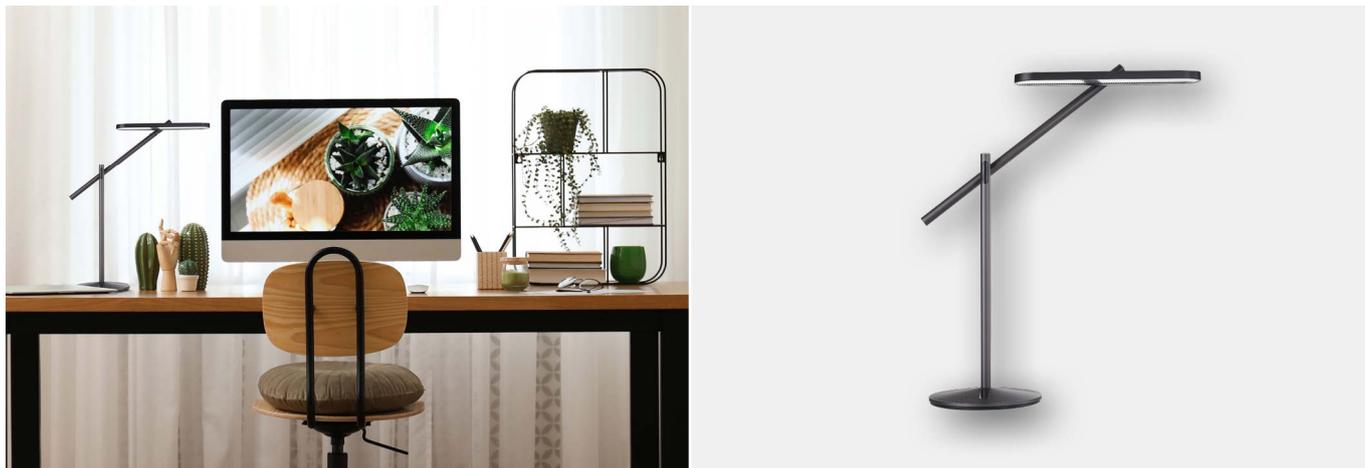
Dimensional Drawing (mm)



Type	A	B	C
Rd55	55	32	-
Driver	196	25	34,4
EM battery	196	25	34,4

Product Highlights





Desk Lamp Balance

- Stylish design desk lamp with 320-degree rotation
- Advanced optics with wider illumination area and higher uniformity
- Forward light design, no shadow in front of the hands
- Touch-button control for dimming and scene/CCT change
- Daylight control sensor, automatically optimizes the light



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
Dim							
523003012900	LEDBalance-P 14W-DIM-830/840/850	Halogen 125W	14	840	60	3K/4K/5K	1.47

Technical Specifications	
Lifetime (L70)	50,000 h
Lifetime (L80)	30,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	Touch Dim
Beam angle	120°
Finishing	Pantone 8602C
Colour rendering index (CRI)	> 80
Protection class	II
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 1%

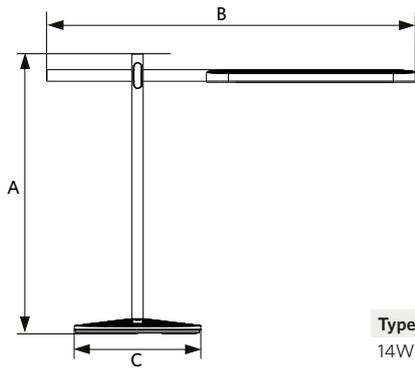
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	No
230V Cable length	1.8 m

Mechanical Properties	
Housing material	Aluminium
Optical material	Polycarbonate

Ambient Conditions	
Operating temperature	-10 - 40°C
Application temperature	25°C
Storage environment	-25 - 50°C

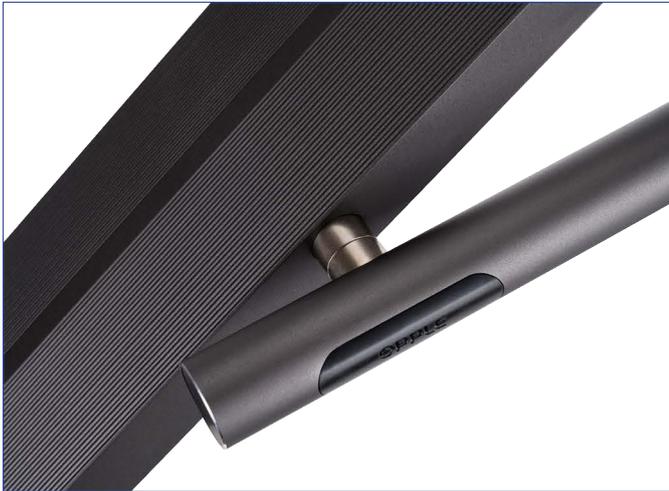


Dimensional Drawing (mm)



Type	A	B	C
14W	440	570	196

Product Highlights





Desk lamp Sparrow

- Modern design desk lamp with comfortable light
- Touch-button control for dimming and CCT-change
- Professional anti-glare, honeycomb lens
- Indirect background lighting for increased comfort
- Various scenes/features to enhance ease of use



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
Dim							
523003011600	LEDSparrow-E 15W-DIM-830/840/850	Halogen 125W	15	1000	66	3K/4K/5K	0.7

Technical Specifications	
Lifetime (L70)	50,000 h
Lifetime (L80)	30,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	Touch Dim
Beam angle	140°
RAL-Number	□ 9003
Colour rendering index (CRI)	> 80
Protection class	II
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 1%

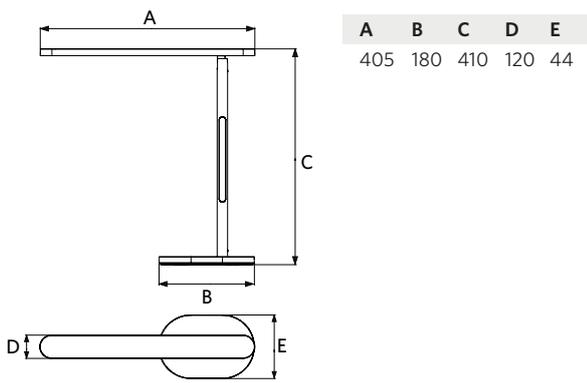
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	No
230V Cable length	1.8 m

Mechanical Properties	
Housing material	Aluminium
Optical material	Polycarbonate

Ambient Conditions	
Operating temperature	-10 - 45°C
Application temperature	25°C
Storage environment	-25 - 50°C



Dimensional Drawing (mm)



Product Highlights





Fanlight

- Elegant combination of ceiling fan and luminaire
- High-quality, ultra-quiet motor
- Automatically retractable fan blades
- Dimmable with multi-CCT via remote
- Six adjustable fan speeds
- Reversible airflow for year-round use



Specifications

Item Code	Item Description	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Sound level (dB)	Volume flow (m3/min)	Net Weight (kg/pc)
On-Off									
525006003700	LEDFanlight-E Rd434-27+36W-830/840/857	63	3000	111	3K/4K/5.7K	120°	32 - 52	190	4.3
525006003800	LEDFanlight-E Rd510-45+40W-830/840/857	85	5000	111	3K/4K/5.7K	120°	32 - 52	220	5.54

Technical Specifications	
Lifetime (L70)	50,000 h
Lifetime (L80)	30,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	STEP
RAL-Number	9016
Colour rendering index (CRI)	> 80
Ingress Protection (IP)	IP20
Ingress protection front side (IP)	IP40
Impact strength (IK)	IK02
Protection class	I
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 0.05%
Power factor	> 0.9

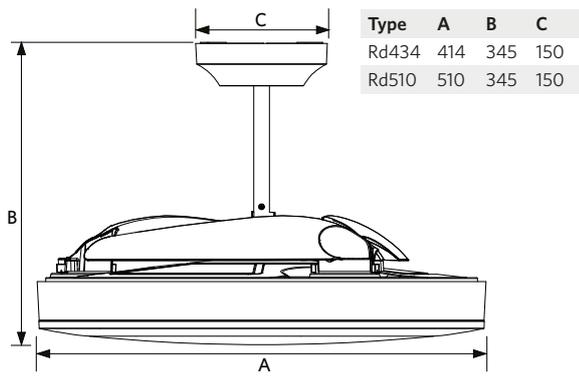
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V

Mechanical Properties	
Housing material	Aluminium
Cover material	PMMA

Ambient Conditions	
Operating temperature	-10 ~ 45°C
Application temperature	25°C
Storage environment	-25 ~ 50°C

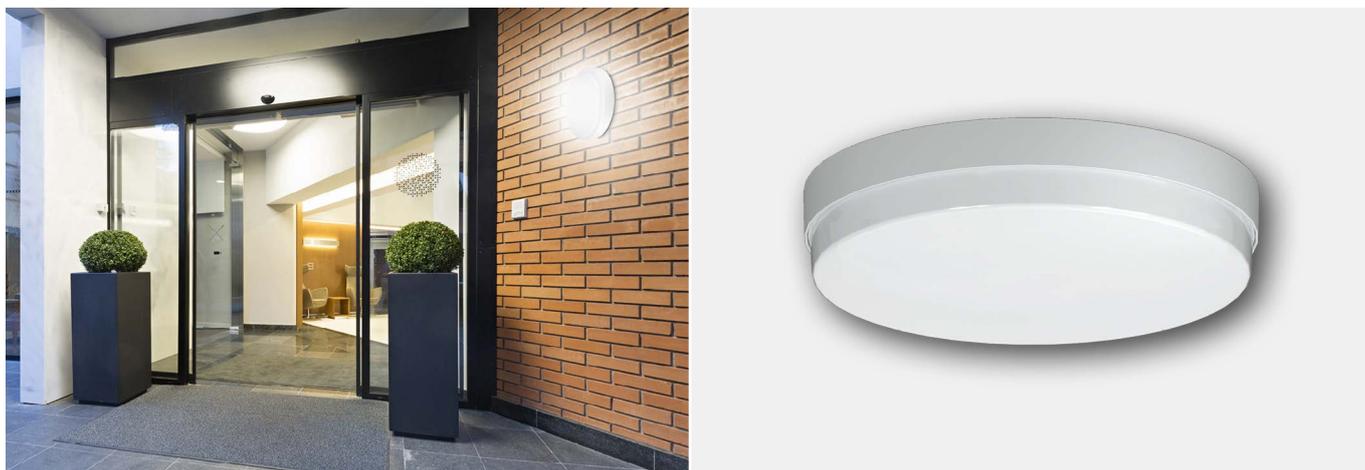


Dimensional Drawing (mm)



Product Highlights





Wall-Mounted Performer G2

- Robust, waterproof IP65 luminaire with high impact protection (IK10)
- Flexible due to integrated power switch
- DALI2 and Smart Lighting (BLE2) versions available
- MD-versions with 2-step dimming (movement always necessary for switching on luminaire)
- One Wall-Mounted with sensor (MD) can control up to 9 Wall-Mounted fixtures
- 3 hour emergency kit versions with auto-test functionality available (EM3)
- Integrated CCT switch for color selection (3000K-4000K)
- Easy to install due to through-wiring possibility
- Suitable for both indoor and outdoor applications



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Sensor	Net Weight (kg/pc)
On-Off								
531002003100	LEDWM-P2 Rd320-14/19W-830/840	CFL 2x26W	14 - 19	1960 - 2660	140	3K/4K	No	0.978
Motion Detection/Daylight Detection								
531002003500	LEDWM-P2 Rd320-14/19W-830/840-MD	CFL 2x26W	14 - 19	1960 - 2660	140	3K/4K	Yes	1.149
DALI2								
531002003300	LEDWM-P2 Rd320-19W-DALI-830/840	CFL 2x26W	19	2660	140	3K/4K	No	1.098
Smart								
531002003400	LEDWM-P2 Rd320-19W-BLE2-830/840	CFL 2x26W	19	2660	140	3K/4K	No	1.098
Emergency kit 3 hour/On-Off								
531002003200	LEDWM-P2 Rd320-14/19W-830/840-EM3	CFL 2x26W	14 - 19	1960 - 2660	140	3K/4K	No	1.052
Emergency kit 3 hour/Motion Detection/Daylight Detection								
531002003600	LEDWM-P2 Rd320-14/19W-830/840-MD-EM3	CFL 2x26W	14 - 19	1960 - 2660	140	3K/4K	Yes	1.223
Emergency kit 3 hour/DALI2								
531002002400	LEDWM-P2 Rd320-19W-DALI-830/840-EM3	CFL 2x26W	19	2660	140	3K/4K	No	1.269
Emergency kit 3 hour/Smart								
531002002500	LEDWM-P2 Rd320-19W-BLE2-830/840-EM3	CFL 2x26W	19	2660	140	3K/4K	No	1.269

Technical Specifications	
Lifetime (L70)	100,000 h
Lifetime (L80)	70,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	On-Off / Sensor controlled (MD) / DALI2 / BLE2
Sensor type	No sensor / Motion + Daylight detection (MD)
Sensor technology	No sensor / Microwave (MW)
Finishing	White RAL9003
RAL-Number	□ 9003
Colour rendering index (CRI)	> 80
Ingress Protection (IP)	IP65
Impact strength (IK)	IK10
Protection class	II
Risk group (EN 62471)	RG1
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 0.05%
Power factor	> 0.9

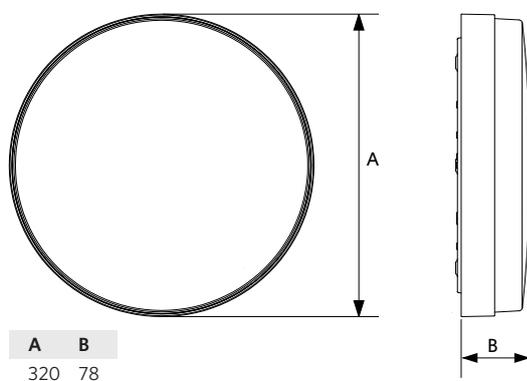
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications / No

Mechanical Properties	
Housing material	Polycarbonate
Optical material	Polycarbonate

Ambient Conditions	
Operating temperature	-20 - 50°C
Operating temperature (MD)	-30 - 50°C
Operating temperature (EM)	0 - 50°C
Application temperature	25°C
Storage environment	-30 - 60,-20 - 40°C
Storage environment (EM)	0 - 60°C



Dimensional Drawing (mm)





Wall-Mounted EcoMax G2

- Stylish, compact and sturdy wall mounted fixture (IP54+IK08)
- Smart (BLE2) versions available
- Easy wiring with through-wiring possibility
- Integrated CCT switch for color selection (3000K-4000K)
- MD-versions with 2-step dimming (movement always necessary for switching on luminaire)
- 3hr emergency available with auto-test functionality (EM-version)



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Sensor	Net Weight (kg/pc)
On-Off								
522020001800	LEDWall-Mounted-E2 Rd275-14W	CFL 2x18W	14	1700	120	3K/4K	No	0.7
522020001600	LEDWall-Mounted-E2 Rd275-22W	CFL 2x26W	22	2500	115	3K/4K	No	0.7
Motion Detection/Daylight Detection								
522020001700	LEDWall-Mounted-E2 Rd275-14W-MD	CFL 2x18W	14	1700	120	3K/4K	Yes	0.76
522020001500	LEDWall-Mounted-E2 Rd275-22W-MD	CFL 2x26W	22	2500	115	3K/4K	Yes	0.76
Smart								
715000008700	LEDWall-Mounted-E2 Rd275-22W-BLE2	CFL 2x26W	22	2500	115	3K/4K	No	0.7
Emergency kit 3 hour/On-Off								
522020001400	LEDWall-Mounted-E2 Rd275-14W-EM3	CFL 2x18W	14	1700	120	3K/4K	No	0.8
522020001200	LEDWall-Mounted-E2 Rd275-22W-EM3	CFL 2x26W	22	2500	115	3K/4K	No	0.8
Emergency kit 3 hour/Motion Detection/Daylight Detection								
522020001300	LEDWall-Mounted-E2 Rd275-14W-MD-EM3	CFL 2x18W	14	1700	120	3K/4K	Yes	0.86
522020001100	LEDWall-Mounted-E2 Rd275-22W-MD-EM3	CFL 2x26W	22	2500	115	3K/4K	Yes	0.86
Emergency kit 3 hour/Smart								
715000008800	LEDWall-Mounted-E2 Rd275-22W-BLE2-EM3	CFL 2x26W	22	2500	115	3K/4K	No	0.8

Technical Specifications	
Lifetime (L70)	50,000 h
Lifetime (L80)	30,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	On-Off / Sensor controlled (MD) / BLE2
Sensor type	No sensor / Motion + Daylight detection (MD)
Sensor technology	No sensor / Microwave (MW)
Finishing	White RAL9016
Colour rendering index (CRI)	> 80
Ingress Protection (IP)	IP54
Impact strength (IK)	IK08
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	850°C
Driver failure rate (at 5,000 hrs)	< 0.5%
Power factor	> 0.9

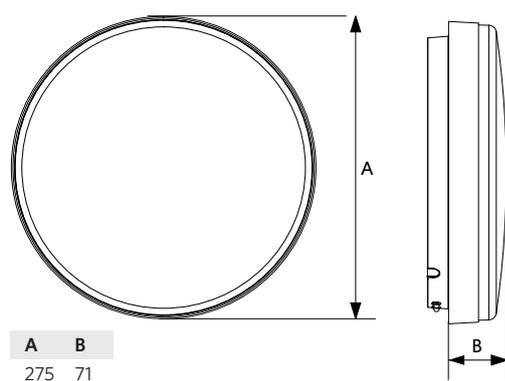
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	No

Mechanical Properties	
Housing material	Polycarbonate
Optical material	Polycarbonate

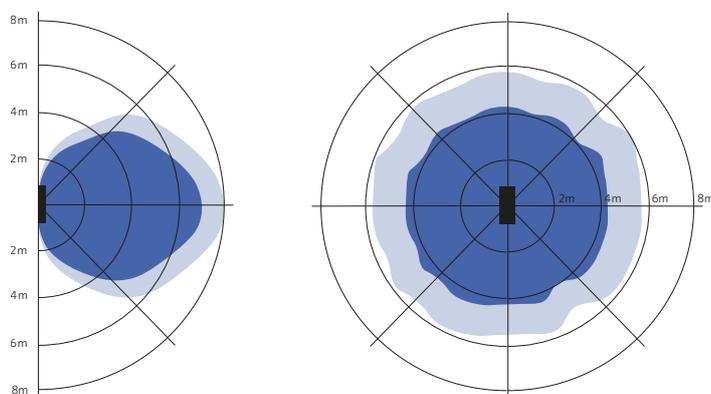
Ambient Conditions	
Operating temperature	-20 - 45°C
Operating temperature (EM)	0 - 45°C
Application temperature	25°C
Storage environment	-30 - 60°C
Storage environment (EM)	-20 - 25°C



Dimensional Drawing (mm)

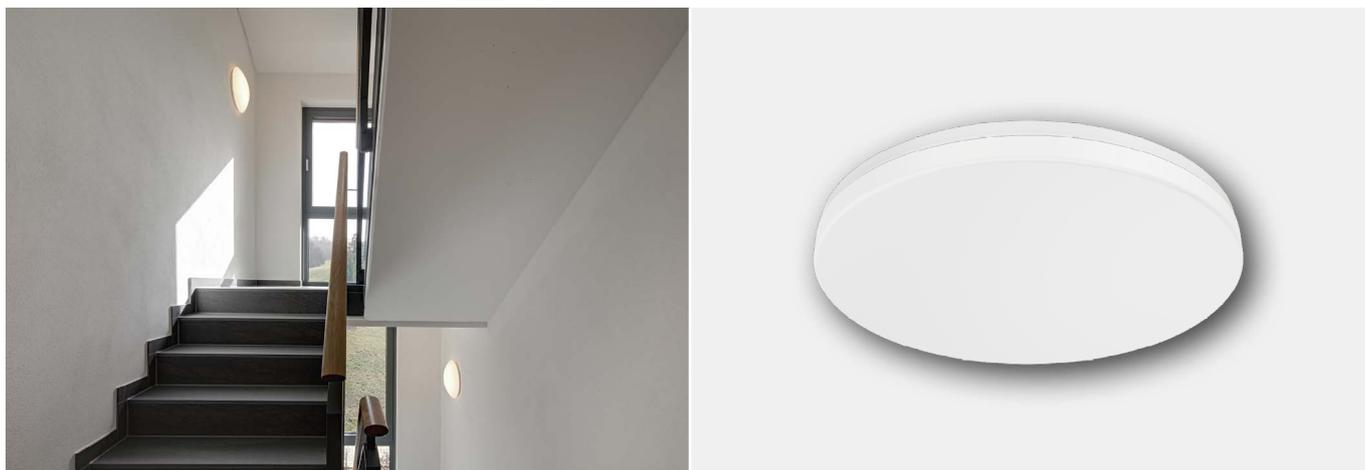


Motion Sensors



Installation - Wall mounted
Suggested installation height 1-3m

Installation - Ceiling mounted
Suggested installation height 2.5-6m



Ceiling Light Apollo G4

- Elegant wall/ceiling luminaire with improved design
- Available with Motion sensor (MD)
- Flexible due to CCT switch and Power switch
- IP44 waterproof, also suitable for bathrooms and comparable spaces
- Bracket accessory available for easy mounting on existing installations (no new screw holes needed)
- 3 different sizes: 250/350/450mm



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	IP	Net Weight (kg/pc)
Dimmable (Triac)								
520033017400	LEDApollo-E4 Rd250-6/12W-DIM-827/840	GLS 75W	6 - 12	600 - 1200	100	2.7K/3K/4K	IP44	0.4
520033017500	LEDApollo-E4 Rd350-8/16W-DIM-827/840	GLS 100W	8 - 16	800 - 1600	100	2.7K/3K/4K	IP44	0.8
520034068200	LEDApollo-E4 Rd450-11/22W-DIM-827/840	GLS 100W	11 - 22	1100 - 2200	100	2.7K/3K/4K	IP44	1.3
Dimmable (Triac)/Motion Detection/Daylight Detection								
520033017600	LEDApollo-E4 Rd250-6/12W-DIM-827/840-MD	GLS 75W	6 - 12	600 - 1200	100	2.7K/3K/4K	IP44	0.4
520033017700	LEDApollo-E4 Rd350-8/16W-DIM-827/840-MD	GLS 100W	8 - 16	800 - 1600	100	2.7K/3K/4K	IP44	0.8
520034068300	LEDApollo-E4 Rd450-11/22W-DIM-827/840-MD	GLS 100W	11 - 22	1100 - 2200	100	2.7K/3K/4K	IP44	1.3

Accessories



520098000200
LED Apollo HC300 bracket

Sensor only for use without dimmer. Sensor range 12m.
Hc300 bracket is suitable for Rd250 versions, and is sold per 2 units. Hc350 bracket is suitable for Rd350 and Rd450 versions, and is sold per 3 units.

Technical Specifications	
Lifetime (L70)	50,000 h
Lifetime (L80)	30,000 h
On-/Off-cycles	100,000
Dimmability	Triac
Sensor type	No sensor / Motion + Daylight detection (MD)
Sensor technology	No sensor / Microwave (MW)
Beam angle	120°
Finishing	White RAL9003
RAL-Number	□ 9003
Colour rendering index (CRI)	> 80
Ingress Protection (IP)	IP44
Impact strength (IK)	IK02
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Power factor	> 0.85 / 0.9

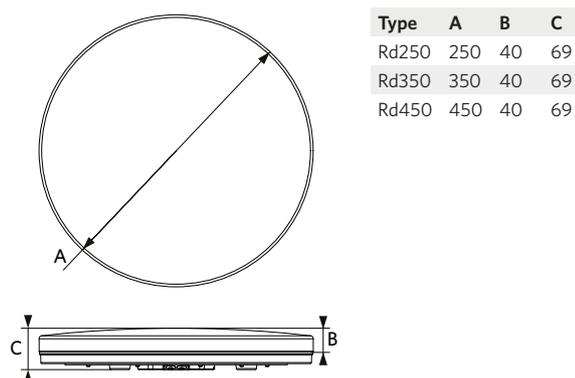
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Plastic
Optical material	Polycarbonate

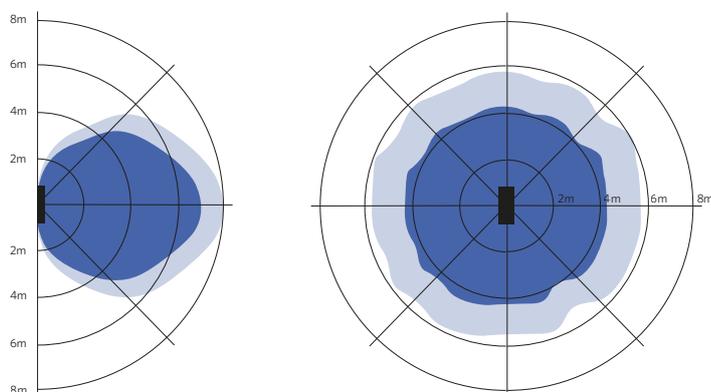
Ambient Conditions	
Operating temperature	-10 - 45°C
Application temperature	25°C
Storage environment	-25 - 50°C



Dimensional Drawing (mm)



Motion Sensors



Installation - Wall mounted
Suggested installation height 1-3m

Installation - Ceiling mounted
Suggested installation height 2.5-6m



Porchlight EcoMax G2

- Easy solution for replacing and renovating existing solutions
- Flexibility due to 3000/4000K CCT switch and 3/5W power switch
- Improved Efficacy up to 120 lm/W
- IP65 and high IK10 impact resistance for outdoor application
- Master Porchlight with integrated motion and daylight sensor (MD-versions), able to control up to 10 non-MD Porchlight fixtures
- Detection range, hold time and daylight sensor settings can be easily customized via DIP switch



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Sensor	Net Weight (kg/pc)
On-Off								
531000019500	LEDPorch-E2-Re120-3/5W-830/840	TL 8W	3 - 5	360 - 600	120	3K/4K	No	0.8
Motion Detection/Daylight Detection								
531000019600	LEDPorch-E2-Re120-3/5W-830/840-MD	TL 8W	3 - 5	360 - 600	120	3K/4K	Yes	0.85
Emergency kit 3 hour/On-Off								
531000019700	LEDPorch-E2-Re120-3/5W-830/840-EM3	TL 8W	3 - 5	360 - 600	120	3K/4K	No	1
Emergency kit 3 hour/Motion Detection/Daylight Detection								
531000019800	LEDPorch-E2-Re120-3/5W-830/840-MD-EM3	TL 8W	3 - 5	360 - 600	120	3K/4K	Yes	1.05

Technical Specifications	
Lifetime (L70)	70,000 h
Lifetime (L80)	50,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	On-Off / Sensor controlled (MD)
Sensor type	No sensor / Motion + Daylight detection (MD)
Sensor technology	No sensor / Microwave (MW)
RAL-Number	□ 9003
Colour rendering index (CRI)	> 80
Ingress Protection (IP)	IP65
Impact strength (IK)	IK10
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 1%
Power factor	> 0.9

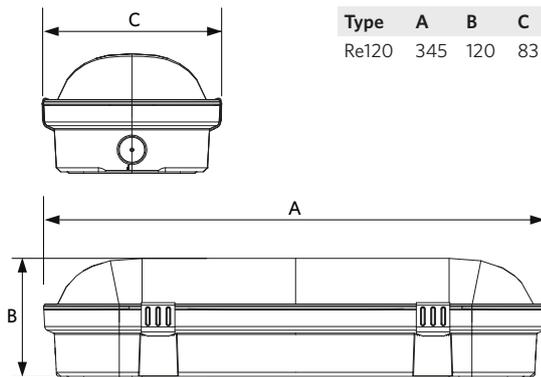
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Polycarbonate
Optical material	Polycarbonate

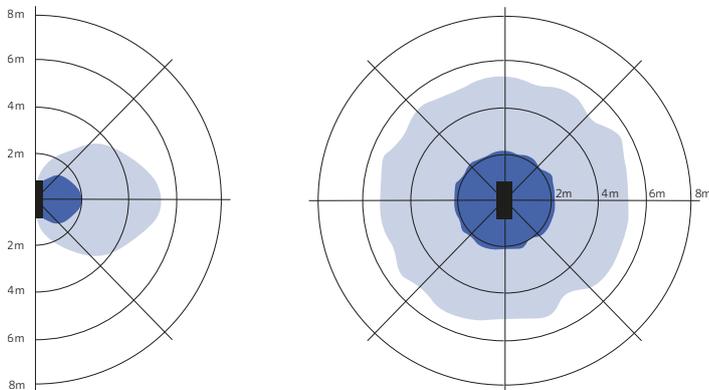
Ambient Conditions	
Operating temperature	-30 - 50°C
Operating temperature (MD)	-30 - 50°C
Operating temperature (EM)	0 - 45°C
Application temperature	25°C
Storage environment	-30 - 60°C
Storage environment (EM)	-20 - 25°C



Dimensional Drawing (mm)

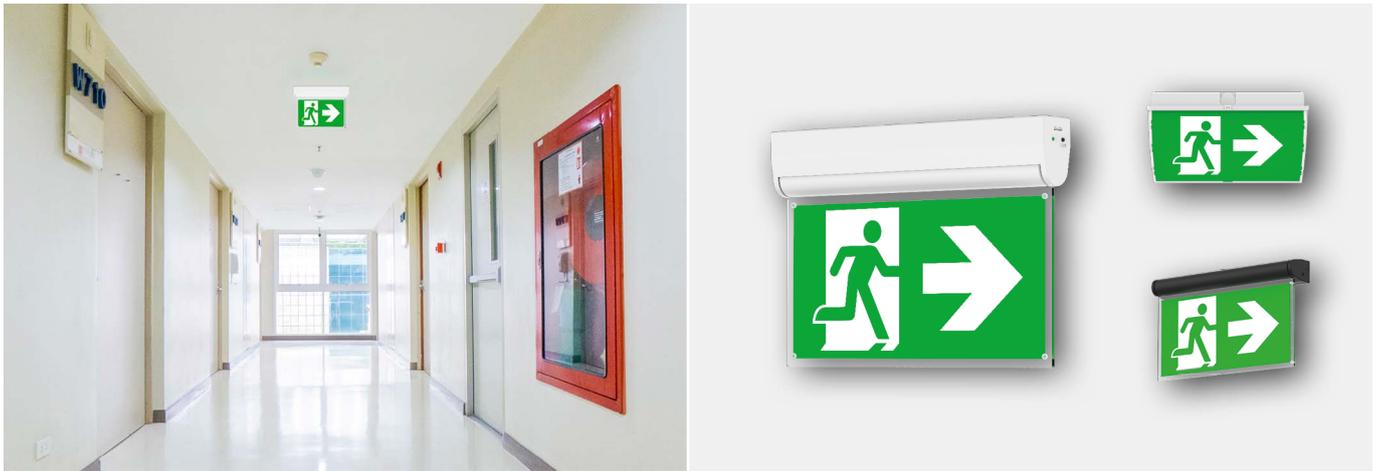


Motion Sensors



Installation - Wall mounted
Suggested installation height 1-3m

Installation - Ceiling mounted
Suggested installation height 2.5-5m



Emergency Exit Sign

- Easily update signage with interchangeable pictograms included in the package
- Available in de-centralized Auto-Test and DALI2 versions for enhanced functionality
- Suitable for both IP20 and IP65-rated applications, ensuring compatibility with various environments
- Offered in single or double-face configurations with 30-meter visibility
- Equipped with a high-performance LiFePO4 battery, providing 3 hours of reliable operation
- Includes a range of accessories to support diverse mounting methods



Specifications

Item Code	Item Description	Power (W)	Lumen	CCT (K)	Viewing distance (m)	Finishing	Net Weight (kg/pc)
Emergency kit 3 hour/Auto-Testing							
572005002000	LEDExit-Sign-E 3W-AT-EM3-WH	3	20	6500		□	0.7
572005002100	LEDExit-Sign-E 3W-AT-EM3-BL	3	20	6500	33	■	0.7
572005003800	LEDExit-Bulkhead-E 6W-AT-EM3-WH-IP65	6	150	6500	31	□	1.1
Emergency kit 3 hour/DALI2							
572005002200	LEDExit-Sign-E 3W-DALI-EM3-WH	3	20	6500	33	□	0.7
572005002300	LEDExit-Sign-E 3W-DALI-EM3-BL	3	20	6500	33	■	0.7
572005003900	LEDExit-Bulkhead-E 6W-DALI-EM3-WH-IP65	6	150	6500	31	□	1.1

Accessories



572005002600
LEDExit-Sign-E Suspend-Kit-WH



572005002700
LEDExit-Sign-E Suspend-Kit-BL



572005002800
LEDExit-Sign-E Recessed-Kit-WH



572005002900
LEDExit-Sign-E Recessed-Kit-BL



572005004000
LEDExit-Bulkhead-E Recessed-Kit-IP65

Technical Specifications	
Lifetime (L70)	70,000 h
Ingress Protection (IP)	IP20 / IP65
Protection class	II

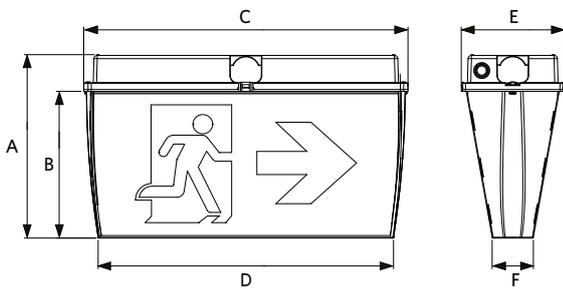
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	200 - 240 V
Battery voltage	6.4 V



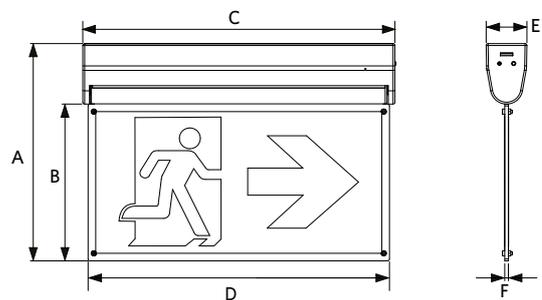
Mechanical Properties	
Housing material	Polycarbonate

Ambient Conditions	
Operating temperature	0 - 45°C
Application temperature	25°C
Storage environment	0 - 60°C

Dimensional Drawing (mm)



Type	A	B	C	D	E	F
Bulkhead	194	155	340	310	108	43



Type	A	B	C	D	E	F
Sign	230	166	328	317	43	4

Product Highlights





Linear Sport

- Premium linear luminaire designed for indoor sports lighting, delivering comfortable illumination with UGR < 21.
- Robust housing with IK10 and certified ball-proof protection.
- Standard D4i driver enables advanced energy monitoring and smart-ready functionality.
- Optional BLE2 converter kit provides effortless upgrade to wireless lighting control in the Opple smart system
- Through-wiring on both ends ensures quick and efficient installation.
- Supports multiple mounting options, including surface, suspended, and recessed installation.



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	CCT (K)	Beam angle	Net Weight (kg/pc)
DALI2/D4i							
545007006400	LEDLinear-Sport-P L15-90W-D4i-840	TL 1x80W	90	16200	4000	90°	3.3
545007006900	LEDLinear-Sport-P L15-180W-D4i-840	TL 2x80W	180	32400	4000	90°	5.4

Accessories



545007005900
LEDLinear-Sport-P Rotate-Bracket



545007006300
LEDLinear-Sport-P BLE2-Converter



545007006500
LEDLinear-Sport-P Recessed-Kit



545007006700
LEDLinear-Sport-P Suspension-Kit

Technical Specifications	
Lifetime (L70)	100,000 h
Lifetime (L80)	70,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	D4i
Finishing	White RAL9016
RAL-Number	9016
Colour rendering index (CRI)	> 80
UGR	21
Ingress Protection (IP)	IP23
Impact strength (IK)	IK10
Protection class	I
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 1%
Power factor	> 0.96 / 0.97
Surge protection (kV)	2kV

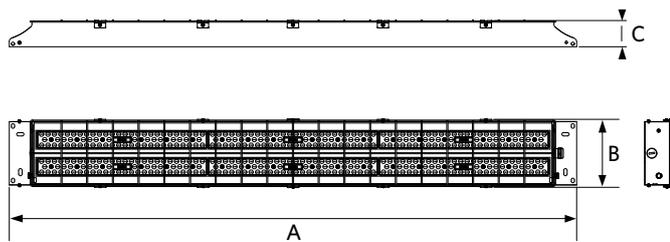
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Steel

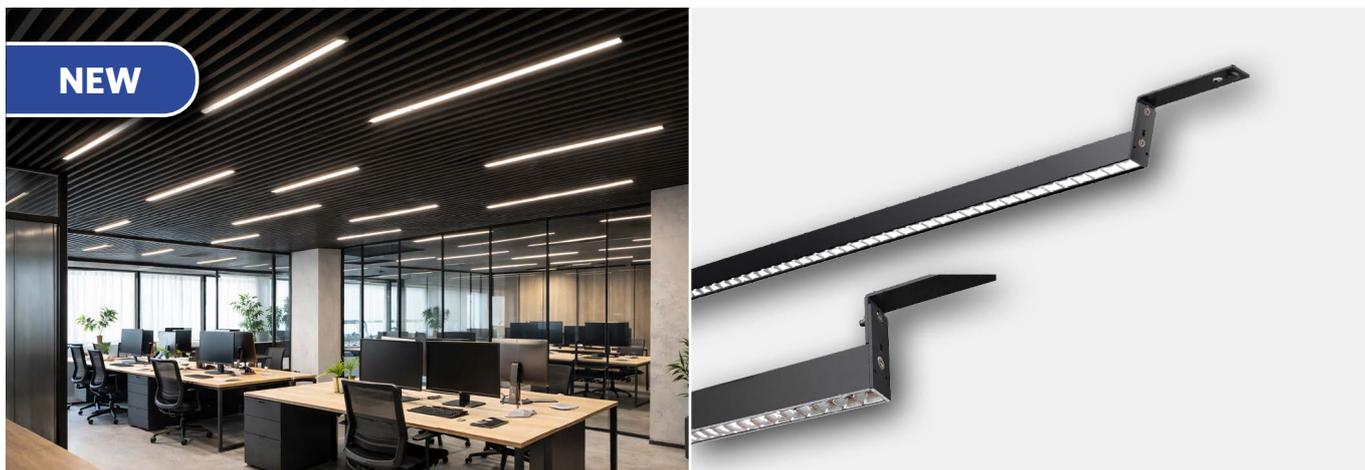
Ambient Conditions	
Operating temperature	-30 - 50°C
Application temperature	25°C
Storage environment	-30 - 60°C



Dimensional Drawing (mm)



Type	A	B	C
90W	1500	97	70
180W	1500	181	70



SAPP Ceiling Solution

- LED lighting solution for SAPP Climate ceilings
- Seamlessly integrates with SAPP climate ceilings for a clean architectural look
- Integrated CCT switch for color selection (3000K/4000K)
- Mini reflector optics deliver low-glare illumination with UGR < 19.
- High Efficacy up to 130 lm/W for energy-saving performance
- Flexible mounting bracket enables quick and easy installation
- Available with Smart Lighting (BLE2) or DALI2 dimming control.



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
DALI2							
529002238300	LEDSAPP-P L06-24W-DALI-830/840-U19	TL 1x36W	24	2880	120	3K/4K	0.83
529002238100	LEDSAPP-P L12-32W-DALI-830/840-U19	TL 1x58W	32	4150	130	3K/4K	1.12
529002237600	LEDSAPP-P L15-35W-DALI-830/840-U19	TL 1x58W	35	4550	130	3K/4K	1.2
Smart							
529002238000	LEDSAPP-P L06-24W-BLE2-830/840-U19	TL 1x36W	24	2880	120	3K/4K	0.83
529002237500	LEDSAPP-P L12-32W-BLE2-830/840-U19	TL 1x58W	32	4160	130	3K/4K	1.12
529002237900	LEDSAPP-P L15-35W-BLE2-830/840-U19	TL 1x58W	35	4550	130	3K/4K	1.2

Technical Specifications	
Lifetime (L70)	100,000 h
Lifetime (L80)	70,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	DALI2 / BLE2
Beam angle	60°
Finishing	Black RAL 9005
RAL-Number	9005
Colour rendering index (CRI)	> 80
UGR	19
Impact strength (IK)	IK03
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 1%
Power factor	> 0.9

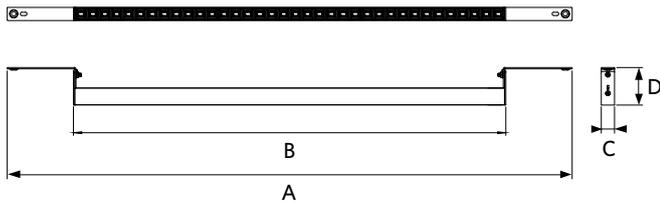
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Aluminium

Ambient Conditions	
Operating temperature	-10 ~ 45°C
Application temperature	25°C
Storage environment	-25 ~ 50°C



Dimensional Drawing (mm)



Type	A	B	C	D
L06	853	653	20	57
L12	1501	1301	20	57
L15	1717	1517	20	57



Linear EcoMax G2

- Smart Lighting (BLE2), DALI2, and Motion Detection (MD) versions available
- Easy to install LED linear solution
- Upgraded Efficacy up to 130 lm/W
- Integrated CCT switch for color selection (3000K-4000K)
- Available in 2 lumen packages in each length
- Elegant but sturdy design: IP44 and IK06
- Comfortable light due to opal diffuser
- Central or side power connection
- Motion and daylight sensor accessory available
- Perfect TL replacement



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
On-Off							
531000018900	LEDLinear-E2 L06-10/18W-830/840	TL 2x18W	10 - 18	1300 - 2340	130	3K/4K	1.8
531000019000	LEDLinear-E2 L12-22/36W-830/840	TL 2x36W	22 - 36	2860 - 4680	130	3K/4K	2.8
531000019100	LEDLinear-E2 L15-30/50W-830/840	TL 2x58W	30 - 50	3900 - 6500	130	3K/4K	3.3
Motion Detection/Daylight Detection							
531000025900	LEDLinear-E2 L06-10/18W-830/840-MD	TL 2x18W	10 - 18	1300 - 2340	130	3K/4K	1.8
531000026000	LEDLinear-E2 L12-22/36W-830/840-MD	TL 2x36W	22 - 36	2860 - 4680	130	3K/4K	2.8
531000026100	LEDLinear-E2 L15-30/50W-830/840-MD	TL 2x58W	30 - 50	3900 - 6500	130	3K/4K	3.3
DALI2							
531000026200	LEDLinear-E2 L06-18W-DALI-830/840	TL 2x18W	18	2340	130	3K/4K	1.8
531000026300	LEDLinear-E2 L12-36W-DALI-830/840	TL 2x36W	36	4680	130	3K/4K	2.8
531000026400	LEDLinear-E2 L15-50W-DALI-830/840	TL 2x58W	50	6500	130	3K/4K	3.3
Smart							
531000026500	LEDLinear-E2 L06-18W-BLE2-830/840	TL 2x18W	18	2340	130	3K/4K	1.8
531000026600	LEDLinear-E2 L12-36W-BLE2-830/840	TL 2x36W	36	4680	130	3K/4K	2.8
531000026700	LEDLinear-E2 L15-50W-BLE2-830/840	TL 2x58W	50	6500	130	3K/4K	3.3
Emergency kit 1 hour/On-Off							
531000019200	LEDLinear-E2 L06-10/18W-830/840-EM1	TL 2x18W	10 - 18	1300 - 2340	130	3K/4K	2
Emergency kit 1 hour/DALI2							
531000026800	LEDLinear-E2 L06-18W-DALI-830/840-EM1	TL 2x18W	18	2340	130	3K/4K	2.1
Emergency kit 1 hour/Smart							
531000027100	LEDLinear-E2 L06-18W-BLE2-830/840-EM1	TL 2x18W	18	2340	130	3K/4K	2.1
Emergency kit 3 hour/On-Off							
531000019300	LEDLinear-E2 L12-22/36W-830/840-EM3	TL 2x36W	22 - 36	2860 - 4680	130	3K/4K	3
531000019400	LEDLinear-E2 L15-30/50W-830/840-EM3	TL 2x58W	30 - 50	3900 - 6500	130	3K/4K	3.5

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
Emergency kit 3 hour/DALI2							
531000026900	LEDLinear-E2 L12-36W-DALI-830/840-EM3	TL 2x36W	36	4680	130	3K/4K	3.1
531000027000	LEDLinear-E2 L15-50W-DALI-830/840-EM3	TL 2x58W	50	6500	130	3K/4K	3.6
Emergency kit 3 hour/Smart							
531000027200	LEDLinear-E2 L12-36W-BLE2-830/840-EM3	TL 2x36W	36	4680	130	3K/4K	3.1
531000027300	LEDLinear-E2 L15-50W-BLE2-830/840-EM3	TL 2x58W	50	6500	130	3K/4K	3.6

Technical Specifications	
Lifetime (L70)	70,000 h
Lifetime (L80)	50,000 h
On-/Off-cycles	100,000
Dimmability	On-Off / Sensor controlled (MD) / DALI2 / BLE2
Beam angle	120°
Finishing	White RAL9003
RAL-Number	□ 9003
Colour rendering index (CRI)	> 80
Ingress Protection (IP)	IP44
Impact strength (IK)	IK02
Protection class	I
Risk group (EN 62471)	RG1
With control gear	Yes
Power factor	> 0.9 / 0.95

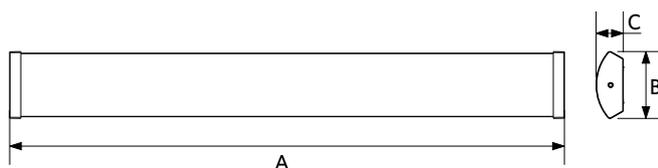
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Steel
Optical material	PMMA

Ambient Conditions	
Operating temperature	-25 - 45°C
Operating temperature (MD)	-20 - 45°C
Operating temperature (EM)	0 - 40°C
Application temperature	25°C
Storage environment	-40 - 60°C
Storage environment (EM)	0 - 50°C

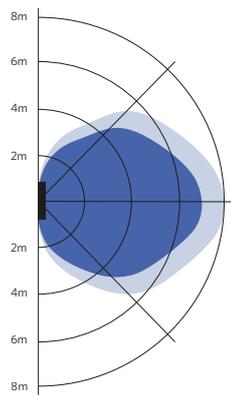


Dimensional Drawing (mm)

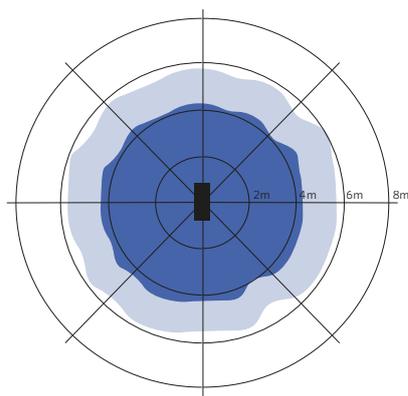


Type	A	B	C
L06	601	182	74
L12	1200	182	74
L15	1500	182	74

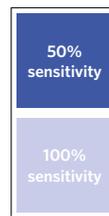
Motion Sensors



Installation - Wall mounted
Suggested installation height 1-3m



Installation - Ceiling mounted
Suggested installation height 2.5-6m







Linear Basic

- Modern Linear Basic luminaire featuring a clean and minimal design
- Choose from three standard lengths: 0.6m, 1.2m, and 1.5m
- Versions with integrated CCT-switch for color selection (3000K/4000K) available
- Driver with integrated Power Switch
- Motion detection (MD) versions available for automatic on-off switching
- DC compatibility makes it suitable for use with central emergency lighting systems



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
On-Off/CCT-Switch							
552000000000	LEDLinear-B L06-12/20W-830/840	TL 2x18W	12 - 20	1440 - 2400	120	3K/4K	1
552000000100	LEDLinear-B L12-22/40W-830/840	TL 2x36W	22 - 40	2640 - 4800	120	3K/4K	1.87
552000000200	LEDLinear-B L15-40/60W-830/840	TL 2x58W	40 - 60	4800 - 7200	120	3K/4K	2.26
On-Off/CCT-Switch/Motion Detection							
552000000300	LEDLinear-B L06-12/20W-830/840-MD	TL 2x18W	12 - 20	1440 - 2400	120	3K/4K	1.1
552000000400	LEDLinear-B L12-22/40W-830/840-MD	TL 2x36W	22 - 40	2640 - 4800	120	3K/4K	1.9
552000000500	LEDLinear-B L15-40/60W-830/840-MD	TL 2x58W	40 - 60	4800 - 7200	120	3K/4K	2.3

Technical Specifications	
Lifetime (L70)	70,000 h
Lifetime (L80)	50,000 h
On-/Off-cycles	100,000
Dimmability	On-Off / Sensor controlled (MD)
Beam angle	120°
Finishing	White RAL9003
RAL-Number	□ 9003
Colour rendering index (CRI)	> 80
Ingress protection front side (IP)	IP20
Ingress protection recessed part (IP)	-
Impact strength (IK)	IK06
Protection class	I
Risk group (EN 62471)	RG1
With control gear	Yes
Power factor	> 0.9

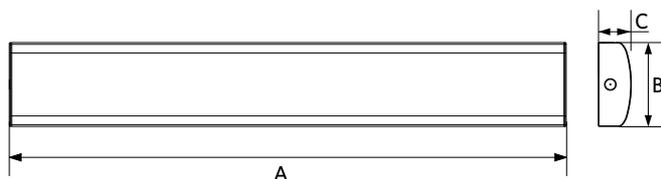
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Plastic
Optical material	Polycarbonate

Ambient Conditions	
Operating temperature	-20 - 40°C
Operating temperature (MD)	-20 - 40°C
Application temperature	25°C
Storage environment	-30 - 50°C

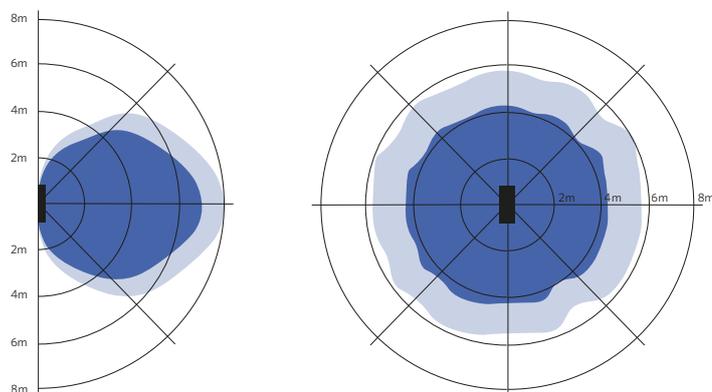


Dimensional Drawing (mm)



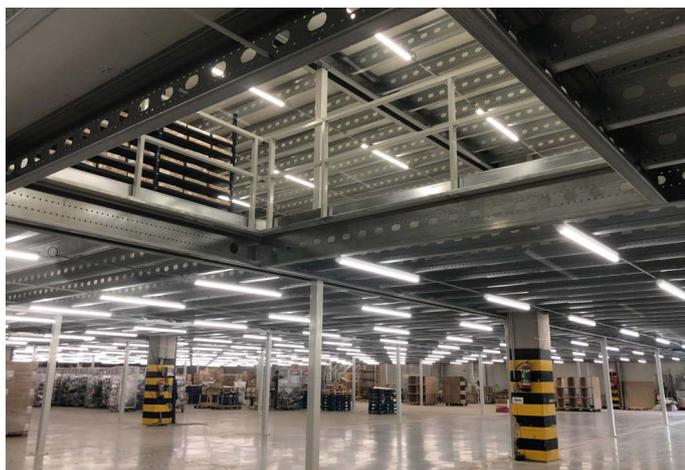
Type	A	B	C
L06	610	160	62,3
L12	1200	160	62,3
L15	1500	160	62,3

Motion Sensors



Installation - Wall mounted
Suggested installation height 1-3m

Installation - Ceiling mounted
Suggested installation height 2.5-6m



Batten EcoMax

- Comfortable and easy mounting batten family
- High Efficacy up to 150lm/W
- Integrated CCT switch for color selection (3000K-4000K)
- 3 power settings in each version (L12: 19W/28W/38W, L15: 24W/35W/48W)
- EM1 and DALI are available for the family
- Central or side power connection
- DALI2 driver compatible with 230V push dimming



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
On-Off							
531000019900	LEDBatten-E L12-19/38W-830/840	TL 1/2x36W	19 - 38	2850 - 5700	150	3K/4K	1.27
531000020000	LEDBatten-E L15-24/48W-830/840	TL 1/2x58W	24 - 48	3600 - 7200	150	3K/4K	1.59
DALI2							
531000020300	LEDBatten-E L12-19/38W-DALI-830/840	TL 1/2x36W	19 - 38	2850 - 5700	150	3K/4K	1.27
531000020500	LEDBatten-E L15-24/48W-DALI-830/840	TL 1/2x58W	24 - 48	3600 - 7200	150	3K/4K	1.59
Emergency kit 1 hour/On-Off							
531000020100	LEDBatten-E L12-19/38W-830/840-EM1	TL 1/2x36W	19 - 38	2850 - 5700	150	3K/4K	1.27
531000020200	LEDBatten-E L15-24/48W-830/840-EM1	TL 1/2x58W	24 - 48	3600 - 7200	150	3K/4K	1.59
Emergency kit 1 hour/DALI2							
531000020400	LEDBatten-E L12-19/38W-DALI-830/840-EM1	TL 1/2x36W	19 - 38	2850 - 5700	150	3K/4K	1.27
531000020600	LEDBatten-E L15-24/48W-DALI-830/840-EM1	TL 1/2x58W	24 - 48	3600 - 7200	150	3K/4K	1.59

Accessories



531098000400
LEDBatten-E Suspension-Kit

Technical Specifications	
Lifetime (L70)	70,000 h
Lifetime (L80)	50,000 h
On-/Off-cycles	100,000
Dimmability	On-Off / DALI2
Beam angle	120°
Finishing	White RAL9003
RAL-Number	□ 9003
Colour rendering index (CRI)	> 80
Ingress Protection (IP)	IP20
Protection class	I
Risk group (EN 62471)	RG1
With control gear	Yes
Power factor	> 0.95

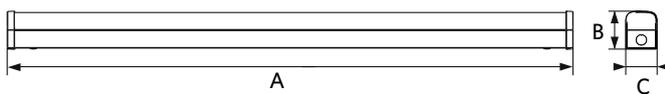
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Polycarbonate
Optical material	Polycarbonate
Cover material	Polycarbonate
Lens material	Polycarbonate

Ambient Conditions	
Operating temperature	-25 - 45°C
Application temperature	25°C
Storage environment	-40 - 60°C



Dimensional Drawing (mm)



Type	A	B	C
L12	1128	76	63
L15	1410	76	63



Linear Clio EcoMax

- Linear Clio EcoMax has a compact design, perfect for upgrading old tube fixtures in existing metal housings
- Luminaire with integrated CCT-switch for color selection (3000K/4000K)
- Driver with integrated Power Switch
- Save energy with high efficiency up to 170 lm/W
- Choose from three standard lengths: 0.6m, 1.2m, and 1.5m
- Easy to install with both magnetic and screw mounting options included
- DC compatibility makes it suitable for use with central emergency lighting systems



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	CCT (K)	Net Weight (kg/pc)
On-Off/CCT-Switch						
805012006800	LEDClío-Lin-E L06-7/14W-830/840	TL 1x35W	7 - 14	1120 - 2240	3K/4K	0.13
805012006900	LEDClío-Lin-E L12-16/25W-830/840	TL 1x58W	16 - 25	2720 - 4250	3K/4K	0.22
805012007000	LEDClío-Lin-E L15-22/30W-830/840	TL 1x80W	22 - 30	3850 - 5250	3K/4K	0.26

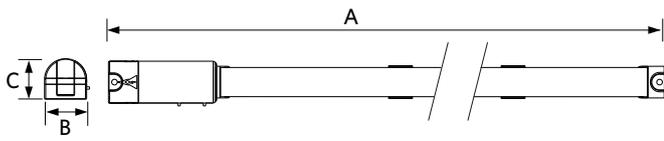
Technical Specifications	
Lifetime (L70)	70,000 h
Lifetime (L80)	50,000 h
On-/Off-cycles	25,000
Dimmability	On-Off
Beam angle	145°
Colour rendering index (CRI)	> 80
Ingress Protection (IP)	IP20
Protection class	II
With control gear	Yes

Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Ambient Conditions	
Operating temperature	-25 - 45°C
Application temperature	25°C
Storage environment	-20 - 60°C

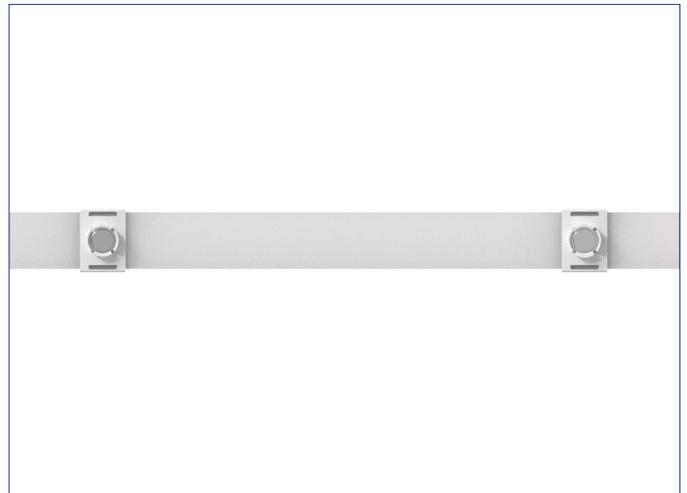


Dimensional Drawing (mm)



Type	A	B	C
L06	585	35	34
L12	1185	35	34
L15	1485	35	34

Product Highlights





T5 Batten EcoMax

- Linear LED batten
- Uniform, diffused light, creating a pleasant atmosphere
- Battens connect up to 15 meters
- Including power cable, mounting and connection pieces (fixed and flexible)
- With transparent end caps
- Free to position stainless steel mounting clips



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
On-Off							
140043898	LED E T5 batten 600 9W 3000K CT	TL 1x18W	9	900	100	3000	0.14
140043899	LED E T5 batten 600 9W 4000K CT	TL 1x18W	9	950	106	4000	0.14
140043900	LED E T5 batten 1200 18W 3000K CT	TL 1x36W	18	1850	103	3000	0.26
140043901	LED E T5 batten 1200 18W 4000K CT	TL 1x36W	18	1950	108	4000	0.26

Technical Specifications	
Lifetime (L70)	40,000 h
Lifetime (L80)	30,000 h
On-/Off-cycles	100,000
Dimmability	On-Off
Beam angle	140°
Finishing	White RAL9003
RAL-Number	□ 9003
Colour rendering index (CRI)	> 80
Ingress Protection (IP)	IP20
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Power factor	> 0.9

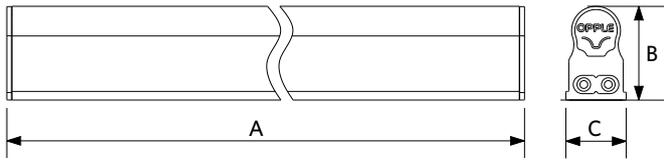
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	No
230V Cable length	1.5 m

Mechanical Properties	
Housing material	Polycarbonate
Optical material	Polycarbonate
Cover material	Polycarbonate

Ambient Conditions	
Operating temperature	-20 - 40°C
Application temperature	25°C
Storage environment	-25 - 50°C



Dimensional Drawing (mm)



Type	A	B	C
L600	600	35	22
L1200	1200	35	22



T5 Batten S with switch

- Linear LED batten with power switch
- Uniform, diffused light, creating a pleasant atmosphere
- Available in 300, 600, 900 and 1200 mm
- Battens connect up to 15 meters
- Including power cable, mounting and connection pieces (fixed and flexible)
- Free to position stainless steel mounting clips



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
On-Off							
140043904	LED E T5 batten 300 4.5W S 3000K BL	TL 1x9W	4.5	450	100	3000	0.08
140044077	LED E T5 batten 300 4.5W S 4000K BL	TL 1x9W	4.5	500	111	4000	0.08
140043903	LED E T5 batten 600 9W S 3000K BL	TL 1x18W	9	900	100	3000	0.15
140044076	LED E T5 batten 600 9W S 4000K BL	TL 1x18W	9	950	106	4000	0.15
140043902	LED E T5 batten 900 11W S 3000K BL	TL 1x18W	11	1100	100	3000	0.2
140044075	LED E T5 batten 900 11W S 4000K BL	TL 1x18W	11	1200	109	4000	0.2
140044293	LED E T5 batten 1200 13W S 3000K BL	TL 1x30W	13	1300	100	3000	0.26
140044292	LED E T5 batten 1200 13W S 4000K BL	TL 1x30W	13	1400	108	4000	0.26

Technical Specifications

Lifetime (L70)	40,000 h
Lifetime (L80)	30,000 h
On-/Off-cycles	100,000
Dimmability	On-Off
Beam angle	140°
Finishing	White RAL9003
RAL-Number	□ 9003
Colour rendering index (CRI)	> 80
Ingress Protection (IP)	IP20
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Power factor	> 0.9

Electrical Supply

Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	No
230V Cable length	1.5 m

Mechanical Properties

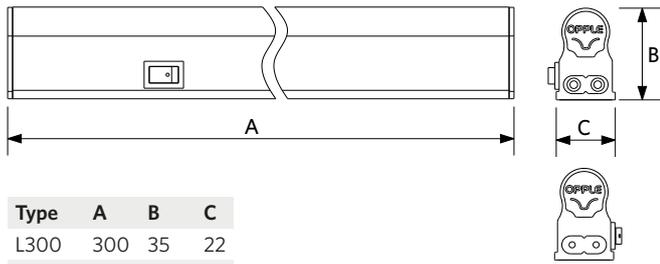
Housing material	Polycarbonate
Optical material	Polycarbonate
Cover material	Polycarbonate

Ambient Conditions

Operating temperature	-20 - 40°C
Application temperature	25°C
Storage environment	-25 - 50°C



Dimensional Drawing (mm)



Type	A	B	C
L300	300	35	22
L600	600	35	22
L900	900	35	22
L1200	1200	35	22



Highbay Performer Linear

- Robust and powerful Highbay solution with rectangular design
- Very high efficiency of 180lm/W
- Ultra high output up to 54,000lm
- Three different beam angles: wide (W), asymmetric (AS) and extra asymmetric (XAS)
- Suspension kit included (1m)
- Emergency versions (EM) available
- Standard available in DALI2
- Tilttable mounting bracket available as accessory



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Net Weight (kg/pc)
DALI2								
545001107300	LEDHighbay-Lin-P 150W-DALI-840-W	HID 400W	150	27000	180	4000	110°	4.4
545001107900	LEDHighbay-Lin-P 150W-DALI-840-AS	HID 400W	150	27000	180	4000	60° x 105°	4.1
545001108500	LEDHighbay-Lin-P 150W-DALI-840-XAS	HID 400W	150	27000	180	4000	25° x 85°	4.1
545001107400	LEDHighbay-Lin-P 240W-DALI-840-W	HID 2x400W	240	43200	180	4000	110°	6.8
545001108000	LEDHighbay-Lin-P 240W-DALI-840-AS	HID 2x400W	240	43200	180	4000	60° x 105°	7.2
545001108600	LEDHighbay-Lin-P 240W-DALI-840-XAS	HID 2x400W	240	43200	180	4000	25° x 85°	7.2
545001107500	LEDHighbay-Lin-P 300W-DALI-840-W	HID 1000W	300	54000	180	4000	110°	6.8
545001108100	LEDHighbay-Lin-P 300W-DALI-840-AS	HID 1000W	300	54000	180	4000	60° x 105°	7.3
545001108700	LEDHighbay-Lin-P 300W-DALI-840-XAS	HID 1000W	300	54000	180	4000	25° x 85°	7.3
Smart								
545001108400	LEDHighbay-Lin-P 300W-BLE2-840-XAS	HID 1000W	300	54000	180	4000	25° x 85°	8.3
545001107200	LEDHighbay-Lin-P 300W-BLE2-840-W	HID 1000W	300	54000	180	4000	110°	8.3
545001107800	LEDHighbay-Lin-P 300W-BLE2-840-AS	HID 1000W	300	54000	180	4000	60° x 105°	8.3
545001108300	LEDHighbay-Lin-P 240W-BLE2-840-XAS	HID 2x400W	240	43200	180	4000	25° x 85°	7.8
545001107100	LEDHighbay-Lin-P 240W-BLE2-840-W	HID 2x400W	240	43200	180	4000	110°	7.8
545001107700	LEDHighbay-Lin-P 240W-BLE2-840-AS	HID 2x400W	240	43200	180	4000	60° x 105°	7.8
545001108200	LEDHighbay-Lin-P 150W-BLE2-840-XAS	HID 400W	150	27000	180	4000	25° x 85°	4.6
545001107000	LEDHighbay-Lin-P 150W-BLE2-840-W	HID 400W	150	27000	180	4000	110°	4.6
545001107600	LEDHighbay-Lin-P 150W-BLE2-840-AS	HID 400W	150	27000	180	4000	60° x 105°	4.6
Emergency kit 1 hour/DALI2								
545001109700	LEDHighbay-Lin-P 150W-DALI-840-W-EM1	HID 400W	150	27000	180	4000	110°	4.1
545001110300	LEDHighbay-Lin-P 150W-DALI-840-AS-EM1	HID 400W	150	27000	180	4000	60° x 105°	4.1
545001110900	LEDHighbay-Lin-P 150W-DALI-840-XAS-EM1	HID 400W	150	27000	180	4000	25° x 85°	4.1
Emergency kit 1 hour/Smart								
545001110600	LEDHighbay-Lin-P 150W-BLE2-840-XAS-EM1	HID 400W	150	27000	180	4000	25° x 85°	5.2

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Net Weight (kg/pc)
545001109400	LEDHighbay-Lin-P 150W-BLE2-840-W-EM1	HID 400W	150	27000	180	4000	110°	5.2
545001110000	LEDHighbay-Lin-P 150W-BLE2-840-AS-EM1	HID 400W	150	27000	180	4000	60° x 105°	5.2
Emergency kit 3 hour/DALI2								
545001109800	LEDHighbay-Lin-P 240W-DALI-840-W-EM3	HID 2x400W	240	43200	180	4000	110°	7.2
545001110400	LEDHighbay-Lin-P 240W-DALI-840-AS-EM3	HID 2x400W	240	43200	180	4000	60° x 105°	7.2
545001111000	LEDHighbay-Lin-P 240W-DALI-840-XAS-EM3	HID 2x400W	240	43200	180	4000	25° x 85°	7.2
545001109900	LEDHighbay-Lin-P 300W-DALI-840-W-EM3	HID 1000W	300	54000	180	4000	110°	7.3
545001110500	LEDHighbay-Lin-P 300W-DALI-840-AS-EM3	HID 1000W	300	54000	180	4000	60° x 105°	7.3
545001111100	LEDHighbay-Lin-P 300W-DALI-840-XAS-EM3	HID 1000W	300	54000	180	4000	25° x 85°	7.3
Emergency kit 3 hour/Smart								
545001110800	LEDHighbay-Lin-P 300W-BLE2-840-XAS-EM3	HID 1000W	300	54000	180	4000	25° x 85°	9.2
545001109600	LEDHighbay-Lin-P 300W-BLE2-840-W-EM3	HID 1000W	300	54000	180	4000	110°	9.2
545001110200	LEDHighbay-Lin-P 300W-BLE2-840-AS-EM3	HID 1000W	300	54000	180	4000	60° x 105°	9.2
545001110700	LEDHighbay-Lin-P 240W-BLE2-840-XAS-EM3	HID 2x400W	240	43200	180	4000	25° x 85°	8.8
545001109500	LEDHighbay-Lin-P 240W-BLE2-840-W-EM3	HID 2x400W	240	43200	180	4000	110°	8.8
545001110100	LEDHighbay-Lin-P 240W-BLE2-840-AS-EM3	HID 2x400W	240	43200	180	4000	60° x 105°	8.8

Accessories



545098010600
LEDHighbay-Lin-P Rotatable Bracket

Technical Specifications

Lifetime (L70)	120,000 h
Lifetime (L80)	80,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	DALI2 / BLE2
Finishing	Grey Pantone 417U
RAL-Number	9022
Colour rendering index (CRI)	> 80
Ingress Protection (IP)	IP66
Impact strength (IK)	IK10
Protection class	I
Risk group (EN 62471)	RG1
With control gear	Yes
Glow wire test	850°C
Driver failure rate (at 5,000 hrs)	< 1%
Power factor	> 0.95
Surge protection (kV)	4kV

Electrical Supply

Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications
230V Cable length	1 m

Mechanical Properties

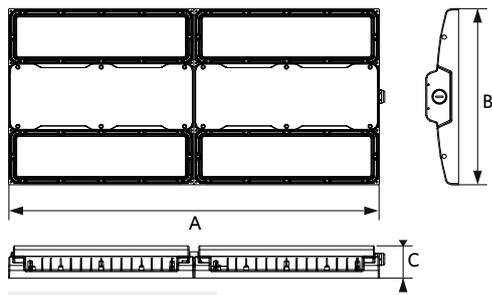
Housing material	Aluminium
Optical material	Polycarbonate

Ambient Conditions

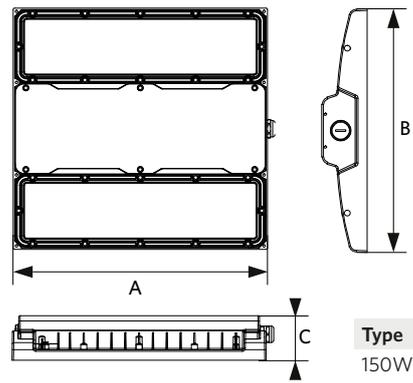
Operating temperature	-25 - 45°C
Operating temperature (EM)	0 - 45°C
Application temperature	25°C
Storage environment	-30 - 50°C
Storage environment (EM)	-10 - 50°C



Dimensional Drawing (mm)



Type	A	B	C
240W	680	325	60
300W	680	325	60



Type	A	B	C
150W	340	325	60



SMART

INDOOR

OUTDOOR

LAMPS & TOOLS

TECHNICAL DATA

GLOSSARY



Highbay Performer G6

- NEW: Low-glare UGR < 19 options available
- High quality LED Highbay solution with improved ultra slim design
- Improved Efficacy up to 200 lm/W
- Available as Smart Lighting solution (BLE2), or DALI2 dimmable
- Three different beam angles: wide (W), narrow (N) and asymmetric (AS)
- Extra high power versions available, up to 40,000 lm
- Equipped with breather to prevent condensation
- Equipped with IP68 connector
- Perfect for gymnasiums and sports facilities



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen (lm)	Efficacy (lm/W)	CCT (K)	Beam angle	Net Weight (kg/pc)
UGR < 19								
545006013800	LEDHighbay-P6 100W-840-W-U19	HID 400W	100	18000	180	4000	70°	3.28
545006013600	LEDHighbay-P6 100W-DALI-840-W-U19	HID 400W	100	18000	180	4000	70°	3.28
545006013700	LEDHighbay-P6 100W-BLE2-840-W-U19	HID 400W	100	18000	180	4000	70°	3.28
UGR < 19 combined with Reflector accessory								
545006014100	LEDHighbay-P6 185W-840-W	HID 600W	185	33300	180	4000	70°	3.28
545006013900	LEDHighbay-P6 185W-DALI-840-W	HID 600W	185	33300	180	4000	70°	3.28
545006014000	LEDHighbay-P6 185W-BLE2-840-W	HID 600W	185	33300	180	4000	70°	3.28
On-Off								
545001120200	LEDHighbay-P6 70W-840-N	HID 250W	70	13300	190	4000	60°	2.56
545001120300	LEDHighbay-P6 70W-840-W	HID 250W	70	14000	200	4000	100°	2.56
545001120400	LEDHighbay-P6 70W-840-AS	HID 250W	70	13300	190	4000	60° x 100°	2.56
545001120500	LEDHighbay-P6 70W-857-N	HID 250W	70	13300	190	5700	60°	2.56
545001120600	LEDHighbay-P6 70W-857-W	HID 250W	70	14000	200	5700	100°	2.56
545001120700	LEDHighbay-P6 70W-857-AS	HID 250W	70	13300	190	5700	60° x 100°	2.56
545001120800	LEDHighbay-P6 95W-840-N	HID 400W	95	18050	190	4000	60°	2.56
545001120900	LEDHighbay-P6 95W-840-W	HID 400W	95	19000	200	4000	100°	2.56
545001121000	LEDHighbay-P6 95W-840-AS	HID 400W	95	18050	190	4000	60° x 100°	2.56
545001121100	LEDHighbay-P6 95W-857-N	HID 400W	95	18050	190	5700	60°	2.56
545001121200	LEDHighbay-P6 95W-857-W	HID 400W	95	19000	200	5700	100°	2.56
545001121300	LEDHighbay-P6 95W-857-AS	HID 400W	95	18050	190	5700	60° x 100°	2.56
545001121400	LEDHighbay-P6 130W-840-N	HID 400W	130	24700	190	4000	60°	3.28
545001121500	LEDHighbay-P6 130W-840-W	HID 400W	130	26000	200	4000	100°	3.28
545001121600	LEDHighbay-P6 130W-840-AS	HID 400W	130	24700	190	4000	60° x 100°	3.28
545001121700	LEDHighbay-P6 130W-857-N	HID 400W	130	24700	190	5700	60°	3.28
545001121800	LEDHighbay-P6 130W-857-W	HID 400W	130	26000	200	5700	100°	3.28

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen (lm)	Efficacy (lm/W)	CCT (K)	Beam angle	Net Weight (kg/pc)
545001121900	LEDHighbay-P6 130W-857-AS	HID 400W	130	24700	190	5700	60° x 100°	3.28
545001122000	LEDHighbay-P6 170W-840-W	HID 600W	170	34000	200	4000	100°	3.28
545001122100	LEDHighbay-P6 170W-840-N	HID 600W	170	32300	190	4000	60°	3.28
545001122200	LEDHighbay-P6 170W-840-AS	HID 600W	170	32300	190	4000	60° x 100°	3.28
545001122300	LEDHighbay-P6 170W-857-W	HID 600W	170	34000	200	5700	100°	3.28
545001122400	LEDHighbay-P6 170W-857-N	HID 600W	170	32300	190	5700	60°	3.28
545001122500	LEDHighbay-P6 170W-857-AS	HID 600W	170	32300	190	5700	60° x 100°	3.28
545001122600	LEDHighbay-P6 200W-840-W	HID 600W	200	40000	200	4000	100°	3.28
545001122700	LEDHighbay-P6 200W-840-N	HID 600W	200	38000	190	4000	60°	3.28
545001122800	LEDHighbay-P6 200W-840-AS	HID 600W	200	38000	190	4000	60° x 100°	3.28
545001122900	LEDHighbay-P6 200W-857-W	HID 600W	200	40000	200	5700	100°	3.28
545001123000	LEDHighbay-P6 200W-857-N	HID 600W	200	38000	190	5700	60°	3.28
545001123100	LEDHighbay-P6 200W-857-AS	HID 600W	200	38000	190	5700	60° x 100°	3.28
DALI2								
545001114200	LEDHighbay-P6 70W-DALI-840-N	HID 250W	70	13300	190	4000	60°	2.56
545001114300	LEDHighbay-P6 70W-DALI-840-W	HID 250W	70	14000	200	4000	100°	2.56
545001114400	LEDHighbay-P6 70W-DALI-840-AS	HID 250W	70	13300	190	4000	60° x 100°	2.56
545001114500	LEDHighbay-P6 70W-DALI-857-N	HID 250W	70	13300	190	5700	60°	2.56
545001114600	LEDHighbay-P6 70W-DALI-857-W	HID 250W	70	14000	200	5700	100°	2.56
545001114700	LEDHighbay-P6 70W-DALI-857-AS	HID 250W	70	13300	190	5700	60° x 100°	2.56
545001114800	LEDHighbay-P6 95W-DALI-840-N	HID 400W	95	18050	190	4000	60°	2.56
545001114900	LEDHighbay-P6 95W-DALI-840-W	HID 400W	95	19000	200	4000	100°	2.56
545001115000	LEDHighbay-P6 95W-DALI-840-AS	HID 400W	95	18050	190	4000	60° x 100°	2.56
545001115100	LEDHighbay-P6 95W-DALI-857-N	HID 400W	95	18050	190	5700	60°	2.56
545001115200	LEDHighbay-P6 95W-DALI-857-W	HID 400W	95	19000	200	5700	100°	2.56
545001115300	LEDHighbay-P6 95W-DALI-857-AS	HID 400W	95	18050	190	5700	60° x 100°	2.56
545001115400	LEDHighbay-P6 130W-DALI-840-N	HID 400W	130	24700	190	4000	60°	3.28
545001115500	LEDHighbay-P6 130W-DALI-840-W	HID 400W	130	26000	200	4000	100°	3.28
545001115600	LEDHighbay-P6 130W-DALI-840-AS	HID 400W	130	24700	190	4000	60° x 100°	3.28
545001115700	LEDHighbay-P6 130W-DALI-857-N	HID 400W	130	24700	190	5700	60°	3.28
545001115800	LEDHighbay-P6 130W-DALI-857-W	HID 400W	130	26000	200	5700	100°	3.28
545001115900	LEDHighbay-P6 130W-DALI-857-AS	HID 400W	130	24700	190	5700	60° x 100°	3.28
545001116000	LEDHighbay-P6 170W-DALI-840-N	HID 600W	170	32300	190	4000	60°	3.28
545001116100	LEDHighbay-P6 170W-DALI-840-W	HID 600W	170	34000	200	4000	100°	3.28
545001116200	LEDHighbay-P6 170W-DALI-840-AS	HID 600W	170	32300	190	4000	60° x 100°	3.28
545001116300	LEDHighbay-P6 170W-DALI-857-N	HID 600W	170	32300	190	5700	60°	3.28
545001116400	LEDHighbay-P6 170W-DALI-857-W	HID 600W	170	34000	200	5700	100°	3.28
545001116500	LEDHighbay-P6 170W-DALI-857-AS	HID 600W	170	32300	190	5700	60° x 100°	3.28
545001119600	LEDHighbay-P6 200W-DALI-840-N	HID 600W	200	38000	190	4000	60°	3.28
545001119700	LEDHighbay-P6 200W-DALI-840-W	HID 600W	200	40000	200	4000	100°	3.28
545001119800	LEDHighbay-P6 200W-DALI-840-AS	HID 600W	200	38000	190	4000	60° x 100°	3.28
545001119900	LEDHighbay-P6 200W-DALI-857-N	HID 600W	200	38000	190	5700	60°	3.28
545001120000	LEDHighbay-P6 200W-DALI-857-W	HID 600W	200	40000	200	5700	100°	3.28
545001120100	LEDHighbay-P6 200W-DALI-857-AS	HID 600W	200	38000	190	5700	60° x 100°	3.28
Smart								
545001116600	LEDHighbay-P6 70W-BLE2-840-N	HID 250W	70	13300	190	4000	60°	2.56
545001116700	LEDHighbay-P6 70W-BLE2-840-W	HID 250W	70	14000	200	4000	100°	2.56
545001116800	LEDHighbay-P6 70W-BLE2-840-AS	HID 250W	70	13300	190	4000	60° x 100°	2.56
545001116900	LEDHighbay-P6 70W-BLE2-857-N	HID 250W	70	13300	190	5700	60°	2.56
545001117000	LEDHighbay-P6 70W-BLE2-857-W	HID 250W	70	14000	200	5700	100°	2.56
545001117100	LEDHighbay-P6 70W-BLE2-857-AS	HID 250W	70	13300	190	5700	60° x 100°	2.56
545001117200	LEDHighbay-P6 95W-BLE2-840-N	HID 400W	95	18050	190	4000	60°	2.56
545001117300	LEDHighbay-P6 95W-BLE2-840-W	HID 400W	95	19000	200	4000	100°	2.56
545001117400	LEDHighbay-P6 95W-BLE2-840-AS	HID 400W	95	18050	190	4000	60° x 100°	2.56

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen (lm)	Efficacy (lm/W)	CCT (K)	Beam angle	Net Weight (kg/pc)
545001117500	LEDHighbay-P6 95W-BLE2-857-N	HID 400W	95	18050	190	5700	60°	2.56
545001117600	LEDHighbay-P6 95W-BLE2-857-W	HID 400W	95	19000	200	5700	100°	2.56
545001117700	LEDHighbay-P6 95W-BLE2-857-AS	HID 400W	95	18050	190	5700	60° x 100°	2.56
545001117800	LEDHighbay-P6 130W-BLE2-840-N	HID 400W	130	24700	190	4000	60°	3.28
545001117900	LEDHighbay-P6 130W-BLE2-840-W	HID 400W	130	26000	200	4000	100°	3.28
545001118000	LEDHighbay-P6 130W-BLE2-840-AS	HID 400W	130	24700	190	4000	60° x 100°	3.28
545001118100	LEDHighbay-P6 130W-BLE2-857-N	HID 400W	130	24700	190	5700	60°	3.28
545001118200	LEDHighbay-P6 130W-BLE2-857-W	HID 400W	130	26000	200	5700	100°	3.28
545001118300	LEDHighbay-P6 130W-BLE2-857-AS	HID 400W	130	24700	190	5700	60° x 100°	3.28
545001118400	LEDHighbay-P6 170W-BLE2-840-N	HID 600W	170	32300	190	4000	60°	3.28
545001118500	LEDHighbay-P6 170W-BLE2-840-W	HID 600W	170	34000	200	4000	100°	3.28
545001118600	LEDHighbay-P6 170W-BLE2-840-AS	HID 600W	170	32300	190	4000	60° x 100°	3.28
545001118700	LEDHighbay-P6 170W-BLE2-857-N	HID 600W	170	32300	190	5700	60°	3.28
545001118800	LEDHighbay-P6 170W-BLE2-857-W	HID 600W	170	34000	200	5700	100°	3.28
545001118900	LEDHighbay-P6 170W-BLE2-857-AS	HID 600W	170	32300	190	5700	60° x 100°	3.28
545001119000	LEDHighbay-P6 200W-BLE2-840-N	HID 600W	200	38000	190	4000	60°	3.28
545001119100	LEDHighbay-P6 200W-BLE2-840-W	HID 600W	200	40000	200	4000	100°	3.28
545001119200	LEDHighbay-P6 200W-BLE2-840-AS	HID 600W	200	38000	190	4000	60° x 100°	3.28
545001119300	LEDHighbay-P6 200W-BLE2-857-N	HID 600W	200	38000	190	5700	60°	3.28
545001119400	LEDHighbay-P6 200W-BLE2-857-W	HID 600W	200	40000	200	5700	100°	3.28
545001119500	LEDHighbay-P6 200W-BLE2-857-AS	HID 600W	200	38000	190	5700	60° x 100°	3.28

Accessories



543098022000
LEDFixture-IP68-Connector-Kit-5



545001123200
LEDHighbay-P6 Reflector D336



545098011600
LEDHighbay-P6 Pole



545098011700
LEDHighbay-P6 Bracket

543098021900
LEDFixture-IP68-Connector-Kit-3

545001123300
LEDHighbay-P6 Reflector D390

Technical Specifications	
Lifetime (L70)	100,000 h
Lifetime (L80)	70,000 h
Lifetime (L90)	50,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	5
Dimmability	On-Off / DALI2 / BLE2
Finishing	Grey Pantone 417U
Colour rendering index (CRI)	> 80
Ingress Protection (IP)	IP66
Impact strength (IK)	IK08
Protection class	I
Risk group (EN 62471)	RG1
With control gear	Yes
Glow wire test	850°C
Driver failure rate (at 5,000 hrs)	< 1%
Power factor	> 0.95
Surge protection (kV)	4kV

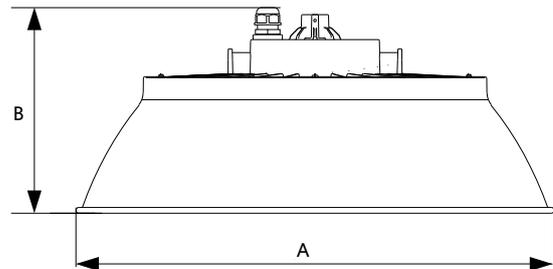
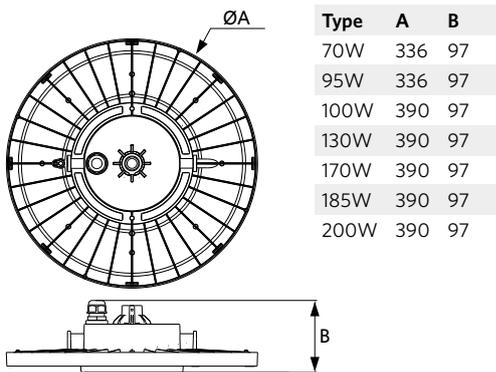
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications
230V Cable length	1 m

Mechanical Properties	
Housing material	Aluminium
Optical material	Polycarbonate
Cover material	Polycarbonate

Ambient Conditions	
Operating temperature	-30 - 50°C
Application temperature	25°C
Storage environment	-30 - 60°C

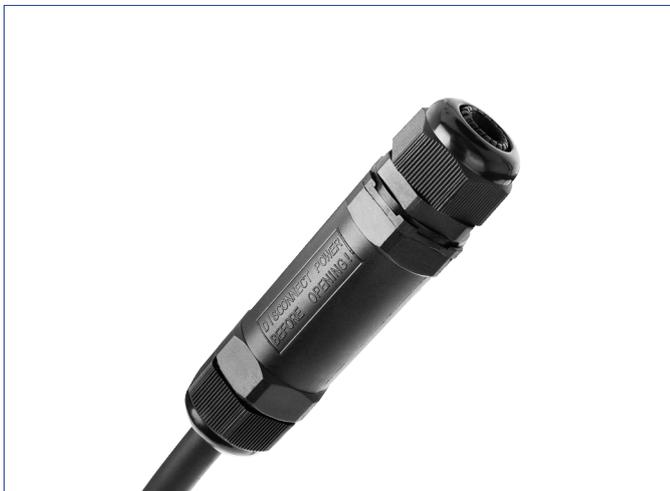


Dimensional Drawing (mm)



Type	A	B
Reflector Rd336	474	205
Reflector Rd390	550	228

Product Highlights





Highbay EcoMax G4

- Cost effective dimmable highbay solution with elegant slim design
- Improved Efficacy of 170 lm/W
- High output up to 34,000lm
- Narrow beam angle versions available
- Reflectors, bracket and IP68 connector available as accessory
- Up to 60% energy saving compared to HID solutions



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Net Weight (kg/pc)
DALI2								
545006006700	LEDHighbay-E4 130W-840-N-DALI	HID 400W	130	22100	170	4000	60°	3.38
545006006800	LEDHighbay-E4 130W-840-W-DALI	HID 400W	130	22100	170	4000	100°	3.38
545006007000	LEDHighbay-E4 200W-840-N-DALI	HID 600W	200	34000	170	4000	60°	3.38
545006007100	LEDHighbay-E4 200W-840-W-DALI	HID 600W	200	34000	170	4000	100°	3.38

Accessories



545001123200
LEDHighbay-P6 Reflector
D336

543098022000
LEDFixture-IP68-Connec-
tor-Kit-5

545001123300
LEDHighbay-P6 Reflector
D390

545098011700
LEDHighbay-P6 Bracket

Technical Specifications	
Lifetime (L70)	100,000 h
Lifetime (L80)	70,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	DALI2
Finishing	Grey Pantone 417U
Colour rendering index (CRI)	> 80
Ingress Protection (IP)	IP66
Impact strength (IK)	IK08
Protection class	I
Risk group (EN 62471)	RG1
With control gear	Yes
Glow wire test	850°C
Driver failure rate (at 5,000 hrs)	< 1%
Power factor	> 0.95
Surge protection (kV)	4kV

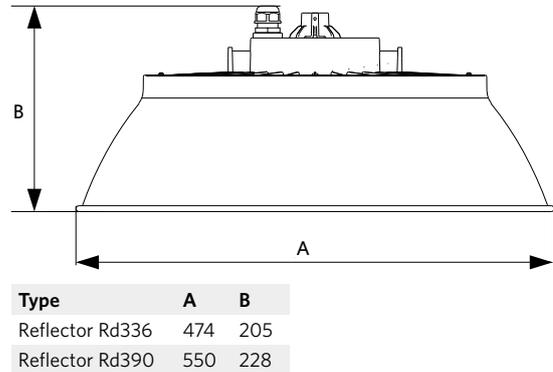
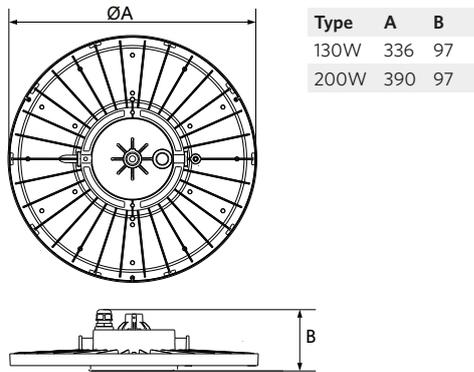
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	No
230V Cable length	1 m

Mechanical Properties	
Housing material	Aluminium
Optical material	Polycarbonate
Cover material	Polycarbonate

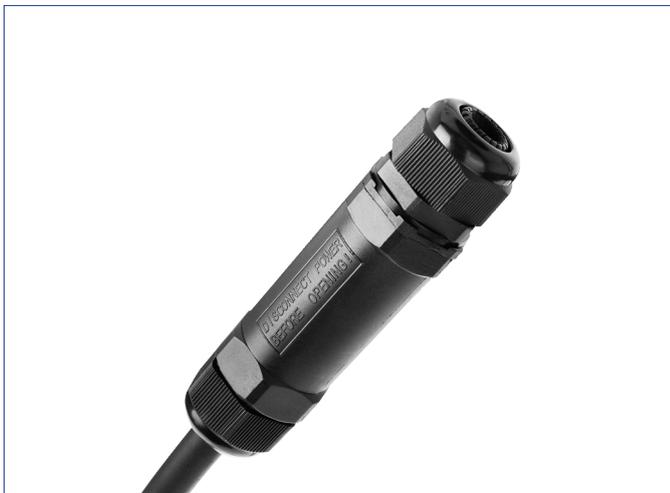
Ambient Conditions	
Operating temperature	-30 - 50°C
Application temperature	25°C
Storage environment	-30 - 60°C

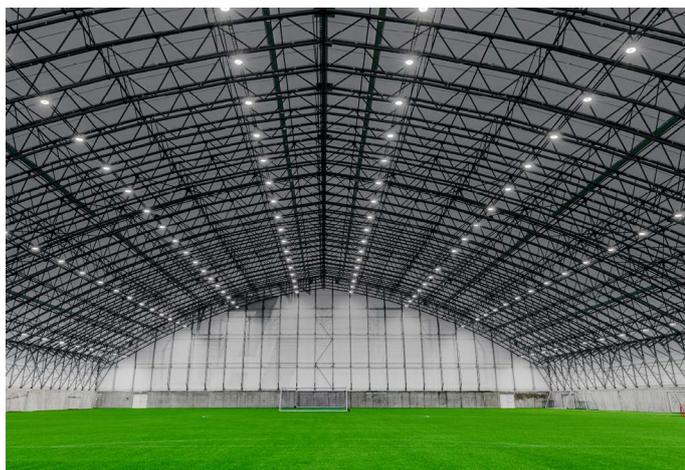


Dimensional Drawing (mm)



Product Highlights





Highbay EcoMax G3

- Cost effective highbay solution
- Elegant slim design
- Improved Efficacy up to 155 lm/W
- Five lumen packages, up to 34,100 lm
- Narrow beam versions available (180/220W)
- Reflectors, bracket and IP68 connector available as accessory



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Net Weight (kg/pc)
On-Off								
545001071600	LEDHighbay-E3 70W-840-W	HID 250W	70	10850	155	4000	90°	1.74
545001071800	LEDHighbay-E3 70W-857-W	HID 250W	70	10850	155	5700	90°	1.74
545001072000	LEDHighbay-E3 110W-840-W	HID 400W	110	17050	155	4000	90°	2.41
545001072200	LEDHighbay-E3 110W-857-W	HID 400W	110	17050	155	5700	90°	2.41
545001072400	LEDHighbay-E3 140W-840-W	HID 400W	140	21700	155	4000	90°	2.41
545001072600	LEDHighbay-E3 140W-857-W	HID 400W	140	21700	155	5700	90°	2.41
545001072700	LEDHighbay-E3 180W-840-N	HID 400W HO	180	27900	155	4000	65°	3.34
545001072800	LEDHighbay-E3 180W-840-W	HID 400W HO	180	27900	155	4000	90°	3.34
545001073000	LEDHighbay-E3 180W-857-W	HID 400W HO	180	27900	155	5700	90°	3.34
545001073100	LEDHighbay-E3 220W-840-N	HID 600W	220	34100	155	4000	65°	3.34
545001073200	LEDHighbay-E3 220W-840-W	HID 600W	220	34100	155	4000	90°	3.34
545001073400	LEDHighbay-E3 220W-857-W	HID 600W	220	34100	155	5700	90°	3.34

Accessories



545098006200
LEDHighbay-E2 Reflector-Rd507



545098006300
LEDHighbay-E2 Reflector-Rd602



543098021900
LEDFixture-IP68-Connector-Kit-3



545098006000
LEDHighbay-E2 Bracket-L249



545098006100
LEDHighbay-E2 Reflector-Rd407

Reflector Rd407 (545098006100) fits 70W versions, Reflector Rd507 (545098006200) fits 110W and 140W versions and Reflector Rd602 (545098006300) fits 180W and 220W versions.

Technical Specifications	
Lifetime (L70)	70,000 h
Lifetime (L80)	50,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	On-Off
Finishing	Grey Pantone 417U
RAL-Number	9022
Colour rendering index (CRI)	> 80
Ingress Protection (IP)	IP65
Impact strength (IK)	IK08
Protection class	I
Risk group (EN 62471)	RG1
With control gear	Yes
Glow wire test	850°C
Driver failure rate (at 5,000 hrs)	< 1%
Power factor	> 0.9
Surge protection (kV)	4kV

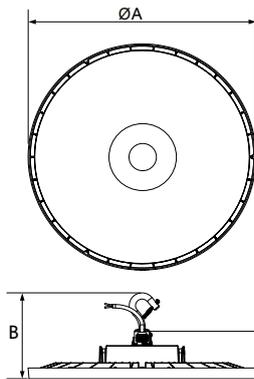
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	No
230V Cable length	1 m

Mechanical Properties	
Housing material	Aluminium
Optical material	Polycarbonate
Cover material	Polycarbonate

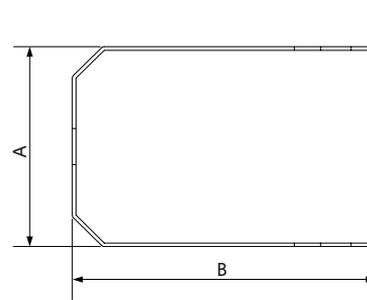
Ambient Conditions	
Operating temperature	-30 - 50°C
Application temperature	25°C
Storage environment	-30 - 60°C



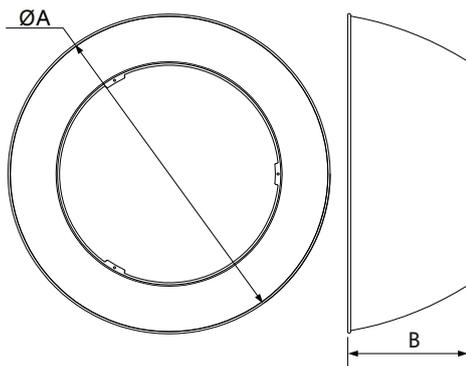
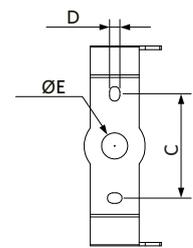
Dimensional Drawing (mm)



Type	A	B	C
70W	260	159	88
110W	340	159	88
140W	340	159	88
180W	420	159	88
220W	420	159	88



Type	A	B	C	D	E
L249	165	249	86	8,5	21,5



Type	A	B
D407	407	146
D507	507	189
D602	602	225



Highbay Basic

- Cost effective LED Highbay solution, with elegant slim design
- Wide lumen range of 10,400 - 31,200 lm
- High system Efficacy of 130 lm/W
- Reflector accessories and bracket available



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Net Weight (kg/pc)
On-Off								
545001077000	LEDHighbay-B 80W-840-W	HID 250W	80	10400	130	4000	90°	1.56
545001077200	LEDHighbay-B 80W-857-W	HID 250W	80	10400	130	5700	90°	1.56
545001077800	LEDHighbay-B 120W-840-W	HID 400W	120	15600	130	4000	90°	2.05
545001078000	LEDHighbay-B 120W-857-W	HID 400W	120	15600	130	5700	90°	2.05
545001078200	LEDHighbay-B 150W-840-W	HID 400W	150	19500	130	4000	90°	2.05
545001078400	LEDHighbay-B 150W-857-W	HID 400W	150	19500	130	5700	90°	2.05
545001078600	LEDHighbay-B 200W-840-W	HID 400W HO	200	26000	130	4000	90°	2.76
545001078800	LEDHighbay-B 200W-857-W	HID 400W HO	200	26000	130	5700	90°	2.76
545001079000	LEDHighbay-B 240W-840-W	HID 600W	240	31200	130	4000	90°	2.76
545001079200	LEDHighbay-B 240W-857-W	HID 600W	240	31200	130	5700	90°	2.76

Accessories



545098007200
LEDHighbay-B Reflector
D236

545098007300
LEDHighbay-B Reflector
D300



545098007500
LEDHighbay-B Bracket
D386



543098021900
LEDFixture-IP68-Connec-
tor-Kit-3

545098007400
LEDHighbay-B Reflector
D386

Technical Specifications	
Lifetime (L70)	50,000 h
On-/Off-cycles	50,000
Colour consistency (SDCM)	5
Dimmability	On-Off
Finishing	Matte Black
Colour rendering index (CRI)	> 80
Ingress Protection (IP)	IP65
Impact strength (IK)	IK08
Protection class	I
Risk group (EN 62471)	RG1
With control gear	Yes
Glow wire test	850°C
Driver failure rate (at 5,000 hrs)	< 1%
Power factor	> 0.95
Surge protection (kV)	4kV

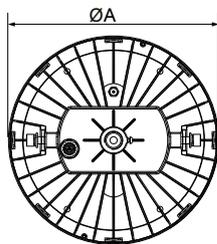
Electrical Supply	
Nominal voltage	220 - 240 V
DC input voltage	No
230V Cable length	1 m

Mechanical Properties	
Housing material	Aluminium
Optical material	Polycarbonate

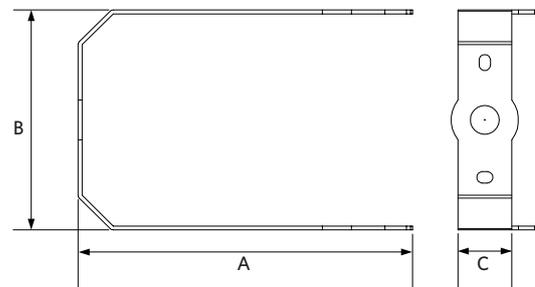
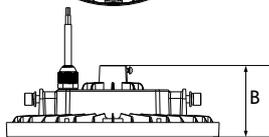
Ambient Conditions	
Operating temperature	-30 - 50°C
Application temperature	25°C
Storage environment	-35 - 60°C



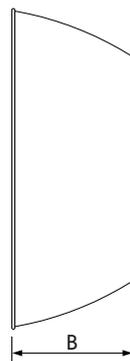
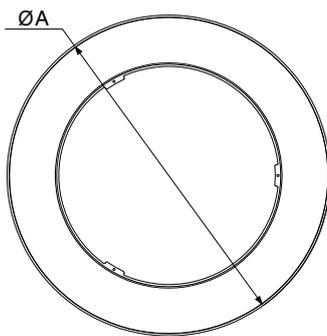
Dimensional Drawing (mm)



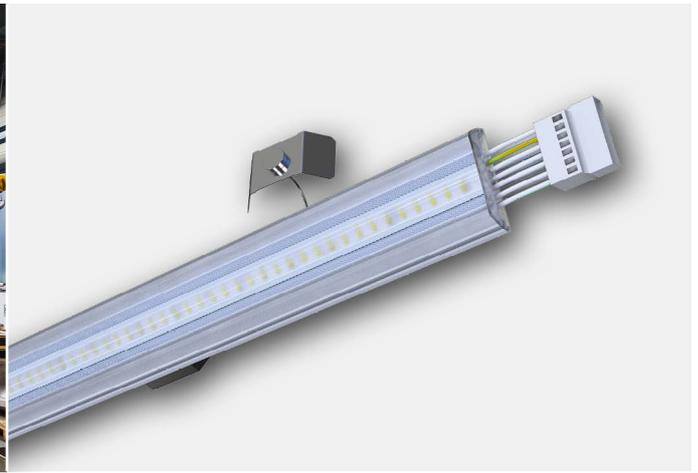
Type	A	B
80W	228	77
120W	291	78
150W	291	78
200W	375	78
240W	375	78



Type	A	B	C
Bracket	248	165	63



Type	A	B
D236	371	136
D300	437	136
D386	521	136



Universal Trunking

- Universal trunking module for refurbishing existing systems
- Compatible with the most commonly installed trunking systems
- Tool-free, hassle-free installation
- Multiple power options and beam angles for versatile applications
- Integrated power switch for added convenience
- DALI2 dimmable versions for enhanced control



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	Beam angle	Net Weight (kg/pc)
On-Off							
531000033700	LEDTrunk-Uni-P L15-28W/46W-840-BW	TL 2x70W	28 - 46	5040 - 8280	180	75° x 90°	1.362
531000033900	LEDTrunk-Uni-P L15-28W/46W-840-DF	TL 2x70W	28 - 46	5040 - 8280	180	120°	1.362
531000033500	LEDTrunk-Uni-P L15-28W/46W-840-M	TL 2x70W	28 - 46	5040 - 8280	180	90°	1.362
531000033300	LEDTrunk-Uni-P L15-28W/46W-840-N	TL 2x70W	28 - 46	5040 - 8280	180	60°	1.362
531000033100	LEDTrunk-Uni-P L15-28W/46W-840-W	TL 2x70W	28 - 46	5040 - 8280	180	120°	1.362
531000033800	LEDTrunk-Uni-P L15-68W/85W-840-BW	TL 2x100W	68 - 85	12240 - 15300	180	75° x 90°	1.362
531000034000	LEDTrunk-Uni-P L15-68W/85W-840-DF	TL 2x100W	68 - 85	12240 - 15300	180	120°	1.362
531000033600	LEDTrunk-Uni-P L15-68W/85W-840-M	TL 2x100W	68 - 85	12240 - 15300	180	90°	1.362
531000033400	LEDTrunk-Uni-P L15-68W/85W-840-N	TL 2x100W	68 - 85	12240 - 15300	180	60°	1.362
531000033200	LEDTrunk-Uni-P L15-68W/85W-840-W	TL 2x100W	68 - 85	12240 - 15300	180	120°	1.362
DALI2							
531000034700	LEDTrunk-Uni-P L15-28W/46W-DALI-840-BW	TL 2x70W	28 - 46	5040 - 8280	180	75° x 90°	1.442
531000034900	LEDTrunk-Uni-P L15-28W/46W-DALI-840-DF	TL 2x70W	28 - 46	5040 - 8280	180	120°	1.442
531000034500	LEDTrunk-Uni-P L15-28W/46W-DALI-840-M	TL 2x70W	28 - 46	5040 - 8280	180	90°	1.442
531000034300	LEDTrunk-Uni-P L15-28W/46W-DALI-840-N	TL 2x70W	28 - 46	5040 - 8280	180	60°	1.442
531000034100	LEDTrunk-Uni-P L15-28W/46W-DALI-840-W	TL 2x70W	28 - 46	5040 - 8280	180	120°	1.442
531000034800	LEDTrunk-Uni-P L15-68W/85W-DALI-840-BW	TL 2x100W	68 - 85	12240 - 15300	180	75° x 90°	1.442
531000035000	LEDTrunk-Uni-P L15-68W/85W-DALI-840-DF	TL 2x100W	68 - 85	12240 - 15300	180	120°	1.442
531000034600	LEDTrunk-Uni-P L15-68W/85W-DALI-840-M	TL 2x100W	68 - 85	12240 - 15300	180	90°	1.442
531000034400	LEDTrunk-Uni-P L15-68W/85W-DALI-840-N	TL 2x100W	68 - 85	12240 - 15300	180	60°	1.442
531000034200	LEDTrunk-Uni-P L15-68W/85W-DALI-840-W	TL 2x100W	68 - 85	12240 - 15300	180	120°	1.442

Accessories



531098007300
LEDTrunk-Uni-P L30
Wirethrough-kit

531098007400
LEDTrunk-Uni-P L15 Wi-
rethrough-kit

531098007500
LEDTrunk-Uni-P Feed In
Connector

531098007600
LEDTrunk-Uni-P Blind
cover

Technical Specifications

Lifetime (L70)	100,000 h
Lifetime (L80)	70,000 h
Lifetime (L90)	50,000 h
On-/Off-cycles	100,000
Dimmability	On-Off / DALI2
Finishing	White RAL9003
RAL-Number	□ 9003
Colour rendering index (CRI)	> 80
Ingress Protection (IP)	IP20
Protection class	I
Risk group (EN 62471)	RG0
With control gear	Yes
Power factor	> 0.95

Electrical Supply

Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties

Housing material	Aluminium
Optical material	PMMA / Polycarbonate

Ambient Conditions

Operating temperature	-20 - 45°C
Application temperature	25°C
Storage environment	-30 - 50°C

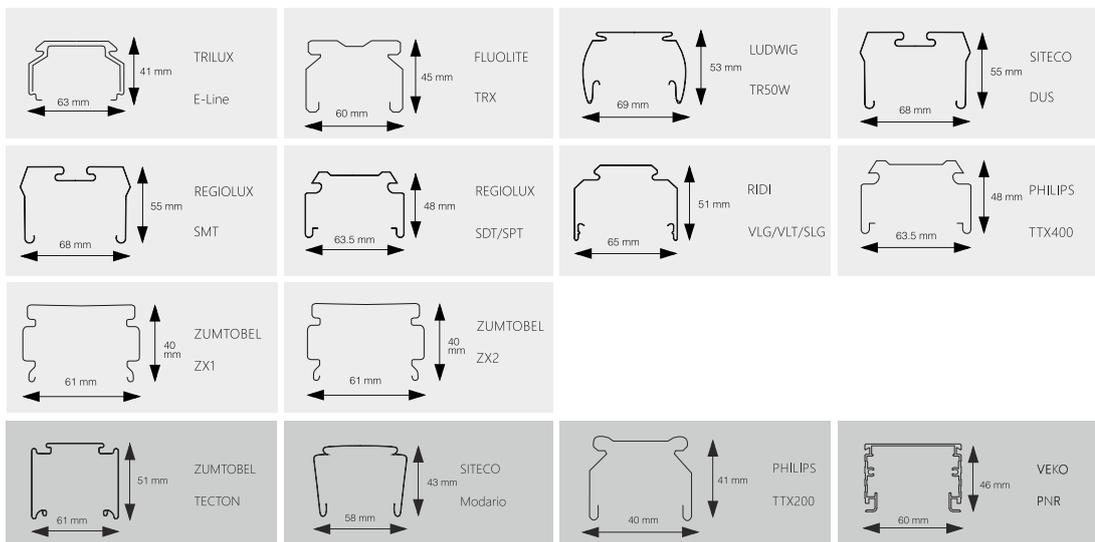


Dimensional Drawing (mm)



Type	A	B	C
Module	1496	63	42,7

Installation Possibilities





Trunking

- Professional LED light line solution
- Simple installation with snap-in mounting of LED modules and trunks
- Very high Efficacy of up to 180 lm/W
- 35W LED module with diffuser available
- Multiple beam angles (60°, 90°, 120°) and powers available
- Extra energy saving by using DALI2 dimmable LED modules and fully customisable DALI2 sensors
- Integration of 3C Spots possible with 3C Track Module accessory



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	Beam angle	Net Weight (kg/pc)
On-Off							
542005008200	LEDTrunking Module L15-35W-4000-120	TL 2x58W	35	6300	180	120°	1.64
542005006000	LEDTrunking Module L15-50W-4000-60	TL 2x80W	50	9000	180	60°	1.64
542005005900	LEDTrunking Module L15-50W-4000-90	TL 2x80W	50	9000	180	90°	1.64
542005005800	LEDTrunking Module L15-50W-4000-120	TL 2x80W	50	9000	180	120°	1.64
542005006400	LEDTrunking Module L15-70W-4000-60	2x TLM 140W RS	70	12600	180	60°	1.71
542005006300	LEDTrunking Module L15-70W-4000-90	2x TLM 140W RS	70	12600	180	90°	1.71
542005006200	LEDTrunking Module L15-70W-4000-120	2x TLM 140W RS	70	12600	180	120°	1.71
DALI2							
542005008600	LEDTrunking Module L15-35W-4000-120-DALI	TL 2x58W	35	6300	180	120°	1.64
542005006800	LEDTrunking Module L15-50W-4000-60-DALI	TL 2x80W	50	9000	180	60°	1.64
542005006700	LEDTrunking Module L15-50W-4000-90-DALI	TL 2x80W	50	9000	180	90°	1.64
542005006600	LEDTrunking Module L15-50W-4000-120-DALI	TL 2x80W	50	9000	180	120°	1.64
542005007200	LEDTrunking Module L15-70W-4000-60-DALI	2x TLM 140W RS	70	12600	180	60°	1.71
542005007100	LEDTrunking Module L15-70W-4000-90-DALI	2x TLM 140W RS	70	12600	180	90°	1.71
542005007000	LEDTrunking Module L15-70W-4000-120-DALI	2x TLM 140W RS	70	12600	180	120°	1.71
DALI2/Diffuser Lens							
534001000100	LEDTrunking Mod L15-35W-4000-DF-DALI-DZ	TL 2x58W	35	5950	170	120°	1.64
Emergency kit 1 hour/On-Off							
549004007010	LEDTrunk Mod L15-35W-4000-120-EM1	TL 2x58W	35	6300	180	120°	1.94
549004007210	LEDTrunk Mod L15-50W-4000-60-EM1	TL 2x80W	50	9000	180	60°	1.94
549004007610	LEDTrunk Mod L15-50W-4000-90-EM1	TL 2x80W	50	9000	180	90°	1.94
549004005510	LEDTrunk Mod L15-50W-4000-120-EM1	TL 2x80W	50	9000	180	120°	1.94
549004007410	LEDTrunk Mod L15-70W-4000-60-EM1	2x TLM 140W RS	70	12600	180	60°	2.01
549004007510	LEDTrunk Mod L15-70W-4000-90-EM1	2x TLM 140W RS	70	12600	180	90°	2.01
549004007310	LEDTrunk Mod L15-70W-4000-120-EM1	2x TLM 140W RS	70	12600	180	120°	2.01

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	Beam angle	Net Weight (kg/pc)
Emergency kit 1 hour/DALI2							
549004006910	LEDTrunk Mod L15-35W-4000-120-DALI-EM1	TL 2x58W	35	6300	180	120°	1.94
549004005610	LEDTrunk Mod L15-50W-4000-60-DALI-EM1	TL 2x80W	50	9000	180	60°	1.94
549004006310	LEDTrunk Mod L15-50W-4000-90-DALI-EM1	TL 2x80W	50	9000	180	90°	1.94
549004007110	LEDTrunk Mod L15-50W-4000-120-DALI-EM1	TL 2x80W	50	9000	180	120°	1.94
549004006410	LEDTrunk Mod L15-70W-4000-60-DALI-EM1	2x TLM 140W RS	70	12600	180	60°	2.01
549004006210	LEDTrunk Mod L15-70W-4000-90-DALI-EM1	2x TLM 140W RS	70	12600	180	90°	2.01
549004006510	LEDTrunk Mod L15-70W-4000-120-DALI-EM1	2x TLM 140W RS	70	12600	180	120°	2.01
Emergency kit 1 hour/DALI2/Diffuser Lens							
549004010400	LEDTrunk Mod L15-35W-4000-DF-DALI-EM1-DZ	TL 2x58W	35	5950	170	120°	2.54
Emergency kit 3 hour/On-Off							
549004004610	LEDTrunk Mod L15-35W-4000-120-EM3	TL 2x58W	35	6300	180	120°	2.04
549004005910	LEDTrunk Mod L15-50W-4000-60-EM3	TL 2x80W	50	9000	180	60°	2.04
549004005710	LEDTrunk Mod L15-50W-4000-90-EM3	TL 2x80W	50	9000	180	90°	2.04
549004006810	LEDTrunk Mod L15-50W-4000-120-EM3	TL 2x80W	50	9000	180	120°	2.04
549004004810	LEDTrunk Mod L15-70W-4000-60-EM3	2x TLM 140W RS	70	12600	180	60°	2.11
549004006710	LEDTrunk Mod L15-70W-4000-90-EM3	2x TLM 140W RS	70	12600	180	90°	2.11
549004006010	LEDTrunk Mod L15-70W-4000-120-EM3	2x TLM 140W RS	70	12600	180	120°	2.11
Emergency kit 3 hour/DALI2							
549004004510	LEDTrunk Mod L15-35W-4000-120-DALI-EM3	TL 2x58W	35	6300	180	120°	2.04
549004005310	LEDTrunk Mod L15-50W-4000-60-DALI-EM3	TL 2x80W	50	9000	180	60°	2.04
549004005410	LEDTrunk Mod L15-50W-4000-90-DALI-EM3	TL 2x80W	50	9000	180	90°	2.04
549004006610	LEDTrunk Mod L15-50W-4000-120-DALI-EM3	TL 2x80W	50	9000	180	120°	2.04
549004004910	LEDTrunk Mod L15-70W-4000-60-DALI-EM3	2x TLM 140W RS	70	12600	180	60°	2.11
549004005010	LEDTrunk Mod L15-70W-4000-90-DALI-EM3	2x TLM 140W RS	70	12600	180	90°	2.11
549004005110	LEDTrunk Mod L15-70W-4000-120-DALI-EM3	2x TLM 140W RS	70	12600	180	120°	2.11
Emergency kit 3 hour/DALI2/Diffuser Lens							
549004010500	LEDTrunk Mod L15-35W-4000-DF-DALI-EM3-DZ	TL 2x58W	35	5950	170	120°	2.64
Trunks							
542098002100	LEDTrunking Trunk 8 L15						1.75
542098002200	LEDTrunking Trunk 8 L15 End Part						1.42
542098002300	LEDTrunking Trunk 8 L30						3.2
542098002400	LEDTrunking Trunk 8 L30 End Part						3

DALI versions are compatible with central emergency lighting according to EN 50172. For more technical information, please go to the appendix.

Accessories



542098001000
LEDTrunking DALI Power Supply



542098001100
LEDTrunking Sensor Cover L15



542098001700
LEDTrunking End Cap



542098001800
LEDTrunking Cover L15



542098001900
LEDTrunking Mounting Clip Chain



542098002000
LEDTrunking Cord-3m



542098002900
LEDTrunking Mounting Clip



542098004700
LEDTrunking Sensor Probe H



542098011000
LEDTrunking Cover End Cap



542098003000
LEDTrunking Cable Gland



821017003200
LEDSmart-BLE2-DA-LI-Converter



542098001500
LEDTrunking Feed-in Connector 8



534000000700
LEDTrunking End Cap-DF-DZ



542098001300
LEDTrunking Feed-in Box 8



542098011200
LEDTrunking Feed-out Box 8



542098012700
LEDTrunking 3C Track Module

Technical Specifications

Lifetime (L70)	70,000 h
Lifetime (L80)	60,000 h
Lifetime (L90)	50,000 h
On-/Off-cycles	100,000
Dimmability	On-Off / DALI2
RAL-Number	9016
Colour rendering index (CRI)	> 80
Ingress Protection (IP)	IP20
Protection class	I
Risk group (EN 62471)	RG0
With control gear	Yes
Power factor	> 0.9

Electrical Supply

Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties

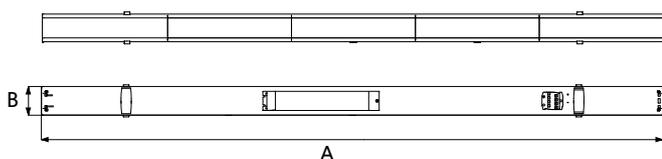
Housing material	Steel
Optical material	PMMA / PC

Ambient Conditions

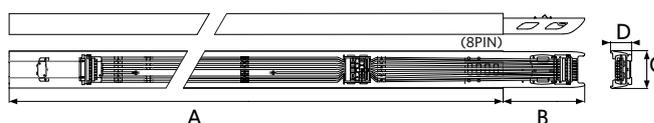
Operating temperature	-25 - 40°C
Application temperature	25°C
Storage environment	-25 - 50°C



Dimensional Drawing (mm)

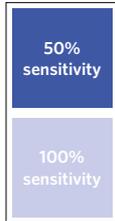
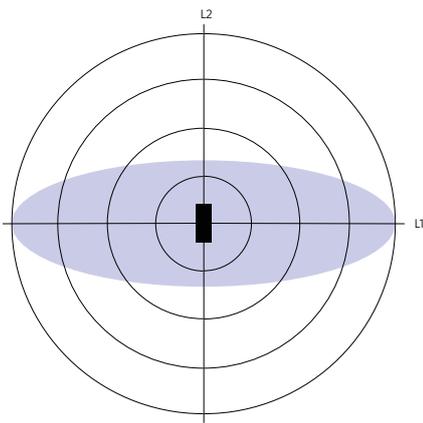


Type	A	B	C
Mod	1499	70	39



Type	A	B	C	D
L1500	1500	150	70	39
L3000	3000	150	70	39

Motion Sensors

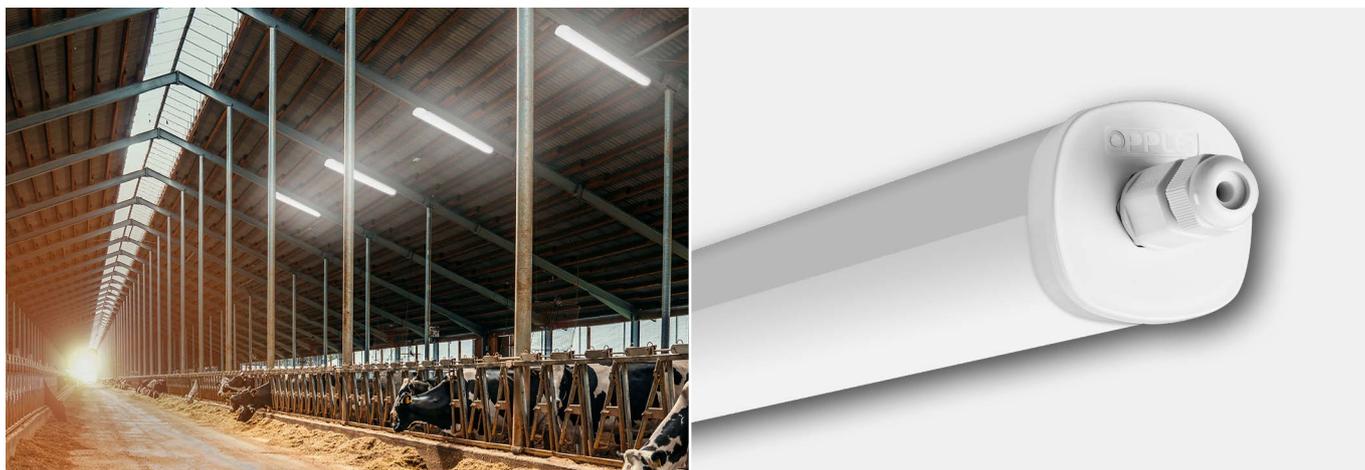


Installation height (m)	Sensor Probe L (m) (L1xL2)	Sensor Probe H (m) (LxcL2)
3	5.0x2.2	-
4	4.5x2.2	6.7x2.9
5	4.0x2.1	8.4x3.6
6	-	10.0x4.4
7	-	9.0x3.9
8	-	8.0x3.6
9	-	7.0x3.2
10	-	6.0x2.8

Installation - Ceiling mounted

Product Highlights





Waterproof Special

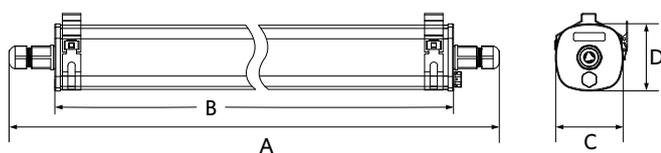
- DALI2 dimmable versions available
- Tubular waterproof luminaire with extra high IP rating
- Suitable for outdoor application thanks to IP67/IP69K rating
- Ammonium-resistant, suitable for livestock applications
- Comfortable homogeneous light distribution
- Easy installation due to free to position stainless steel mounting brackets
- High Efficacy of up to 135 lm/W
- Equipped with 3x2.5mm² throughwiring
- Equipped with breather to prevent condensation
- DALI2 driver compatible with 230V push dimming



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
On-Off							
543022021200	LED Waterproof SE-P L1250-45W-840-IP69K	TL 2x36W	45	6075	135	4000	1.71
543022021400	LED Waterproof SE-P L1550-54W-840-IP69K	TL 2x58W	54	7290	135	4000	1.98
DALI2							
531000031700	LED Waterproof SE-P L1250-45W-DALI-840	TL 2x36W	45	7200	160	4000	1.25
531000031600	LED Waterproof SE-P L1550-54W-DALI-840	TL 2x58W	54	8640	160	4000	1.45

Dimensional Drawing (mm)



Type	A	B	C	D
L1250	1279	1180	73	73
L1550	1559	1460	73	73

Technical Specifications	
Lifetime (L70)	100,000 h
Lifetime (L80)	70,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	DALI2 / On-Off
Beam angle	120°
Finishing	Grey RAL 7035
RAL-Number	7035
Colour rendering index (CRI)	> 80
Ingress Protection (IP)	IP67/IP69K
Impact strength (IK)	IK06
Protection class	I
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 0.5%
Power factor	> 0.9
Input wire Ø (mm ²)	1mm ² - 2.5mm ²
Internal wiring (mm ²)	3x2.5 mm ²
Input cable Ø (mm ²)	1 - 2.5 mm ²

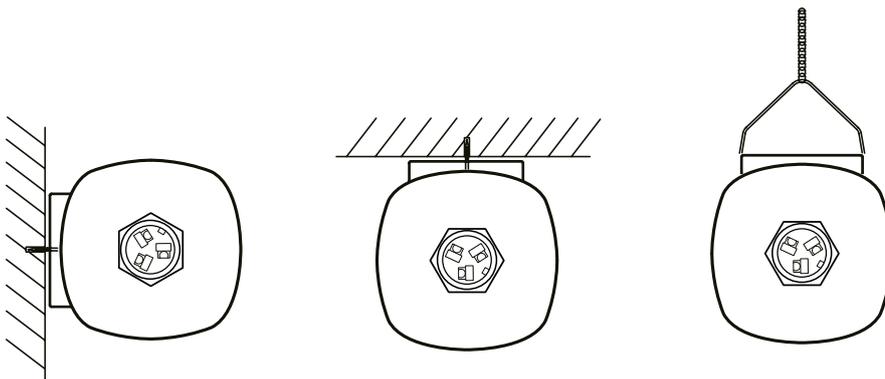
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	PMMA
Optical material	PMMA
Mounting clips	Stainless steel (316)

Ambient Conditions	
Operating temperature	-25 - 45°C
Application temperature	25°C
Storage environment	-30 - 60°C



Installation Possibilities



Product Highlights





Waterproof Performer G5

- NEW: PIR Sensor versions (MD) available with master-slave and master-master functionality
- Powerful range of waterproof luminaires in specific “sealed for life” design
- Versions with integrated CCT-switch for color selection (4000K/5700K) available
- Driver with integrated Power Switch
- High Efficacy of 170 lm/W
- Available as Smart Lighting solution (BLE2) and DALI2
- Smart Lighting solution (BLE2) and DALI2 versions with Tunable White (3000K - 5700K) available
- Quick installation thanks to its screwless endcap
- Equipped with throughwiring, special PLUS version with 2 additional internal wires
- DALI2 driver compatible with 230V push dimming



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Internal wiring (mm ²)	Net Weight (kg/pc)
On-Off								
531000040500	LEDWaterproof-P5-L06-12/22W-840	TL 1/2x18W	11 - 22	1980/3630	165	4000	3x2.5	0.9
531000035400	LEDWaterproof-P5-L12-22/34W-840	TL 1/2x36W	22 - 34	3740/5780	170	4000	3x2.5	1.4
531000035600	LEDWaterproof-P5-L12-22/34W-840-PLUS	TL 1/2x36W	22 - 34	3740/5780	170	4000	5x2.5	1.4
531000041400	LEDWaterproof-P5-L12-22/34W-840/857	TL 1/2x36W	22 - 34	3740/5780	170	4K/5.7K	3x2.5	1.4
531000035900	LEDWaterproof-P5-L12-22/34W-857	TL 1/2x36W	22 - 34	3740/5780	170	4K/5.7K	3x2.5	1.4
531000036900	LEDWaterproof-P5-L15-28/42W-840	TL 1/2x58W	28 - 42	4760/7140	170	4000	3x2.5	1.8
531000037100	LEDWaterproof-P5-L15-28/42W-840/857	TL 1/2x58W	28 - 42	4760/7140	170	4K/5.7K	3x2.5	1.8
531000037500	LEDWaterproof-P5-L15-28/48W-840-PLUS	TL 1/2x58W	28 - 42	4760/8160	170	4000	5x2.5	1.8
531000037700	LEDWaterproof-P5-L15-42/48W-840	TL 1/2x58W	42 - 48	7140/8160	170	4000	3x2.5	1.8
531000037900	LEDWaterproof-P5-L15-42/48W-840/857	TL 1/2x58W	42 - 48	7140/8160	170	4K/5.7K	3x2.5	1.8
531000038100	LEDWaterproof-P5-L15-42/48W-857	TL 1/2x58W	42 - 48	7140/8160	170	5700	3x2.5	1.8
531000039100	LEDWaterproof-P5-L15-62/72W-840	TL 1/2x80W	62 - 72	10540/12240	170	4000	3x2.5	1.8
531000039700	LEDWaterproof-P5-L15-62/72W-857	TL 1/2x80W	62 - 72	10540/12240	170	5700	3x2.5	1.8
Motion Detection/Daylight Detection								
531000043900	LEDWaterproof-P5-L06-12/22W-840-MD	TL 1/2x18W	12 - 22	1980/3630	165	4000	3x2.5	1.12
531000044000	LEDWaterproof-P5-L12-22/34W-840-MD	TL 1/2x36W	22 - 34	3740/5780	170	4000	3x2.5	1.7
531000044100	LEDWaterproof-P5-L15-28/42W-840-MD	TL 1/2x58W	28 - 42	4760/7140	170	4000	3x2.5	1.97
531000044200	LEDWaterproof-P5-L15-42/48W-840-MD	TL 2x58W	42 - 48	7140/8160	170	4000	3x2.5	1.97
531000044300	LEDWaterproof-P5-L15-62/72W-840-MD	TL 1/2x80W	62 - 72	10540/12240	170	4000	3x2.5	1.97
DALI2								
531000041200	LEDWaterproof-P5-L06-22W-DALI-840	TL 2x18W	22	3630	165	4000	5x2.5	0.9
531000036500	LEDWaterproof-P5-L12-34W-DALI-840	TL 2x36W	34	5780	170	4000	5x2.5	1.4

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Internal wiring (mm ²)	Net Weight (kg/pc)
531000036700	LEDWaterproof-P5-L12-34W-DALI-857	TL 2x36W	34	5780	170	5700	5x2.5	1.4
531000038700	LEDWaterproof-P5-L15-48W-DALI-840	TL 2x58W	48	8160	170	4000	5x2.5	1.8
531000038900	LEDWaterproof-P5-L15-48W-DALI-857	TL 2x58W	48	8160	170	5700	5x2.5	1.8
531000040200	LEDWaterproof-P5-L15-72W-DALI-840	TL 2x80W	72	12240	170	4000	5x2.5	1.8
531000040400	LEDWaterproof-P5-L15-72W-DALI-857	TL 2x80W	72	12240	170	5700	5x2.5	1.8
Smart								
531000041000	LEDWaterproof-P5-L06-22W-BLE2-840	TL 2x18W	22	3630	165	4000	3x2.5	0.9
531000036100	LEDWaterproof-P5-L12-34W-BLE2-840	TL 2x36W	34	5780	170	4000	3x2.5	1.4
531000036300	LEDWaterproof-P5-L12-34W-BLE2-857	TL 2x36W	34	5780	170	5700	3x2.5	1.4
531000038300	LEDWaterproof-P5-L15-48W-BLE2-840	TL 2x58W	48	8160	170	4000	3x2.5	1.8
531000038500	LEDWaterproof-P5-L15-48W-BLE2-857	TL 2x58W	48	8160	170	5700	3x2.5	1.8
531000039900	LEDWaterproof-P5-L15-72W-BLE2-840	TL 2x80W	72	12240	170	4000	3x2.5	1.8
531000040100	LEDWaterproof-P5-L15-72W-BLE2-857	TL 2x80W	72	12240	170	5700	3x2.5	1.8
Tunable White/Smart								
531000036400	LEDWaterproof-P5-L12-34W-BLE2-TW	TL 2x36W	34	5780	170	3K-5.7K	3x2.5	1.4
531000038600	LEDWaterproof-P5-L15-48W-BLE2-TW	TL 2x58W	48	8160	170	3K-5.7K	3x2.5	1.8
Emergency kit 1 hour/On-Off								
531000040600	LEDWaterproof-P5-L06-12/22W-840-EM1	TL 1/2x18W	11 - 22	1980/3630	165	4000	4x2.5	1
Emergency kit 3 hour/On-Off								
531000035500	LEDWaterproof-P5-L12-22/34W-840-EM3	TL 1/2x36W	22 - 34	3740/5780	170	4000	4x2.5	1.7
531000035700	LEDWaterproof-P5-L12-22/34W-840-PLUS-EM3	TL 1/2x36W	22 - 34	3740/5780	170	4000	5x2.5	1.7
531000035800	LEDWaterproof-P5-L12-22/34W-840/857-EM3	TL 1/2x36W	22 - 34	3740/5780	170	4K/5.7K	4x2.5	1.7
531000036000	LEDWaterproof-P5-L12-22/34W-857-EM3	TL 1/2x36W	22 - 34	3740/5780	170	5700	4x2.5	1.7
531000037000	LEDWaterproof-P5-L15-28/42W-840-EM3	TL 1/2x58W	28 - 42	4760/7140	170	4000	4x2.5	2.1
531000037200	LEDWaterproof-P5-L15-28/42W-840/857-EM3	TL 1/2x58W	28 - 42	4760/7140	170	4K/5.7K	4x2.5	2.1
531000037600	LEDWaterproof-P5-L15-28/48W-840-PLUS-EM3	TL 1/2x58W	28 - 42	4760/8160	170	4000	5x2.5	2.1
531000037800	LEDWaterproof-P5-L15-42/48W-840-EM3	TL 1/2x58W	42 - 48	7140/8160	170	4000	4x2.5	2.1
531000038000	LEDWaterproof-P5-L15-42/48W-840/857-EM3	TL 1/2x58W	42 - 48	7140/8160	170	4K/5.7K	4x2.5	2.1
531000038200	LEDWaterproof-P5-L15-42/48W-857-EM3	TL 1/2x58W	42 - 48	7140/8160	170	5700	4x2.5	2.1
531000039200	LEDWaterproof-P5-L15-62/72W-840-EM3	TL 1/2x80W	62 - 72	10540/12240	170	4000	4x2.5	2.1
531000039800	LEDWaterproof-P5-L15-62/72W-857-EM3	TL 1/2x80W	62 - 72	10540/12240	170	5700	4x2.5	2.1
Emergency kit 3 hour/DALI2								
531000036600	LEDWaterproof-P5-L12-34W-DALI-840-EM3	TL 2x36W	34	5780	170	4000	5x2.5	1.7
531000038800	LEDWaterproof-P5-L15-48W-DALI-840-EM3	TL 2x58W	48	8160	170	4000	5x2.5	2.1
531000040300	LEDWaterproof-P5-L15-72W-DALI-840-EM3	TL 2x80W	72	12240	170	4000	5x2.5	2.1
Emergency kit 3 hour/Smart								
531000036200	LEDWaterproof-P5-L12-34W-BLE2-840-EM3	TL 2x36W	34	5780	170	4000	4x2.5	1.7
531000038400	LEDWaterproof-P5-L15-48W-BLE2-840-EM3	TL 2x58W	48	8160	170	4000	4x2.5	2.1
531000040000	LEDWaterproof-P5-L15-72W-BLE2-840-EM3	TL 2x80W	72	12240	170	4000	4x2.5	2.1

Technical Specifications

Lifetime (L80)	100,000 h
Lifetime (L90)	50,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	On-Off / Sensor controlled (MD) / DALI2 / BLE2
Sensor type	Motion + Daylight detection (MD)
Sensor technology	Passive Infrared (PIR)
Beam angle	120° / 110° x 135°
Finishing	Grey RAL 7035
Colour rendering index (CRI)	> 80
Ingress Protection (IP)	IP66
Impact strength (IK)	IK08
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	850 / 650°C
Driver failure rate (at 5,000 hrs)	< 1%
Power factor	> 0.95
Input wire Ø (mm ²)	1mm ² - 2.5mm ²
Input cable Ø (mm ²)	7 - 15.5 mm ²

Electrical Supply

Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties

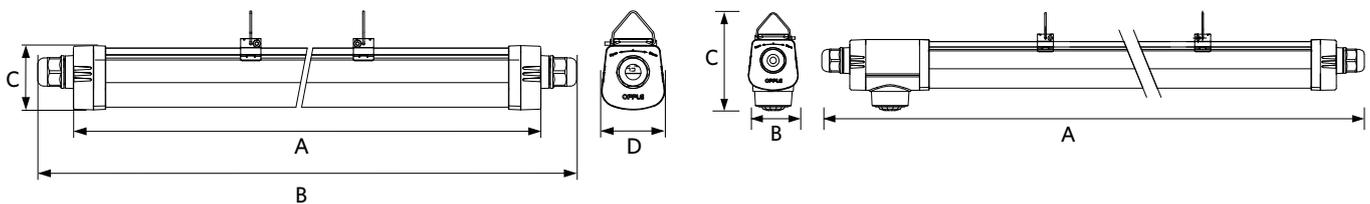
Housing material	Polycarbonate
UV resistant	No
Mounting clips	Stainless steel

Ambient Conditions

Operating temperature	-30 - 45°C
Operating temperature (MD)	-30 - 45°C
Operating temperature (EM)	0 - 45°C
Application temperature	25°C
Storage environment	-30 - 60°C
Storage environment (EM)	0 - 60°C



Dimensional Drawing (mm)

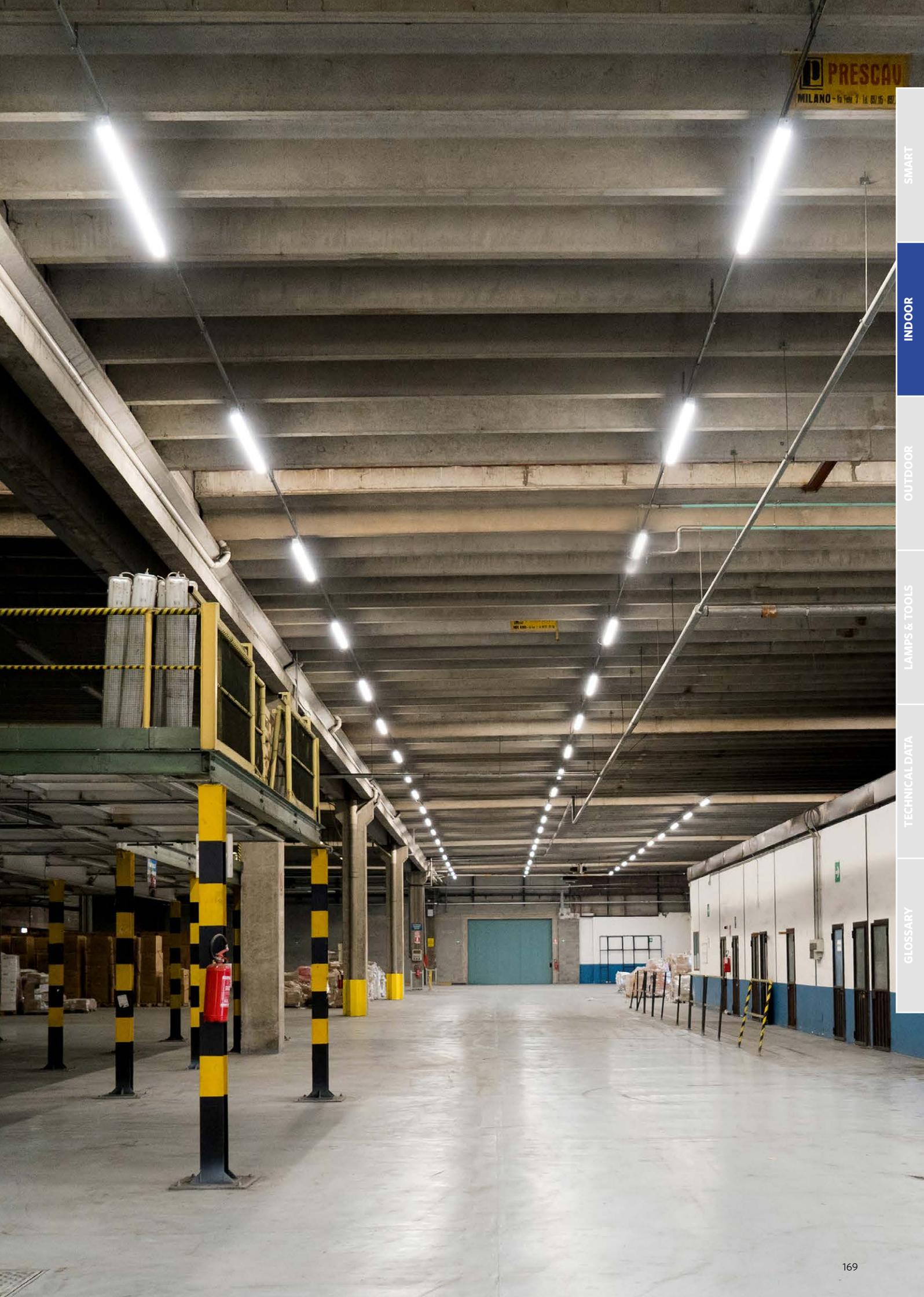


Type	A	B	C	D
L600	600	680	73	71
L1200	1200	1280	73	71
L1500	1500	1580	73	71

Type	A	B	C
L06	755	71	103
L12	1355	71	103
L15	1655	71	103

Product Highlights





PRESCAU
MILANO - 16 7441 7 14 02 15 02

SMART

INDOOR

OUTDOOR

LAMPS & TOOLS

TECHNICAL DATA

GLOSSARY



Waterproof Classic G2

- DALI2 and BLE2 dimmable versions available
- Sleek classic waterproof solution with clip design
- Improved Efficacy of 150 lm/W
- Optimized diffuser design for more uniform illumination patterns
- Power switch and sensor (MD) versions available
- Wiring from the back or side possible
- Supplied with vandal-proof stainless steel ceiling and suspension clips
- Wire through kits available as accessory
- DALI2 driver compatible with 230V push dimming



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
On-Off							
531000013000	LEDWP-CLA-P2 L600-10/18W-840	TL 1/2x18W	10 - 18	1500 - 2700	150	4000	0.81
531000013100	LEDWP-CLA-P2 L1200-18W-840	TL 1x36W	18	2700	150	4000	1.23
531000013200	LEDWP-CLA-P2 L1200-18/36W-840	TL 1/2x36W	18 - 36	2700 - 5400	150	4000	1.23
531000013300	LEDWP-CLA-P2 L1500-24W-840	TL 1x58W	24	3600	150	4000	1.55
531000013400	LEDWP-CLA-P2 L1500-24/44W-840	TL 1/2x58W	24 - 44	3600 - 6600	150	4000	1.55
531000013500	LEDWP-CLA-P2 L1500-44/56W-840	TL 2x58W	44 - 56	6600 - 8400	150	4000	1.55
DALI2							
531000013600	LEDWP-CLA-P2 L600-18W-840-DALI	TL 1x36W	18	2700	150	4000	0.84
531000013800	LEDWP-CLA-P2 L1200-36W-840-DALI	TL 2x36W	36	5400	150	4000	1.33
531000014000	LEDWP-CLA-P2 L1500-44W-840-DALI	TL 2x58W	44	6600	150	4000	1.65
531000014100	LEDWP-CLA-P2 L1500-56W-840-DALI	TL 2x58W	56	8400	150	4000	1.65
Smart							
531000014200	LEDWP-CLA-P2 L600-18W-840-BLE2	TL 1x36W	18	2700	150	4000	0.79
531000014400	LEDWP-CLA-P2 L1200-36W-840-BLE2	TL 2x36W	36	5400	150	4000	1.28
531000014600	LEDWP-CLA-P2 L1500-44W-840-BLE2	TL 2x58W	44	6600	150	4000	1.6
531000014700	LEDWP-CLA-P2 L1500-56W-840-BLE2	TL 2x58W	56	8400	150	4000	1.6
Motion Detection/Daylight Detection							
531000014800	LEDWP-CLA-P2 L600-10/18W-840-MD	TL 1/2x18W	10 - 18	1500 - 2700	150	4000	0.76
531000015000	LEDWP-CLA-P2 L1200-18/36W-840-MD	TL 1/2x36W	18 - 36	2700 - 5400	150	4000	1.25
531000015200	LEDWP-CLA-P2 L1500-24/44W-840-MD	TL 1/2x58W	24 - 44	3600 - 6600	150	4000	1.57
531000015300	LEDWP-CLA-P2 L1500-44/56W-840-MD	TL 2x58W	44 - 56	6600 - 8400	150	4000	1.57
Emergency kit 1 hour/On-Off							
531000015400	LEDWP-CLA-P2 L600-10/18W-840-EM1	TL 1/2x18W	10 - 18	1500 - 2700	150	4000	0.86

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
Emergency kit 3 hour/On-Off							
531000015600	LEDWP-CLA-P2 L1200-18/36W-840-EM3	TL 1/2x36W	18 - 36	2700 - 5400	150	4000	1.54
531000015800	LEDWP-CLA-P2 L1500-24/44W-840-EM3	TL 1/2x58W	24 - 44	3600 - 6600	150	4000	1.86
531000015900	LEDWP-CLA-P2 L1500-44/56W-840-EM3	TL 2x58W	44 - 56	6600 - 8400	150	4000	1.86
Emergency kit 3 hour/DALI2							
531000016200	LEDWP-CLA-P2 L1200-36W-840-DALI-EM3	TL 2x36W	36	5400	150	4000	1.64
531000016400	LEDWP-CLA-P2 L1500-44W-840-DALI-EM3	TL 2x58W	44	6600	150	4000	1.96
531000016500	LEDWP-CLA-P2 L1500-56W-840-DALI-EM3	TL 2x58W	56	8400	150	4000	1.96
Emergency kit 3 hour/Smart							
531000016800	LEDWP-CLA-P2 L1200-36W-840-BLE2-EM3	TL 2x36W	36	5400	150	4000	1.59
531000017000	LEDWP-CLA-P2 L1500-44W-840-BLE2-EM3	TL 2x58W	44	6600	150	4000	1.91
531000017100	LEDWP-CLA-P2 L1500-56W-840-BLE2-EM3	TL 2x58W	56	8400	150	4000	1.91
Emergency kit 3 hour/Motion Detection/Daylight Detection							
531000017400	LEDWP-CLA-P2 L1200-18/36W-840-MD-EM3	TL 1/2x36W	18 - 36	2700 - 5400	150	4000	1.56
531000017600	LEDWP-CLA-P2 L1500-24/44W-840-MD-EM3	TL 1/2x58W	24 - 44	3600 - 6600	150	4000	1.88
531000017700	LEDWP-CLA-P2 L1500-44/56W-840-MD-EM3	TL 2x58W	44 - 56	6600 - 8400	150	4000	1.88

Accessories



531098002500
LEDWP-CLA-P2 Wi-rethrough-Kit

531098002700
LEDWP-CLA-P2 Sensor-Kit

799000002700
LEDWP-CLA-P2 Wi-rethrough-Kit-6

Technical Specifications	
Lifetime (L70)	100,000 h
Lifetime (L80)	70,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	On-Off / DALI2 / BLE2 / Sensor controlled (MD)
Sensor type	No sensor / Motion + Daylight detection (MD)
Sensor technology	No sensor / Microwave (MW)
Beam angle	120°
Finishing	Grey RAL 7035
RAL-Number	7035
Colour rendering index (CRI)	> 80
Ingress Protection (IP)	IP66
Impact strength (IK)	IK08
Protection class	I
Risk group (EN 62471)	RG1
With control gear	Yes
Glow wire test	850°C
Driver failure rate (at 5,000 hrs)	< 0.5%
Power factor	> 0.9
Input wire Ø (mm ²)	1mm ² - 2.5mm ²
Internal wiring (mm ²)	3x2.5 / 5x2.5 mm ²
Input cable Ø (mm ²)	5 - 11 mm ²

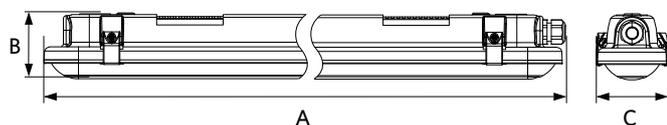
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Polycarbonate
UV resistant	Yes
Optical material	Polycarbonate
Mounting clips	Stainless steel

Ambient Conditions	
Operating temperature	-20 - 45°C
Operating temperature (MD)	-20 - 45°C
Operating temperature (EM)	0 - 45°C
Application temperature	25°C
Storage environment	-30 - 60°C
Storage environment (EM)	0 - 60°C

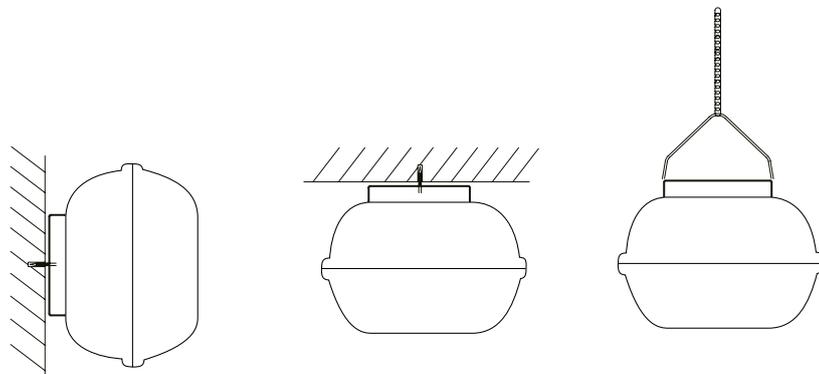


Dimensional Drawing (mm)

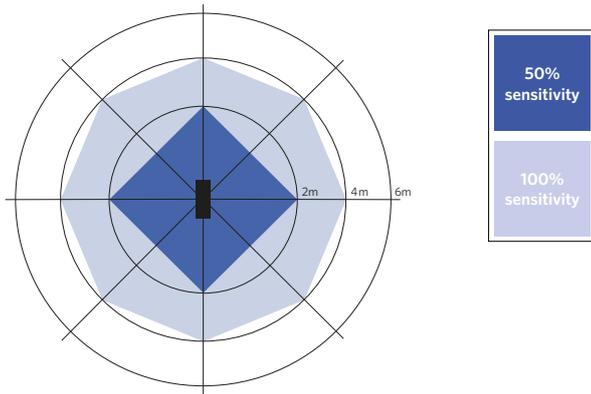


Type	A	B	C
L600	607	72	78
L1200	1208	72	78
L1500	1508	72	78

Installation Possibilities



Motion Sensors



Installation - Ceiling mounted
Suggested installation height 3-4m

Product Highlights





Waterproof Classic EcoMax

- Cost-effective waterproof solution with durable clip design
- Luminaire with integrated CCT-switch for color selection (4000K/5700K)
- Driver with integrated Power Switch
- High Efficacy of 135 lm/W for energy-efficient performance
- Optimized diffuser design ensures uniform and glare-free light distribution
- Flexible wiring options: rear or side entry
- Available with integrated emergency lighting (EM versions)



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
On-Off							
531000045600	LEDWP-CLA-E L600 10/18W-840/857	TL 1/2x18W	10 - 18	1300 - 2340	135	4K/5.7K	0.689
531000045700	LEDWP-CLA-E L1200 18/36W-840/857	TL 1/2x36W	18 - 36	2340 - 4680	135	4K/5.7K	1.217
531000045800	LEDWP-CLA-E L1500 36/50W-840/857	TL 1/2x58W	36 - 50	4680 - 6500	135	4K/5.7K	1.44
531000045900	LEDWP-CLA-E L1500 45/60W-840/857	TL 1/2x58W	45 - 60	5850 - 7800	135	4K/5.7K	1.44
Emergency kit 1 hour/On-Off							
531000046000	LEDWP-CLA-E L600 10/18W-840/857-EM1	TL 1/2x18W	10 - 18	1300 - 2340	135	4K/5.7K	0.854
Emergency kit 3 hour/On-Off							
531000046100	LEDWP-CLA-E L1200 18/36W-840/857-EM3	TL 1/2x36W	18 - 36	2340 - 4680	135	4K/5.7K	1.425
531000046200	LEDWP-CLA-E L1500 36/50W-840/857-EM3	TL 1/2x58W	36 - 50	4680 - 6500	135	4K/5.7K	1.65

Accessories



531098002500
LEDWP-CLA-P2 Wi-
rethrough-Kit



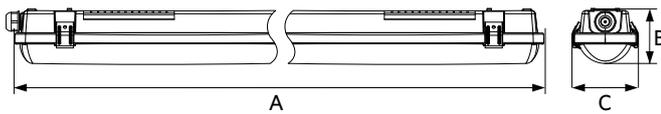
Technical Specifications	
Lifetime (L70)	70,000 h
Lifetime (L80)	50,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	On-Off
Beam angle	120°
Finishing	Grey RAL 7035
RAL-Number	7035
Colour rendering index (CRI)	> 80
Impact strength (IK)	IK08
Protection class	I
Risk group (EN 62471)	RG1
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 1%
Power factor	> 0.9
Input wire Ø (mm ²)	1mm ² - 2.5mm ²
Internal wiring (mm ²)	3x2.5 mm ²
Input cable Ø (mm ²)	5 - 11 mm ²

Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Polycarbonate
UV resistant	Yes
Optical material	Polycarbonate
Mounting clips	Stainless steel

Ambient Conditions	
Operating temperature	-20 - 45°C
Operating temperature (EM)	0 - 45°C
Application temperature	25°C
Storage environment	-30 - 50°C
Storage environment (EM)	0 - 60°C

Dimensional Drawing (mm)



Type	A	B	C
L06	655	62	68
L12	1255	62	68
L15	1555	62	68

Product Highlights





Waterproof EcoMax G4

- Waterproof luminaire in “sealed-for-life” concept
- High Efficacy of up to 160 lm/W
- Quick & easy installation due to twist-and-lock endcap
- Standard equipped with Power switch
- Versions with integrated CCT-switch for color selection (4000K/5700K) available
- DALI dimmable versions available for extra energy saving
- Supplied with vandal-proof stainless steel ceiling and suspension clips
- Equipped with 3x2.5mm² throughwiring



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
On-Off							
531000041900	LEDWaterproof-E4 L06-11/18W-840	TL 1/2x18W	11 - 18	1650 - 2700	150	4000	0.586
531000042900	LEDWaterproof-E4 L06-11/18W-840/857	TL 1/2x18W	11 - 18	1650 - 2700	150	4K/5.7K	0.972
531000042000	LEDWaterproof-E4 L06-11/18W-857	TL 1/2x18W	11 - 18	1650 - 2700	150	5700	0.972
531000042200	LEDWaterproof-E4 L12-18/33W-840	TL 1/2x36W	18 - 33	2880 - 5280	160	4000	0.972
531000043000	LEDWaterproof-E4 L12-18/33W-840/857	TL 1/2x36W	18 - 33	2880 - 5280	160	4K/5.7K	1.13
531000042300	LEDWaterproof-E4 L12-18/33W-857	TL 1/2x36W	18 - 33	2880 - 5280	160	5700	1.13
531000042500	LEDWaterproof-E4 L15-23/43W-840	TL 1/2x58W	23 - 43	3680 - 6880	160	4000	1.13
531000043100	LEDWaterproof-E4 L15-23/43W-840/857	TL 1/2x58W	23 - 43	3680 - 6880	160	4K/5.7K	1.13
531000042600	LEDWaterproof-E4 L15-23/43W-857	TL 1/2x58W	23 - 43	3680 - 6880	160	5700	1.13
531000042700	LEDWaterproof-E4 L15-42/52W-840	TL 1/2x58W	42 - 52	6720 - 8320	160	4000	1.13
531000043200	LEDWaterproof-E4 L15-42/52W-840/857	TL 1/2x58W	42 - 52	6720 - 8320	160	4K/5.7K	0.586
531000042800	LEDWaterproof-E4 L15-42/52W-857	TL 1/2x58W	42 - 52	6720 - 8320	160	5700	0.586
DALI2							
531000043300	LEDWaterproof-E4 L06-18W-DALI-840	TL 1x18W	18	2700	150	4000	0.586
531000043500	LEDWaterproof-E4 L12-33W-DALI-840	TL 1x58W	33	5280	160	4000	0.972
531000043700	LEDWaterproof-E4 L15-52W-DALI-840	TL 1x80W	52	8320	160	4000	1.13

Technical Specifications	
Lifetime (L70)	100,000 h
Lifetime (L80)	100,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	On-Off / DALI2
Beam angle	120°
Finishing	Grey RAL 7035
RAL-Number	7035
Colour rendering index (CRI)	> 80
Ingress Protection (IP)	IP66
Impact strength (IK)	IK08
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	850°C
Driver failure rate (at 5,000 hrs)	< 1%
Power factor	> 0.95

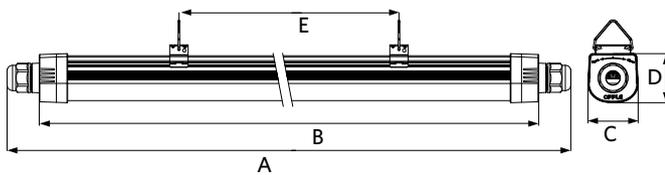
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Polycarbonate
UV resistant	No
Mounting clips	Stainless steel

Ambient Conditions	
Operating temperature	-30 - 45°C
Application temperature	25°C
Storage environment	-30 - 60°C

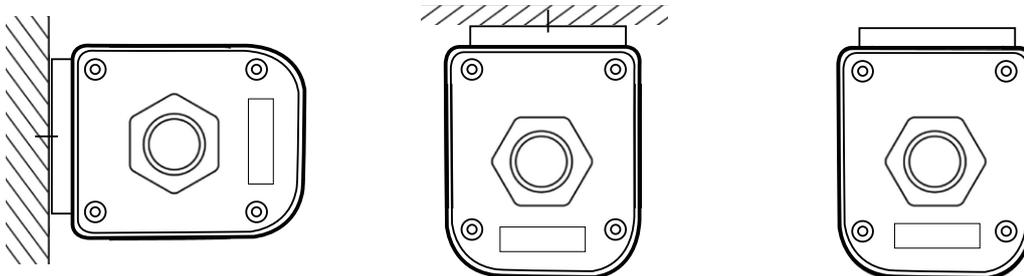


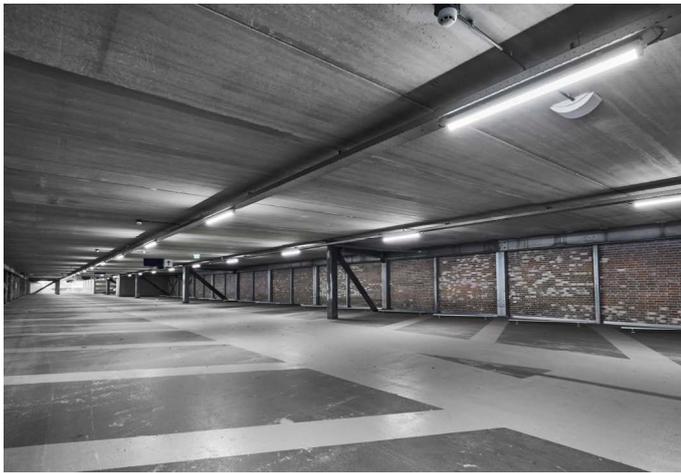
Dimensional Drawing (mm)



Type	A	B	C	D	E
L06	680	600	63	62	350
L12	1280	1200	63	62	800
L15	1580	1500	63	62	950

Installation Possibilities





Waterproof Basic G2

- Cost effective “sealed-for-life” waterproof luminaire
- Improved Efficacy of 130 lm/W
- Standard equipped with wirethrough for faster installation
- Available in two CCTs (4000K/6500K)
- Easy, tool-less installation for electrical connection
- Supplied with stainless steel ceiling and suspension clips



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
On-Off							
711000004600	LED Waterproof-B2 L1200-36W-840	TL 2x36W	36	4680	130	4000	0.66
711000004500	LED Waterproof-B2 L1200-36W-865	TL 2x36W	36	4680	130	6500	0.66
711000005000	LED Waterproof-B2 L1500-50W-840	TL 2x58W	50	6500	130	4000	0.82
711000004900	LED Waterproof-B2 L1500-50W-865	TL 2x58W	50	6500	130	6500	0.82

Technical Specifications	
Lifetime (L70)	50,000 h
Lifetime (L80)	30,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	5
Dimmability	On-Off
Beam angle	110°
Finishing	Grey RAL 7035
RAL-Number	7035
Colour rendering index (CRI)	> 80
Ingress Protection (IP)	IP65
Impact strength (IK)	IK08
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 0.5%
Power factor	> 0.9
Input wire Ø (mm ²)	1mm ² - 2.5mm ²
Internal wiring (mm ²)	3x1.5 mm ²
Input cable Ø (mm ²)	5 - 9 mm ²

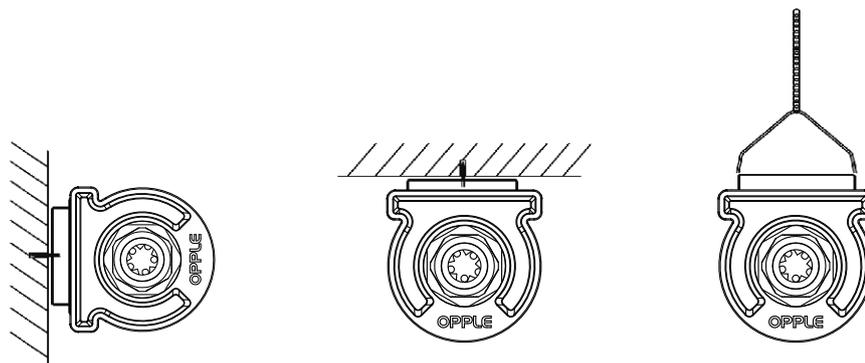
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Polycarbonate
Optical material	Polycarbonate
Mounting clips	Stainless steel

Ambient Conditions	
Operating temperature	-20 - 45°C
Application temperature	25°C
Storage environment	-30 - 50°C



Installation Possibilities



Product Highlights





Waterproof Batten

- Cost effective IP65 Waterproof solution
- Slim and compact design
- 1m cable with IP65-connector
- Perfect light uniformity
- Supplied with stainless steel mounting clips, movable along the entire length of the fixture



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
On-Off							
531000022800	LEDWaterproof-Batten L06-18W-840	TL 1x36W	18	2000	110	4000	0.25
531000022900	LEDWaterproof-Batten L12-36W-840	TL 2x36W	36	4000	110	4000	0.28
531000023000	LEDWaterproof-Batten L15-50W-840	TL 2x58W	50	5500	110	4000	0.553

Technical Specifications	
Lifetime (L70)	30,000 h
On-/Off-cycles	60,000
Colour consistency (SDCM)	4
Dimmability	On-Off
Beam angle	120°
Finishing	Grey Pantone 419U
Colour rendering index (CRI)	> 80
Ingress Protection (IP)	IP65
Impact strength (IK)	IK06
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 1%
Power factor	> 0.9

Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	No

Mechanical Properties	
Housing material	Polycarbonate
Optical material	Polycarbonate
Mounting clips	Stainless steel

Ambient Conditions	
Operating temperature	-20 - 40°C
Application temperature	25°C
Storage environment	-20 - 40°C

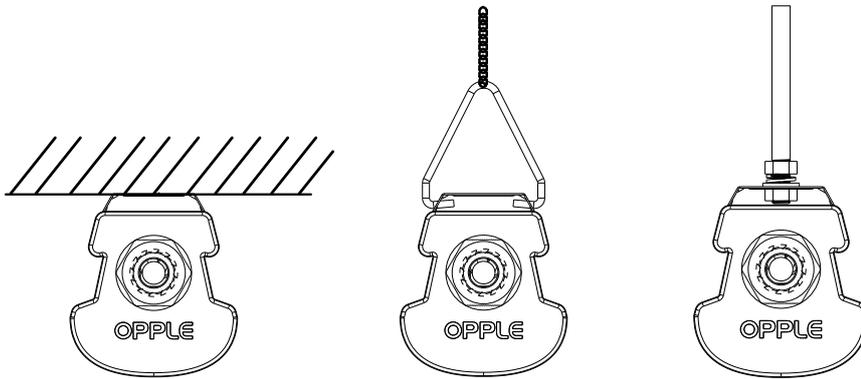


Dimensional Drawing (mm)



Type	A	B	C
L06	598	48	48
L12	1198	48	48
L15	1498	48	48

Installation Possibilities



Product Highlights





Waterproof Classic Housing

- Waterproof housing for use with LED TL tubes (tubes excluded)
- Flexible wiring options on side and backside
- Future-proof solution due to serviceability and upgradability of lamps
- Equipped with 3x1.5mm² throughwiring
- Perfect in combination with the OPPLE LED T8 Tubes

IK08

IP65

Specifications

Item Code	Item Description	Net Weight (kg/pc)
Housing		
531001001900	LEDWaterproof-CLA Housing L600-T8-1x	0.37
531001002000	LEDWaterproof-CLA Housing L600-T8-2x	0.53
531001002100	LEDWaterproof-CLA Housing L1200-T8-1x	0.665
531001002200	LEDWaterproof-CLA Housing L1200-T8-2x	0.89
531001002300	LEDWaterproof-CLA Housing L1500-T8-1x	0.89
531001002400	LEDWaterproof-CLA Housing L1500-T8-2x	1.13

Technical Specifications

Beam angle	120°
Finishing	Grey RAL 7035
RAL-Number	7035
Ingress Protection (IP)	IP65
Impact strength (IK)	IK08
Input wire Ø (mm ²)	1mm ² - 2.5mm ²
Internal wiring (mm ²)	3x1.5 mm ²
Input cable Ø (mm ²)	7 - 11.5 mm ²

Electrical Supply

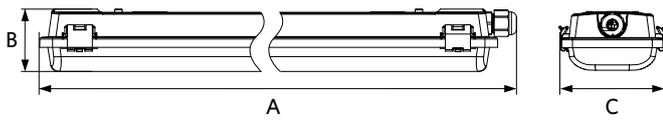
Nominal voltage	220 - 240 V
DC input voltage	No

Mechanical Properties

Housing material	Polycarbonate
Optical material	Polycarbonate
Mounting clips	Stainless steel

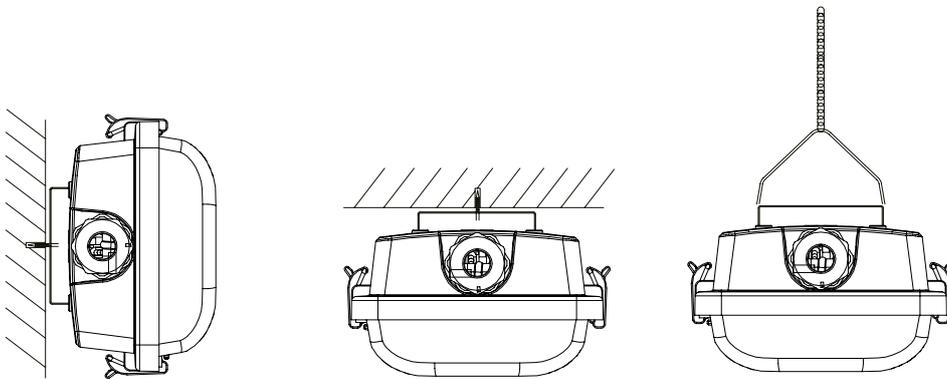


Dimensional Drawing (mm)



Type	A	B	C
L600 1X	666	58	60
L600 2X	666	58	99
L1200 1X	1276	58	60
L1200 2X	1276	58	99
L1500 1X	1576	58	60
L1500 2X	1576	58	99

Installation Possibilities







Smart 14

Indoor 36

Outdoor 186

Lamps & Tools 218

Technical Data 242

Glossary 254



Roadlight Stratus

- Modern-looking Roadlight solution with high Efficacy up to 150 lm/W
- DALI2 versions equipped with midnight dimming (configuration module needed)
- Available with D4i-Driver and Zhaga socket for easy integration in third party Smart City Control Systems (Zhaga control module not included)
- Advanced optical design with multiple light distribution options
- Easy installation and maintenance via openable driver compartment
- Flexible and adjustable pole connector (60mm & 76mm) for both side entry and pole top mounting (order separately)



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Net Weight (kg/pc)
On-Off								
705000095800	LEDRoad-St-P2 Re488-20W-730	HID 50W	20	3000	150	3000	143° x 70°	4.1
705000095900	LEDRoad-St-P2 Re488-20W-740	HID 50W	20	3000	150	4000	143° x 70°	4.1
705000098900	LEDRoad-St-P2 Re488-20W-730-XAS	HID 50W	20	3000	150	3000	160° x 93°	4.1
705000099000	LEDRoad-St-P2 Re488-20W-740-XAS	HID 50W	20	3000	150	4000	160° x 93°	4.1
705000096400	LEDRoad-St-P2 Re488-40W-730	HID 70W	40	6000	150	3000	143° x 70°	4.1
705000096500	LEDRoad-St-P2 Re488-40W-740	HID 70W	40	6000	150	4000	143° x 70°	4.1
705000097900	LEDRoad-St-P2 Re488-40W-730-XAS	HID 70W	40	6000	150	3000	160° x 93°	4.1
705000098000	LEDRoad-St-P2 Re488-40W-740-XAS	HID 70W	40	6000	150	4000	160° x 93°	4.1
705000067400	LEDRoad-St-P2 Re488-60W-730	HID 100W	60	9000	150	3000	143° x 70°	4.3
705000068800	LEDRoad-St-P2 Re488-60W-740	HID 100W	60	9000	150	4000	143° x 70°	4.3
705000066800	LEDRoad-St-P2 Re488-80W-730	HID 150W	80	12000	150	3000	143° x 70°	4.3
705000068000	LEDRoad-St-P2 Re488-80W-740	HID 150W	80	12000	150	4000	143° x 70°	4.3
705000068200	LEDRoad-St-P2 Re587-120W-730	HID 150W	120	18000	150	3000	143° x 70°	6.7
705000066600	LEDRoad-St-P2 Re587-120W-740	HID 150W	120	18000	150	4000	143° x 70°	6.7
705000067700	LEDRoad-St-P2 Re587-150W-730	HID 250W	150	22500	150	3000	143° x 70°	6.7
705000068100	LEDRoad-St-P2 Re587-150W-740	HID 250W	150	22500	150	4000	143° x 70°	6.7
DALI2/D4i								
705000096000	LEDRoad-St-P2 Re488-20W-DALI-730	HID 50W	20	3000	150	3000	143° x 70°	4.1
705000096100	LEDRoad-St-P2 Re488-20W-DALI-740	HID 50W	20	3000	150	4000	143° x 70°	4.1
705000098800	LEDRoad-St-P2 Re488-20W-DALI-730-XAS	HID 50W	20	3000	150	3000	160° x 93°	4.1
705000098700	LEDRoad-St-P2 Re488-20W-DALI-740-XAS	HID 50W	20	3000	150	4000	160° x 93°	4.1
705000096600	LEDRoad-St-P2 Re488-40W-DALI-730	HID 70W	40	6000	150	3000	143° x 70°	4.1
705000096700	LEDRoad-St-P2 Re488-40W-DALI-740	HID 70W	40	6000	150	4000	143° x 70°	4.1
705000098100	LEDRoad-St-P2 Re488-40W-DALI-730-XAS	HID 70W	40	6000	150	3000	160° x 93°	4.1
705000098200	LEDRoad-St-P2 Re488-40W-DALI-740-XAS	HID 70W	40	6000	150	4000	160° x 93°	4.1

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Net Weight (kg/pc)
705000068600	LEDRoad-St-P2 Re488-60W-DALI-730	HID 100W	60	9000	150	3000	143° x 70°	4.3
705000067000	LEDRoad-St-P2 Re488-60W-DALI-740	HID 100W	60	9000	150	4000	143° x 70°	4.3
705000067900	LEDRoad-St-P2 Re488-80W-DALI-730	HID 150W	80	12000	150	3000	143° x 70°	4.3
705000067300	LEDRoad-St-P2 Re488-80W-DALI-740	HID 150W	80	12000	150	4000	143° x 70°	4.3
705000067800	LEDRoad-St-P2 Re587-120W-DALI-730	HID 150W	120	18000	150	3000	143° x 70°	6.7
705000068300	LEDRoad-St-P2 Re587-120W-DALI-740	HID 150W	120	18000	150	4000	143° x 70°	6.7
705000067200	LEDRoad-St-P2 Re587-150W-DALI-730	HID 250W	150	22500	150	3000	143° x 70°	6.7
705000067600	LEDRoad-St-P2 Re587-150W-DALI-740	HID 250W	150	22500	150	4000	143° x 70°	6.7
DALI2/D4i/Zhaga								
705000096200	LEDRoad-St-P2 Re488-20W-DALI-730-ZH	HID 50W	20	3000	150	3000	143° x 70°	4.1
705000096300	LEDRoad-St-P2 Re488-20W-DALI-740-ZH	HID 50W	20	3000	150	4000	143° x 70°	4.1
705000098600	LEDRoad-St-P2 Re488-20W-DALI-730-XAS-ZH	HID 50W	20	3000	150	3000	160° x 93°	4.1
705000098500	LEDRoad-St-P2 Re488-20W-DALI-740-XAS-ZH	HID 50W	20	3000	150	4000	160° x 93°	4.1
705000096800	LEDRoad-St-P2 Re488-40W-DALI-730-ZH	HID 70W	40	6000	150	3000	143° x 70°	4.1
705000096900	LEDRoad-St-P2 Re488-40W-DALI-740-ZH	HID 70W	40	6000	150	4000	143° x 70°	4.1
705000098300	LEDRoad-St-P2 Re488-40W-DALI-730-XAS-ZH	HID 70W	40	6000	150	3000	160° x 93°	4.1
705000098400	LEDRoad-St-P2 Re488-40W-DALI-740-XAS-ZH	HID 70W	40	6000	150	4000	160° x 93°	4.1
705000066900	LEDRoad-St-P2 Re488-60W-DALI-730-ZH	HID 100W	60	9000	150	3000	143° x 70°	4.3
705000067500	LEDRoad-St-P2 Re488-60W-DALI-740-ZH	HID 100W	60	9000	150	4000	143° x 70°	4.3
705000066700	LEDRoad-St-P2 Re488-80W-DALI-730-ZH	HID 150W	80	12000	150	3000	143° x 70°	4.3
705000068700	LEDRoad-St-P2 Re488-80W-DALI-740-ZH	HID 150W	80	12000	150	4000	143° x 70°	4.3
705000068500	LEDRoad-St-P2 Re587-120W-DALI-730-ZH	HID 150W	120	18000	150	3000	143° x 70°	6.7
705000068400	LEDRoad-St-P2 Re587-120W-DALI-740-ZH	HID 150W	120	18000	150	4000	143° x 70°	6.7
705000067100	LEDRoad-St-P2 Re587-150W-DALI-730-ZH	HID 250W	150	22500	150	3000	143° x 70°	6.7
705000068900	LEDRoad-St-P2 Re587-150W-DALI-740-ZH	HID 250W	150	22500	150	4000	143° x 70°	6.7

For more technical information, please go to the appendix.

Accessories



705098003700
LEDStreetlight Pole-Top-60-Adapter-60



705098003400
LEDStreetlight Pole-Top-76-Adapter-60



705098003600
LEDStreetlight Wall-Bracket-60



705098005500
LEDStreetlight Pole-Top-60-Adapter-2x60



705098008300
Pole Adapter-Road-St-P2-60mm



705098008400
Pole Adapter-Road-St-P2-76mm

The Pole Adapter is a mandatory accessory to use a Stratus Roadlight

Technical Specifications	
Lifetime (L80)	100,000 h
Lifetime (L90)	60,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	5
Dimmability	On-Off / DALI2
Maximum tilt angle	15°
Finishing	Grey RAL 870-3
RAL-Number	870
Colour rendering index (CRI)	> 70
Ingress Protection (IP)	IP66
Impact strength (IK)	IK08
Protection class	II (I on request)
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	850°C
Driver failure rate (at 5,000 hrs)	< 0.5%
Power factor	> 0.9
Surge protection (kV)	10kV

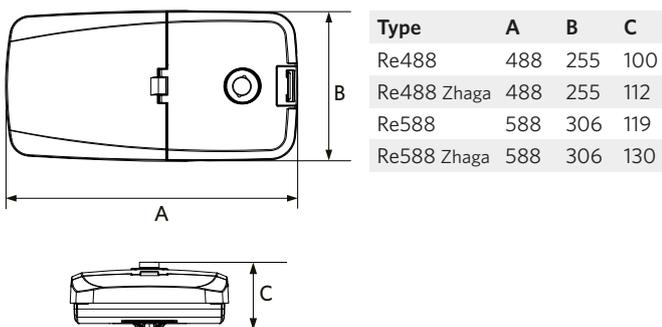
Electrical Supply	
Frequency	50 Hz
Nominal voltage	220 - 240 V
DC input voltage	No / See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Aluminium
Optical material	Polycarbonate
Effective wind area	1300 / 1800 mm ²
Coastal proof	Yes

Ambient Conditions	
Operating temperature	-25 - 45°C
Application temperature	25°C
Storage environment	-40 - 60°C



Dimensional Drawing (mm)



Product Highlights

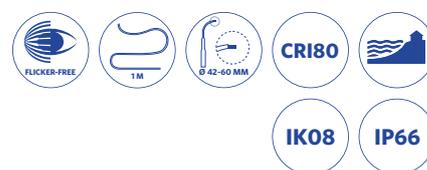






Roadlight EcoMax

- Sleek and compact Roadlight solution
- Advanced optical design optimized for road lighting
- High Efficacy up to 125 lm/W
- Accessories available for many pole types and connections
- Robust die-cast aluminium body
- IP66 and suitable for use on coastal applications



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
On-Off							
705000021800	LEDRoadlight-E 80W-4000	HID 150W	80	10000	125	4000	3.27
705000021900	LEDRoadlight-E 100W-4000	HID 150W	100	12500	125	4000	3.27

For more technical information, please go to the appendix.

Accessories



705000141900
LEDStreet-SE-Extension-
Cable-6m



705098003700
LEDStreetlight Pole-Top-
60-Adapter-60



543098021900
LEDFixture-IP68-Connec-
tor-Kit-3



705098003400
LEDStreetlight Pole-Top-
76-Adapter-60



705098003500
LEDStreetlight 76-Adap-
ter-60



705098003600
LEDStreetlight Wall-Brac-
ket-60



705098005500
LEDStreetlight Pole-Top-
60-Adapter-2x60

Technical Specifications	
Lifetime (L70)	70,000 h
Lifetime (L80)	50,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	On-Off
Beam angle	150° x 80°
Finishing	Grey RAL 870-3
RAL-Number	870
Colour rendering index (CRI)	> 80
Ingress Protection (IP)	IP66
Impact strength (IK)	IK08
Protection class	I
Risk group (EN 62471)	RG1
With control gear	Yes
Glow wire test	850°C
Driver failure rate (at 5,000 hrs)	< 0.5%
Power factor	> 0.9
Surge protection (kV)	6kV

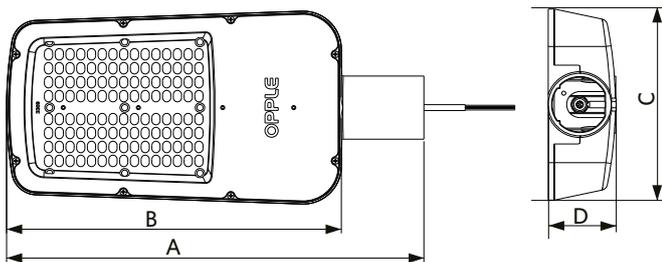
Electrical Supply	
Frequency	50 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications
230V Cable length	1 m

Mechanical Properties	
Housing material	Aluminium
Optical material	Polycarbonate
Effective wind area	900 mm ²
Coastal proof	Yes

Ambient Conditions	
Operating temperature	-40 - 50°C
Application temperature	25°C
Storage environment	-30 - 60°C



Dimensional Drawing (mm)

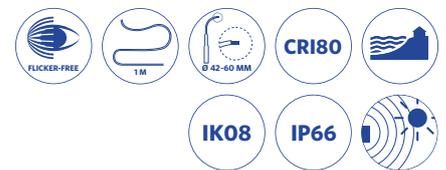


Type	A	B	C	D
80W & 100W	505	405	235	87



Streetlight G2

- Design streetlight luminaire with optimised optical configuration
- High Efficacy up to 125 lm/W
- Available also with Daylight Detection Sensor (DD, 4000K)
- Accessories available for many pole types and connections
- IP66 and suitable for use on coastal applications
- Now with 42-60mm pole entry



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
On-Off							
705000021000	LEDStreetlight-E2 20W-3000	HID 50W	20	2300	115	3000	1.27
705000021500	LEDStreetlight-E2 20W-4000	HID 50W	20	2500	125	4000	1.27
705000021100	LEDStreetlight-E2 40W-3000	HID 70W	40	4700	118	3000	1.27
705000021600	LEDStreetlight-E2 40W-4000	HID 70W	40	5000	125	4000	1.27
705000021200	LEDStreetlight-E2 60W-3000	HID 100W	60	7100	118	3000	1.27
705000021700	LEDStreetlight-E2 60W-4000	HID 100W	60	7500	125	4000	1.27
Daylight detection							
705000022000	LEDStreetlight-E2 20W-4000-DD	HID 50W	20	2500	125	4000	1.32
705000022100	LEDStreetlight-E2 40W-4000-DD	HID 70W	40	5000	125	4000	1.32
705000022200	LEDStreetlight-E2 60W-4000-DD	HID 100W	60	7500	125	4000	1.32

For more technical information, please go to the appendix.

Accessories



705098003700
LEDStreetlight Pole-Top-60-Adapter-60



543098021900
LEDFixture-IP68-Connector-Kit-3



705098003400
LEDStreetlight Pole-Top-76-Adapter-60



705098003500
LEDStreetlight 76-Adapter-60



705098003600
LEDStreetlight Wall-Bracket-60



705098005500
LEDStreetlight Pole-Top-60-Adapter-2x60



705000141900
LEDStreet-SE-Extension-Cable-6m

Technical Specifications

Lifetime (L70)	70,000 h
Lifetime (L80)	50,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	On-Off
Sensor type	No sensor / Daylight detection (DD)
Sensor technology	No sensor / Illumination sensor
Beam angle	145° x 80°
Finishing	Grey RAL 870-3
RAL-Number	870
Colour rendering index (CRI)	> 80
Ingress Protection (IP)	IP66
Impact strength (IK)	IK08
Protection class	I
Risk group (EN 62471)	RG1
With control gear	Yes
Glow wire test	850°C
Driver failure rate (at 5,000 hrs)	< 0.5%
Power factor	> 0.9
Surge protection (kV)	4kV

Electrical Supply

Frequency	50 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications
230V Cable length	1 m

Mechanical Properties

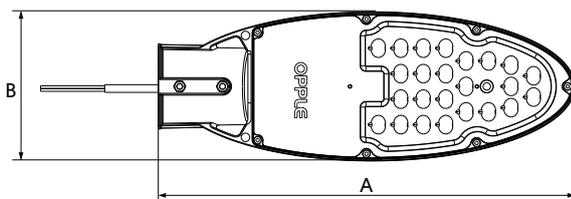
Housing material	Aluminium
Optical material	Polycarbonate
Effective wind area	400 mm ²
Coastal proof	Yes

Ambient Conditions

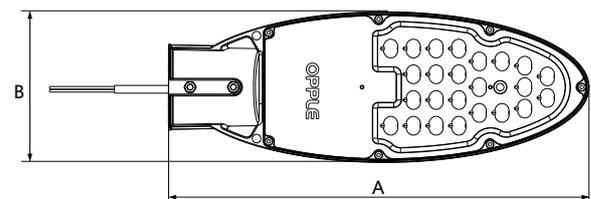
Operating temperature	-40 - 50°C
Application temperature	25°C
Storage environment	-30 - 60°C



Dimensional Drawing (mm)



A B C
389 140 88



A B C D
389 140 88 107



Post Top Polaris

- The new Post Top Polaris enhances outdoor spaces with its clean, modern aesthetic
- Die-cast aluminum body ensures efficient heat dissipation and long-lasting durability
- Integrated CCT switch offers seamless selection between 3000K and 4000K
- Available in On/Off and DALI2-controlled versions to meet diverse project requirements
- Efficient Power Options of 15W, 25W, or 35W in On/Off version
- Specialized optics to reduce glare while adapting to various applications
- Pole adapter of 76mm and conversion kit are included in the package (48mm - 76mm)
- IP66 and suitable for use on coastal applications



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Net Weight (kg/pc)
On-Off								
718004002400	LEDPostTop-Po-P Rd160-15/35W-730/740-AS	HID 50W	15 - 35	1950/3150/4375	125	3K/4K	47° x 191°	3.2
718004002100	LEDPostTop-Po-P Rd160-15/35W-730/740-W	HID 50W	15 - 35	1950/3150/4550	130	3K/4K	187° x 187°	3.2
718004001500	LEDPostTop-Po-P Rd550-15/35W-730/740-AS	HID 50W	15 - 35	1950/3150/4375	125	3K/4K	47° x 191°	4.5
718004001900	LEDPostTop-Po-P Rd550-15/35W-730/740-W	HID 50W	15 - 35	1950/3150/4550	130	3K/4K	187° x 187°	4.5
DALI2								
718004002000	LEDPostTop-Po-P Rd160-35W-DA-730/740-AS	HID 50W	35	4375	125	3K/4K	47° x 191°	3.2
718004002200	LEDPostTop-Po-P Rd160-35W-DA-730/740-W	HID 50W	35	4550	130	3K/4K	187° x 187°	3.2
718004001700	LEDPostTop-Po-P Rd550-35W-DA-730/740-AS	HID 50W	35	4375	125	3K/4K	47° x 191°	4.5
718004002500	LEDPostTop-Po-P Rd550-35W-DA-730/740-W	HID 50W	35	4550	130	3K/4K	187° x 187°	4.5

Accessories



543098022000
LEDFixture-IP68-Connector-Kit-5



543098021900
LEDFixture-IP68-Connector-Kit-3

705000141900
LEDStreet-SE-Extension-Cable-6m

Technical Specifications	
Lifetime (L70)	100,000 h
Lifetime (L80)	70,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	5
Dimmability	On-Off / DALI2
Finishing	Grey RAL 870-3
Colour rendering index (CRI)	> 70
Ingress Protection (IP)	IP66
Impact strength (IK)	IK08
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	850°C
Driver failure rate (at 5,000 hrs)	< 1%
Power factor	> 0.9
Surge protection (kV)	6kV

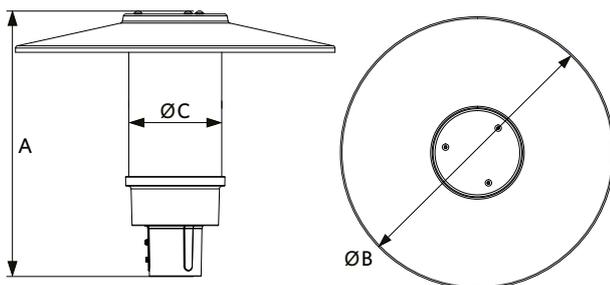
Electrical Supply	
Frequency	50 Hz
Nominal voltage	176 - 264 V
DC input voltage	No

Mechanical Properties	
Housing material	Aluminium
Cover material	Polycarbonate
Effective wind area	800 / 1000 mm ²
Coastal proof	Yes

Ambient Conditions	
Operating temperature	-30 - 50°C
Application temperature	25°C
Storage environment	-40 - 60°C



Dimensional Drawing (mm)



Type	A	B	C
Rd160	460	175	160
Rd550	450	550	160



Post Top

- Professional post-top solution with optimal light performance
- Integrates well into existing landscape
- Different optics to suit the application and reduce glare
- Die casted aluminium body for optimal heat dissipation
- DALI2 driver compatible with 230V push dimming
- Available in two pole sizes for more application flexibility
- IP66 and suitable for use on coastal applications



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Net Weight (kg/pc)
On-Off								
543016006000	LEDPostTop-P 33W-3000-W	HID 50W	33	4300	130	3000	160°	7.68
708000000400	LEDPostTop-P 33W-3000-W-D76	HID 50W	33	4300	130	3000	160°	7.68
543016005700	LEDPostTop-P 33W-3000-AS	HID 50W	33	4000	120	3000	45° x 150°	7.68
708000000100	LEDPostTop-P 33W-3000-AS-D76	HID 50W	33	4000	120	3000	45° x 150°	7.68
543016006600	LEDPostTop-P 33W-4000-W	HID 50W	33	4500	135	4000	160°	7.68
708000001000	LEDPostTop-P 33W-4000-W-D76	HID 50W	33	4500	135	4000	160°	7.68
543016006300	LEDPostTop-P 33W-4000-AS	HID 50W	33	4100	125	4000	50° x 150°	7.68
708000000700	LEDPostTop-P 33W-4000-AS-D76	HID 50W	33	4100	125	4000	50° x 150°	7.68
543016006100	LEDPostTop-P 50W-3000-W	HID 70W	50	6500	130	3000	155°	7.72
708000000500	LEDPostTop-P 50W-3000-W-D76	HID 70W	50	6500	130	3000	155°	7.72
543016005800	LEDPostTop-P 50W-3000-AS	HID 70W	50	6000	120	3000	40° x 150°	7.72
708000000200	LEDPostTop-P 50W-3000-AS-D76	HID 70W	50	6000	120	3000	40° x 150°	7.72
543016006700	LEDPostTop-P 50W-4000-W	HID 70W	50	6800	135	4000	155°	7.72
708000001100	LEDPostTop-P 50W-4000-W-D76	HID 70W	50	6800	135	4000	155°	7.72
543016006400	LEDPostTop-P 50W-4000-AS	HID 70W	50	6300	125	4000	40° x 150°	7.72
708000000800	LEDPostTop-P 50W-4000-AS-D76	HID 70W	50	6300	125	4000	40° x 150°	7.72
DALI2								
708000003900	LEDPostTop-P 33W-DALI-730-W	HID 50W	33	4300	130	3000	160°	7.68
708000004000	LEDPostTop-P 33W-DALI-730-W-D76	HID 50W	33	4300	130	3000	160°	7.68
708000005300	LEDPostTop-P 33W-DALI-730-AS	HID 50W	33	4000	120	3000	50° x 150°	7.68
708000003800	LEDPostTop-P 33W-DALI-730-AS-D76	HID 50W	33	4000	120	3000	50° x 150°	7.68
708000004200	LEDPostTop-P 33W-DALI-740-W	HID 50W	33	4500	135	4000	160°	7.68
708000004300	LEDPostTop-P 33W-DALI-740-W-D76	HID 50W	33	4500	135	4000	160°	7.68
708000005200	LEDPostTop-P 33W-DALI-740-AS	HID 50W	33	4100	125	4000	50° x 150°	7.68
708000004100	LEDPostTop-P 33W-DALI-740-AS-D76	HID 50W	33	4100	125	4000	50° x 150°	7.68
708000004600	LEDPostTop-P 50W-DALI-730-W	HID 70W	50	6500	130	3000	155°	7.72

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Net Weight (kg/pc)
708000004700	LEDPostTop-P 50W-DALI-730-W-D76	HID 70W	50	6500	130	3000	155°	7.72
708000004400	LEDPostTop-P 50W-DALI-730-AS	HID 70W	50	6000	120	3000	40° x 150°	7.72
708000004500	LEDPostTop-P 50W-DALI-730-AS-D76	HID 70W	50	6000	120	3000	40° x 150°	7.72
708000005000	LEDPostTop-P 50W-DALI-740-W	HID 70W	50	6800	135	4000	155°	7.72
708000005100	LEDPostTop-P 50W-DALI-740-W-D76	HID 70W	50	6800	135	4000	155°	7.72
708000004800	LEDPostTop-P 50W-DALI-740-AS	HID 70W	50	6300	125	4000	40° x 150°	7.72
708000004900	LEDPostTop-P 50W-DALI-740-AS-D76	HID 70W	50	6300	125	4000	40° x 150°	7.72

For more technical information, please go to the appendix.

Accessories



543098022000
LEDFixture-IP68-Connector-Kit-5



543098021900
LEDFixture-IP68-Connector-Kit-3

705000141900
LEDStreet-SE-Extension-Cable-6m

Technical Specifications

Lifetime (L70)	100,000 h
Lifetime (L80)	70,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	5
Dimmability	On-Off / DALI2
Finishing	Grey RAL 870-3
Colour rendering index (CRI)	> 70
Ingress Protection (IP)	IP66
Impact strength (IK)	IK08
Protection class	I
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	850°C
Driver failure rate (at 5,000 hrs)	< 0.5%
Power factor	> 0.9
Surge protection (kV)	10kV

Electrical Supply

Frequency	50 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties

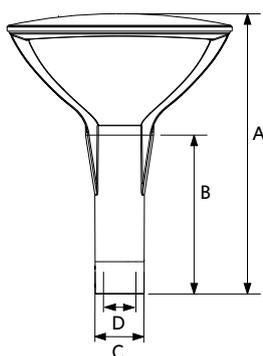
Housing material	Aluminium
Optical material	Polycarbonate
Cover material	Tempered glass
Effective wind area	1590 mm ²
Coastal proof	Yes

Ambient Conditions

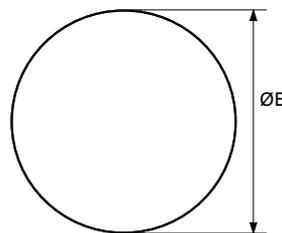
Operating temperature	-30 - 50°C
Application temperature	25°C
Storage environment	-40 - 60°C



Dimensional Drawing (mm)



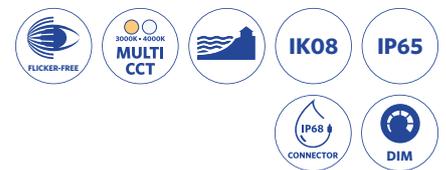
Type	A	B	C	D	E
D60	565	320	98	60	450
D76	565	320	98	76	450





Bollard / Wall Light Leo

- Stylish black Bollard and Wall light family
- Available with advanced transparent (CL) and comfortable diffusive (FR) light module
- Exchangeable luminaire head for Bollard and Wall Light
- Integrated CCT switch for color selection (3000K-4000K)
- IP65 waterproof and IK08 impact resistance
- Standard triac dimmable



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
Dimmable (Triac)							
703000005900	LEDBollard-Leo-P L400-8W-830/840-CL	Halogen 60W	8	620	78	3K/4K	1.15
703000006000	LEDBollard-Leo-P L750-8W-830/840-CL	Halogen 60W	8	620	78	3K/4K	1.8
703000006100	LEDBollard-Leo-P L1000-8W-830/840-CL	Halogen 60W	8	620	78	3K/4K	2.3
703000005600	LEDBollard-Leo-P L400-8W-830/840-FR	Halogen 60W	8	530	67	3K/4K	1.15
703000005700	LEDBollard-Leo-P L750-8W-830/840-FR	Halogen 60W	8	530	67	3K/4K	1.8
703000005800	LEDBollard-Leo-P L1000-8W-830/840-FR	Halogen 60W	8	530	67	3K/4K	2.3
715000011200	LEDWalllight-Leo-P 8W-830/840-CL	Halogen 60W	8	620	78	3K/4K	1
715000011100	LEDWalllight-Leo-P 8W-830/840-FR	Halogen 60W	8	530	67	3K/4K	1

Accessories



705000141900
LEDStreet-SE-Extension-
Cable-6m



821017003600
LEDSmart-BLE2-Relay-
250W-DIM



703000006200
LEDBollard-Leo-P Concre-
te-Mounting-Kit

Technical Specifications	
Lifetime (L70)	70,000 h
Lifetime (L80)	50,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	Triac
Finishing	Black RAL 9005
Colour rendering index (CRI)	> 80
Ingress Protection (IP)	IP65
Impact strength (IK)	IK08
Protection class	I
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	850°C
Driver failure rate (at 5,000 hrs)	< 0.5%
Power factor	> 0.9
Surge protection (kV)	1kV

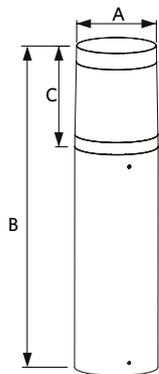
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	No

Mechanical Properties	
Housing material	Aluminium
Optical material	Polycarbonate
Cover material	Polycarbonate
Coastal proof	Yes

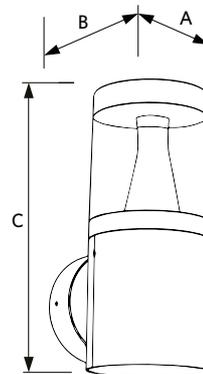
Ambient Conditions	
Operating temperature	-20 - 45°C
Application temperature	25°C
Storage environment	-25 - 60°C



Dimensional Drawing (mm)



Type	A	B	C
L400	100	400	125
L750	100	750	125
L1000	100	1000	125



A	B	C
100	142	230



Spot Projector

- Stylish outdoor spot with a sleek award-winning design
- Suitable for illuminating walls and signages or highlighting objects in parks and gardens
- IP66 water resistance level and IK07 impact protection
- Adjustable tilting angle of 180°
- Die casted aluminium body
- 1.5 meter cable for convenient connection
- Earth spike accessory available



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
On-Off							
709000027000	LEDSpotProjector-E Rd82-8W-830-36D	Halogen 50W	8	600	75	3000	0.72
709000027400	LEDSpotProjector-E Rd127-15W-830-36D	Halogen 75W	15	1200	80	3000	0.95

Accessories



543098021900
LEDFixture-IP68-Connector-Kit-3



709098000200
LEDProjector-Spike



705000141900
LEDStreet-SE-Extension-Cable-6m

Technical Specifications	
Lifetime (L70)	50,000 h
Lifetime (L80)	30,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4.0
Dimmability	On-Off
Beam angle	36°
Finishing	Matte Black
RAL-Number	9004
Colour rendering index (CRI)	> 80
Ingress Protection (IP)	IP66
Impact strength (IK)	IK07
Protection class	I
Risk group (EN 62471)	RG1
With control gear	Yes
Glow wire test	850°C
Driver failure rate (at 5,000 hrs)	< 1.0%
Surge protection (kV)	2.5kV

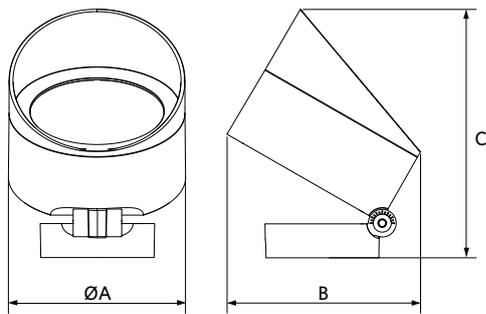
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Aluminium
Optical material	Polycarbonate

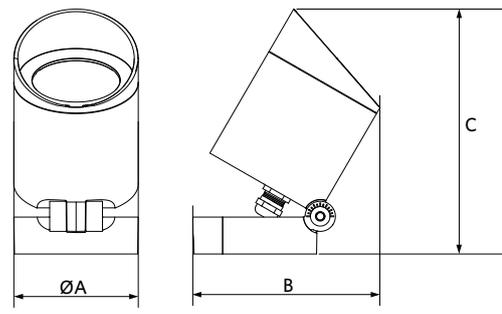
Ambient Conditions	
Operating temperature	-30 - 50°C
Application temperature	25°C
Storage environment	-30 - 60°C



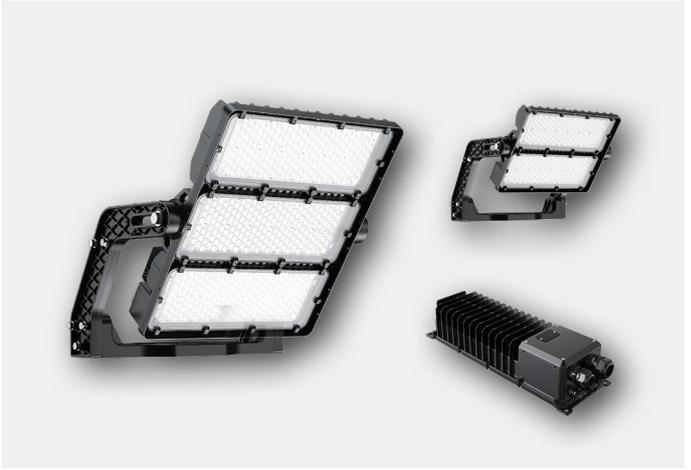
Dimensional Drawing (mm)



Type	A	B	C
Rd127	127	140	180



Type	A	B	C
Rd82	83	124	163



Floodlight Olympus G2

- Powerful professional floodlighting solution for Sports and Area lighting
- All-in-one LED driver with flexible mounting methods and 220-400VAC power input needs to be ordered separately
- Standard compatible with DALI2 / 1-10V dimming. DMX dimming possible upon request
- Optimized XAS beam angle available
- High Efficacy up to 160 lm/W
- Different optics to illuminate sport pitches (Class II/III EN 12193:2018) and open areas
- Robust design: full IP66 and IK08 protection, including safety cable
- Equipped with breather to prevent condensation
- Aiming device for perfect alignment available as accessory
- 2 types of Visors available as accessory, to minimize light pollution



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Net Weight (kg/pc)
Luminaire (excluding driver)								
720001012000	LED Flood Oly-P2 Re600-600W-730-N-LUM	HID 1000W	600	90000	150	3000	45°	15.23
720001012100	LED Flood Oly-P2 Re600-600W-730-W-LUM	HID 1000W	600	90000	150	3000	60°	15.23
720001012200	LED Flood Oly-P2 Re600-600W-730-XAS-LUM	HID 1000W	600	78000	130	3000	25° x 108°	15.23
720001012700	LED Flood Oly-P2 Re600-600W-730-XN-LUM	HID 1000W	600	90000	150	3000	30°	15.23
720001014400	LED Flood Oly-P2 Re600-600W-740-N-LUM	HID 1000W	600	96000	160	4000	45°	15.23
720001011600	LED Flood Oly-P2 Re600-600W-740-W-LUM	HID 1000W	600	96000	160	4000	60°	15.23
720001013200	LED Flood Oly-P2 Re600-600W-740-XAS-LUM	HID 1000W	600	84000	140	4000	25° x 108°	15.23
720001008600	LED Flood Oly-P2 Re600-600W-740-XN-LUM	HID 1000W	600	96000	160	4000	30°	15.23
720001012500	LED Flood Oly-P2 Re600-600W-757-N-LUM	HID 1000W	600	96000	160	5700	45°	15.23
720001008900	LED Flood Oly-P2 Re600-600W-757-W-LUM	HID 1000W	600	96000	160	5700	60°	15.23
720001010700	LED Flood Oly-P2 Re600-600W-757-XAS-LUM	HID 1000W	600	84000	140	5700	25° x 108°	15.23
720001012400	LED Flood Oly-P2 Re600-600W-757-XN-LUM	HID 1000W	600	96000	160	5700	30°	15.23
720001009600	LED Flood Oly-P2 Re600-800W-730-N-LUM	HID 1000W	800	120000	150	3000	45°	15.23
720001010100	LED Flood Oly-P2 Re600-800W-730-W-LUM	HID 1000W	800	120000	150	3000	60°	15.23
720001011400	LED Flood Oly-P2 Re600-800W-730-XAS-LUM	HID 1000W	800	108000	135	3000	25° x 108°	15.23
720001010400	LED Flood Oly-P2 Re600-800W-730-XN-LUM	HID 1000W	800	120000	150	3000	30°	15.23
720001013000	LED Flood Oly-P2 Re600-800W-740-N-LUM	HID 1000W	800	128000	160	4000	45°	15.23
720001008500	LED Flood Oly-P2 Re600-800W-740-W-LUM	HID 1000W	800	128000	160	4000	60°	15.23
720001014700	LED Flood Oly-P2 Re600-800W-740-XAS-LUM	HID 1000W	800	112000	140	4000	25° x 108°	15.23
720001011900	LED Flood Oly-P2 Re600-800W-740-XN-LUM	HID 1000W	800	128000	160	4000	30°	15.23
720001010500	LED Flood Oly-P2 Re600-800W-757-N-LUM	HID 1000W	800	128000	160	5700	45°	15.23

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Net Weight (kg/pc)
720001014100	LED Flood Oly-P2 Re600-800W-757-W-LUM	HID 1000W	800	128000	160	5700	60°	15.23
720001012800	LED Flood Oly-P2 Re600-800W-757-XAS-LUM	HID 1000W	800	112000	140	5700	25° x 108°	15.23
720001013700	LED Flood Oly-P2 Re600-800W-757-XN-LUM	HID 1000W	800	128000	160	5700	30°	15.23
720001009900	LED Flood Oly-P2 Re700-1000W-730-N-LUM	HID 2000W	1000	150000	150	3000	45°	19.9
720001011000	LED Flood Oly-P2 Re700-1000W-730-W-LUM	HID 2000W	1000	150000	150	3000	60°	19.9
720001014600	LED Flood Oly-P2 Re700-1000W-730-XAS-LUM	HID 2000W	1000	130000	130	3000	25° x 108°	19.9
720001008700	LED Flood Oly-P2 Re700-1000W-730-XN-LUM	HID 2000W	1000	150000	150	3000	30°	19.9
720001011300	LED Flood Oly-P2 Re700-1000W-740-N-LUM	HID 2000W	1000	160000	160	4000	45°	19.9
720001010900	LED Flood Oly-P2 Re700-1000W-740-W-LUM	HID 2000W	1000	160000	160	4000	60°	19.9
720001009800	LED Flood Oly-P2 Re700-1000W-740-XAS-LUM	HID 2000W	1000	140000	140	4000	25° x 108°	19.9
720001013300	LED Flood Oly-P2 Re700-1000W-740-XN-LUM	HID 2000W	1000	160000	160	4000	30°	19.9
720001014300	LED Flood Oly-P2 Re700-1000W-757-N-LUM	HID 2000W	1000	160000	160	5700	45°	19.9
720001008800	LED Flood Oly-P2 Re700-1000W-757-W-LUM	HID 2000W	1000	160000	160	5700	60°	19.9
720001013900	LED Flood Oly-P2 Re700-1000W-757-XAS-LUM	HID 2000W	1000	140000	140	5700	25° x 108°	19.9
720001010200	LED Flood Oly-P2 Re700-1000W-757-XN-LUM	HID 2000W	1000	160000	160	5700	30°	19.9
720001013800	LED Flood Oly-P2 Re700-1200W-730-N-LUM	HID 2000W	1200	180000	150	3000	45°	19.9
720001013100	LED Flood Oly-P2 Re700-1200W-730-W-LUM	HID 2000W	1200	180000	150	3000	60°	19.9
720001012300	LED Flood Oly-P2 Re700-1200W-730-XAS-LUM	HID 2000W	1200	156000	130	3000	25° x 108°	19.9
720001011500	LED Flood Oly-P2 Re700-1200W-730-XN-LUM	HID 2000W	1200	180000	150	3000	30°	19.9
720001009500	LED Flood Oly-P2 Re700-1200W-740-N-LUM	HID 2000W	1200	192000	160	4000	45°	19.9
720001011200	LED Flood Oly-P2 Re700-1200W-740-W-LUM	HID 2000W	1200	192000	160	4000	60°	19.9
720001009200	LED Flood Oly-P2 Re700-1200W-740-XAS-LUM	HID 2000W	1200	168000	140	4000	25° x 108°	19.9
720001014500	LED Flood Oly-P2 Re700-1200W-740-XN-LUM	HID 2000W	1200	192000	160	4000	30°	19.9
720001013400	LED Flood Oly-P2 Re700-1200W-757-N-LUM	HID 2000W	1200	192000	160	5700	45°	19.9
720001012600	LED Flood Oly-P2 Re700-1200W-757-W-LUM	HID 2000W	1200	192000	160	5700	60°	19.9
720001009100	LED Flood Oly-P2 Re700-1200W-757-XAS-LUM	HID 2000W	1200	168000	140	5700	25° x 108°	19.9
720001012900	LED Flood Oly-P2 Re700-1200W-757-XN-LUM	HID 2000W	1200	192000	160	5700	30°	19.9
Driver possibilities								
720001010000	Flood Oly-P2 Driver-600W-DA/10V/DMX		600					5.52
720001009300	Flood Oly-P2 Driver-600W-DA/10V/DMX-XAS		600					5.52
720001011700	Flood Oly-P2 Driver-800W-DA/10V/DMX		800					5.52
720001014200	Flood Oly-P2 Driver-800W-DA/10V/DMX-XAS		800					5.52
720001009400	Flood Oly-P2 Driver-1000W-DA/10V/DMX		1000					5.8
720001010800	Flood Oly-P2 Driver-1000W-DA/10V/DMX-XAS		1000					5.8
720001011100	Flood Oly-P2 Driver-1200W-DA/10V/DMX		1200					5.8
720001013600	Flood Oly-P2 Driver-1200W-DA/10V/DMX-XAS		1200					5.8

SMART

INDOOR

OUTDOOR

LAMPS & TOOLS

TECHNICAL DATA

GLOSSARY

Accessories



FloodOly-P Mounting-Kit-Out-Pole (709098001600) suitable for light pole diameter 280-310mm. 600/800W luminaires require two visor accessories, 1000W/1200W luminaires require three visor accessories.

Technical Specifications	
On-/Off-cycles	100,000
Colour consistency (SDCM)	6
Dimmability	DALI2 (1-10V/DMX on request)
Finishing	Matte Black
Colour rendering index (CRI)	> 70
Ingress Protection (IP)	IP66
Impact strength (IK)	IK08
Protection class	I
Risk group (EN 62471)	RG1
With control gear	No
Glow wire test	850°C
Driver failure rate (at 5,000 hrs)	< 0.003%
Power factor	> 0.95
Surge protection (kV)	20kV

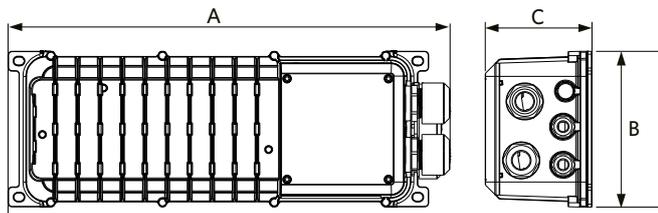
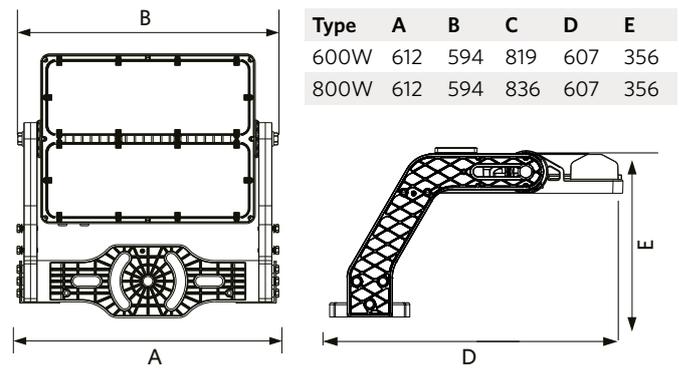
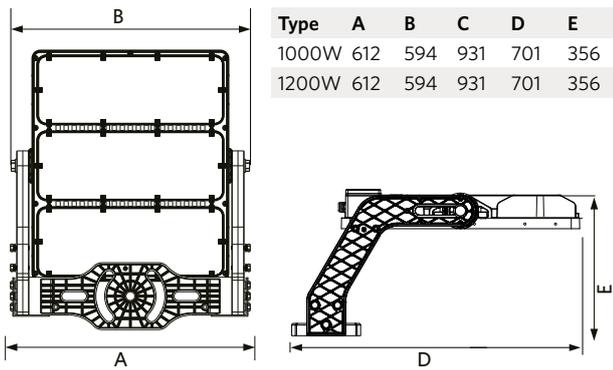
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	200 - 528 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Aluminium
Optical material	Polycarbonate
Cover material	Polycarbonate
Coastal proof	Yes

Ambient Conditions	
Operating temperature	-30 - 45°C
Application temperature	25°C
Storage environment	-30 - 50°C



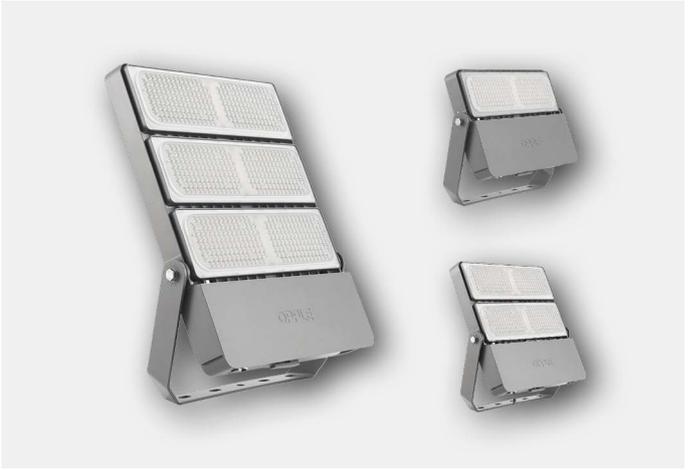
Dimensional Drawing (mm)



Type	A	B	C
Driver	443	157	102

Product Highlights





Floodlight Modulo Performer G2

- Powerful professional floodlight family from 70 to 380W
- DALI2 versions available (200W+), 3000K versions available
- Precise optical design for area, object and facade lighting
- Super slim aluminium body with integrated heatsink
- High Efficacy of 140 lm/W
- Easy accessible driver compartment
- Wide (W), Asymmetric (AS) and Narrow (N) beam angles available
- Available in wide range from 9,800 up to 53,200 lumen
- IP66 and suitable for use on coastal applications
- Equipped with breather to prevent condensation



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Net Weight (kg/pc)
On-Off								
720001006300	LED Flood Mo-P2 Re340-70W-830-AS	HID 150W	70	9100	130	3000	40° x 100°	4.4
720001004100	LED Flood Mo-P2 Re340-70W-840-AS	HID 150W	70	9800	140	4000	40° x 100°	4.4
720001006600	LED Flood Mo-P2 Re340-70W-840-N	HID 150W	70	9800	140	4000	45°	4.4
720001006000	LED Flood Mo-P2 Re340-70W-840-W	HID 150W	70	9800	140	4000	80°	4.4
720001006700	LED Flood Mo-P2 Re340-100W-830-AS	HID 250W	100	13000	130	3000	40° x 100°	4.4
720001003300	LED Flood Mo-P2 Re340-100W-840-AS	HID 250W	100	14000	140	4000	40° x 100°	4.4
720001008000	LED Flood Mo-P2 Re340-100W-840-N	HID 250W	100	14000	140	4000	45°	4.4
720001007000	LED Flood Mo-P2 Re340-100W-840-W	HID 250W	100	14000	140	4000	80°	4.4
720001003500	LED Flood Mo-P2 Re450-150W-830-AS	HID 400W	150	19500	130	3000	40° x 100°	5.7
720001006500	LED Flood Mo-P2 Re450-150W-840-AS	HID 400W	150	21000	140	4000	40° x 100°	5.7
720001004000	LED Flood Mo-P2 Re450-150W-840-N	HID 400W	150	21000	140	4000	45°	5.7
720001003400	LED Flood Mo-P2 Re450-150W-840-W	HID 400W	150	21000	140	4000	80°	5.7
720001004400	LED Flood Mo-P2 Re450-200W-830-DALI-AS	HID 400W	200	26000	130	3000	40° x 100°	5.7
720001006400	LED Flood Mo-P2 Re450-200W-830-DALI-N	HID 400W	200	26000	130	3000	45°	5.7
720001008200	LED Flood Mo-P2 Re450-200W-840-DALI-AS	HID 400W	200	28000	140	4000	40° x 100°	5.7
720001005400	LED Flood Mo-P2 Re450-200W-840-DALI-N	HID 400W	200	28000	140	4000	45°	5.7
720001007700	LED Flood Mo-P2 Re450-200W-840-DALI-W	HID 400W	200	28000	140	4000	80°	5.7
720001002600	LED Flood Mo-P2 Re450-200W-857-DALI-AS	HID 400W	200	28000	140	5700	40° x 100°	5.7
720001003000	LED Flood Mo-P2 Re450-200W-857-DALI-N	HID 400W	200	28000	140	5700	45°	5.7
720001005900	LED Flood Mo-P2 Re450-200W-857-DALI-W	HID 400W	200	28000	140	5700	80°	5.7
720001006800	LED Flood Mo-P2 Re570-250W-830-DALI-AS	HID 2x250W	250	32500	130	3000	40° x 100°	7.67
720001006900	LED Flood Mo-P2 Re570-250W-830-DALI-N	HID 2x250W	250	32500	130	3000	45°	7.67
720001004200	LED Flood Mo-P2 Re570-250W-840-DALI-AS	HID 2x250W	250	35000	140	4000	40° x 100°	7.67
720001004800	LED Flood Mo-P2 Re570-250W-840-DALI-N	HID 2x250W	250	35000	140	4000	45°	7.67

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Net Weight (kg/pc)
720001002700	LED Flood Mo-P2 Re570-250W-857-DALI-AS	HID 2x250W	250	35000	140	5700	40° x 100°	7.67
720001007900	LED Flood Mo-P2 Re570-250W-857-DALI-N	HID 2x250W	250	35000	140	5700	45°	7.67
720001004900	LED Flood Mo-P2 Re570-300W-830-DALI-AS	HID 2x400W	300	39000	130	3000	40° x 100°	7.67
720001007400	LED Flood Mo-P2 Re570-300W-830-DALI-N	HID 2x400W	300	39000	130	3000	45°	7.67
720001004700	LED Flood Mo-P2 Re570-300W-840-DALI-AS	HID 2x400W	300	42000	140	4000	40° x 100°	7.67
720001007100	LED Flood Mo-P2 Re570-300W-840-DALI-N	HID 2x400W	300	42000	140	4000	45°	7.67
720001003800	LED Flood Mo-P2 Re570-300W-857-DALI-AS	HID 2x400W	300	42000	140	5700	40° x 100°	7.67
720001003200	LED Flood Mo-P2 Re570-300W-857-DALI-N	HID 2x400W	300	42000	140	5700	45°	7.67
720001002200	LED Flood Mo-P2 Re570-380W-830-DALI-AS	HID 500W	380	49400	130	3000	40° x 100°	7.67
720001003700	LED Flood Mo-P2 Re570-380W-830-DALI-N	HID 500W	380	49400	130	3000	45°	7.67
720001004300	LED Flood Mo-P2 Re570-380W-840-DALI-AS	HID 500W	380	53200	140	4000	40° x 100°	7.67
720001003900	LED Flood Mo-P2 Re570-380W-840-DALI-N	HID 500W	380	53200	140	4000	45°	7.67
720001005600	LED Flood Mo-P2 Re570-380W-857-DALI-AS	HID 500W	380	53200	140	5700	40° x 100°	7.67
720001007500	LED Flood Mo-P2 Re570-380W-857-DALI-N	HID 500W	380	53200	140	5700	45°	7.67

Accessories



543098022000
LED Fixture-IP68-Connector-Kit-5



543098021900
LED Fixture-IP68-Connector-Kit-3

705000141900
LED Street-SE-Extension-Cable-6m

Technical Specifications

Lifetime (L70)	100,000 h
Lifetime (L80)	70,000 h
Lifetime (L90)	50,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	On-Off / DALI2
Finishing	Grey RAL 870-3
Colour rendering index (CRI)	> 80
Ingress Protection (IP)	IP66
Impact strength (IK)	IK08
Protection class	I
Risk group (EN 62471)	RG1
With control gear	Yes
Glow wire test	850°C
Driver failure rate (at 5,000 hrs)	< 0.003%
Power factor	> 0.95
Surge protection (kV)	6kV

Electrical Supply

Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications
230V Cable length	1 m

Mechanical Properties

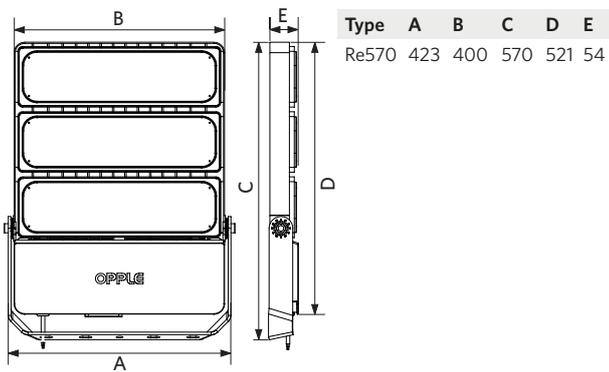
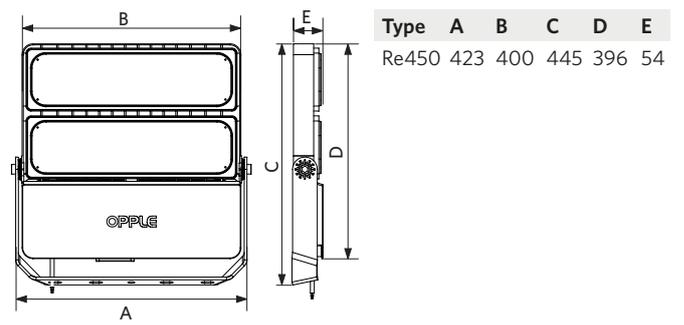
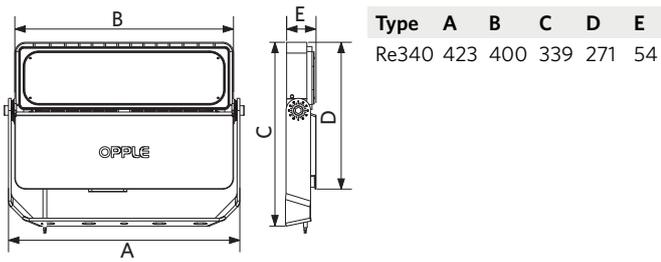
Housing material	Aluminium
Optical material	Polycarbonate
Cover material	Polycarbonate
Coastal proof	Yes

Ambient Conditions

Operating temperature	-40 - 50°C
Application temperature	25°C
Storage environment	-40 - 60°C



Dimensional Drawing (mm)



Product Highlights







Floodlight Performer

- Precise optical design for area-, object- and façade lighting
- Super slim aluminium body with integrated heatsink and clipless cover
- Very high Efficacy of up to 145 lm/W
- Improved 100,000 hour (L70) lifetime
- Wide (W), Asymmetric (AS) and Narrow (N) beam angles available
- Robust design with high protection against water and dust
- Equipped with a valve to regulate pressure differences
- Available in 32,000 lumen High Power version



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	CRI	Surge protection (kV)	Net Weight (kg/pc)
On-Off										
140062030	LED Flood-P Re440-90W-4000-W-BL	HID 250W	90	12600	140	4000	100°	> 80	4.0	6.41
140062031	LED Flood-P Re440-90W-4000-AS-BL	HID 250W	90	12600	140	4000	55° x 115°	> 80	4.0	6.41
140062032	LED Flood-P Re440-125W-4000-W-BL	HID 400W	125	17500	140	4000	100°	> 80	4.0	6.41
140062033	LED Flood-P Re440-125W-4000-AS-BL	HID 400W	125	17500	140	4000	55° x 115°	> 80	4.0	6.41
140062034	LED Flood-P Re440-160W-4000-W-BL	HID 400W	160	22400	140	4000	100°	> 80	4.0	6.41
140062035	LED Flood-P Re440-160W-4000-AS-BL	HID 400W	160	22400	140	4000	55° x 115°	> 80	4.0	6.41
543017026200	LED Flood-P Re440-220W-4000-AS-BL	HID 500W	220	32000	145	4000	55° x 115°	> 70	10.0	6.41
543017026400	LED Flood-P Re440-220W-5700-AS-BL	HID 500W	220	32000	145	5700	55° x 115°	> 70	10.0	6.41

Accessories



543098021900
LED Fixture-IP68-Connector-Kit-3



705000141900
LED Street-SE-Extension-Cable-6m

Technical Specifications	
Lifetime (L70)	100,000 h
Lifetime (L80)	70,000 h
Lifetime (L90)	50,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4.0
Dimmability	On-Off
Finishing	Matte Black
Ingress Protection (IP)	IP66
Impact strength (IK)	IK08
Protection class	I
Risk group (EN 62471)	RG1
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 0.5%
Power factor	> 0.9

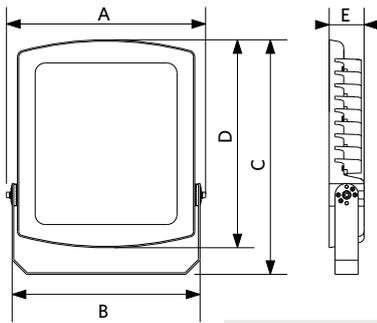
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications
230V Cable length	1 m

Mechanical Properties	
Housing material	Aluminium
Optical material	Polycarbonate
Cover material	Tempered glass

Ambient Conditions	
Operating temperature	-25 - 50°C
Application temperature	25°C
Storage environment	-30 - 60°C



Dimensional Drawing (mm)



Type	A	B	C	D	E
Re440	371	350	440	390	65



Floodlight EcoMax G3

- Complete floodlight family from 10 to 200W
- Compact floodlight with high Efficacy up to 150 lm/W
- Integrated Motion Detection (MD) version available in 10/20W
- Available in white (WH) and black (BL) in 10/20W versions
- Available in 3000K and 4000K
- Equipped with breather to prevent condensation
- Available with AS (55°x110°) and N (60°) beam angle for high power versions



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Net Weight (kg/pc)
On-Off								
709000071900	LED Flood-E3 Re100-10W-830-WH	Halogen 50W	10	1100	110	3000	100°	0.4
709000072100	LED Flood-E3 Re100-10W-840-WH	Halogen 50W	10	1200	120	4000	100°	0.4
709000072000	LED Flood-E3 Re115-20W-830-WH	Halogen 100W	20	2200	110	3000	100°	0.5
709000072200	LED Flood-E3 Re115-20W-840-WH	Halogen 100W	20	2400	120	4000	100°	0.5
709000071500	LED Flood-E3 Re100-10W-830-BL	Halogen 50W	10	1100	110	3000	100°	0.4
709000071700	LED Flood-E3 Re100-10W-840-BL	Halogen 50W	10	1200	120	4000	100°	0.4
709000071600	LED Flood-E3 Re115-20W-830-BL	Halogen 100W	20	2200	110	3000	100°	0.5
709000071800	LED Flood-E3 Re115-20W-840-BL	Halogen 100W	20	2400	120	4000	100°	0.5
709000072700	LED Flood-E3 Re144-30W-830-BL	HID 50W	30	3600	120	3000	100°	0.73
709000072800	LED Flood-E3 Re144-30W-840-BL	HID 50W	30	3900	130	4000	100°	0.73
709000072900	LED Flood-E3 Re170-50W-830-BL	HID 70W	50	6000	120	3000	100°	0.96
709000073000	LED Flood-E3 Re170-50W-840-BL	HID 70W	50	6500	130	4000	100°	0.96
709000073100	LED Flood-E3 Re246-70W-830-BL	HID 150W	70	8400	120	3000	100°	2.04
709000117400	LED Flood-E3 Re246-70W-830-BL-AS	HID 150W	70	9800	140	3000	75° x 100°	2.04
709000073200	LED Flood-E3 Re246-70W-840-BL	HID 150W	70	9100	130	4000	100°	2.04
709000117500	LED Flood-E3 Re246-70W-840-BL-AS	HID 150W	70	10500	150	4000	75° x 100°	2.04
709000073300	LED Flood-E3 Re246-100W-830-BL	HID 250W	100	12000	120	3000	100°	2.2
709000116800	LED Flood-E3 Re246-100W-830-BL-N	HID 250W	100	14000	140	3000	60°	2.04
709000116200	LED Flood-E3 Re246-100W-830-BL-AS	HID 250W	100	14000	140	3000	75° x 100°	2.2
709000073400	LED Flood-E3 Re246-100W-840-BL	HID 250W	100	13000	130	4000	100°	2.2
709000116900	LED Flood-E3 Re246-100W-840-BL-N	HID 250W	100	15000	150	4000	60°	2.04
709000116300	LED Flood-E3 Re246-100W-840-BL-AS	HID 250W	100	15000	150	4000	75° x 100°	2.2
709000073500	LED Flood-E3 Re300-150W-830-BL	HID 400W	150	18000	120	3000	100°	3.31
709000117000	LED Flood-E3 Re300-150W-830-BL-N	HID 400W	150	21000	140	3000	60°	3.31
709000116400	LED Flood-E3 Re300-150W-830-BL-AS	HID 400W	150	21000	140	3000	75° x 100°	3.31

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Net Weight (kg/pc)
709000073600	LEDflood-E3 Re300-150W-840-BL	HID 400W	150	19500	130	4000	100°	3.31
709000117100	LEDflood-E3 Re300-150W-840-BL-N	HID 400W	150	22500	150	4000	60°	3.31
709000116500	LEDflood-E3 Re300-150W-840-BL-AS	HID 400W	150	22500	150	4000	75° x 100°	3.31
709000073700	LEDflood-E3 Re345-200W-830-BL	HID 400W	200	24000	120	3000	100°	4.4
709000117200	LEDflood-E3 Re345-200W-830-BL-N	HID 400W	200	28000	140	3000	60°	4.4
709000116600	LEDflood-E3 Re345-200W-830-BL-AS	HID 400W	200	28000	140	3000	75° x 100°	4.4
709000073800	LEDflood-E3 Re345-200W-840-BL	HID 400W	200	26000	130	4000	100°	4.4
709000117300	LEDflood-E3 Re345-200W-840-BL-N	HID 400W	200	30000	150	4000	60°	4.4
709000116700	LEDflood-E3 Re345-200W-840-BL-AS	HID 400W	200	30000	150	4000	75° x 100°	4.4
Motion Detection/Daylight Detection								
709000072300	LEDflood-E3 Re144-10W-830-BL-MD	Halogen 50W	10	1100	110	3000	100°	0.78
709000072500	LEDflood-E3 Re144-10W-840-BL-MD	Halogen 50W	10	1200	120	4000	100°	0.78
709000072400	LEDflood-E3 Re144-20W-830-BL-MD	Halogen 100W	20	2200	110	3000	100°	0.78
709000072600	LEDflood-E3 Re144-20W-840-BL-MD	Halogen 100W	20	2400	120	4000	100°	0.78

Accessories



543098021900
LED Fixture-IP68-Connector-Kit-3



705000141900
LED Street-SE-Extension-Cable-6m

Technical Specifications

Lifetime (L70)	50,000 h
Lifetime (L80)	30,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4.0 / 4
Dimmability	On-Off / Sensor controlled (MD)
Sensor type	No sensor / Motion + Daylight detection (MD)
Sensor technology	No sensor / Microwave (MW)
Colour rendering index (CRI)	> 80
Ingress Protection (IP)	IP66
Impact strength (IK)	IK07
Protection class	I
Risk group (EN 62471)	RG1
With control gear	Yes
Glow wire test	850°C
Driver failure rate (at 5,000 hrs)	< 0.5%
Power factor	> 0.9
Surge protection (kV)	2.0 / 4.0 / 4kV

Electrical Supply

Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	No
230V Cable length	1 m

Mechanical Properties

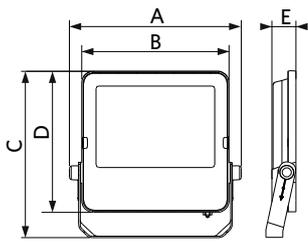
Housing material	Aluminium
Optical material	Polycarbonate
Cover material	Tempered glass
Coastal proof	Yes

Ambient Conditions

Operating temperature	-30 - 50°C
Operating temperature (MD)	-20 - 40°C
Application temperature	25°C
Storage environment	-40 - 60°C

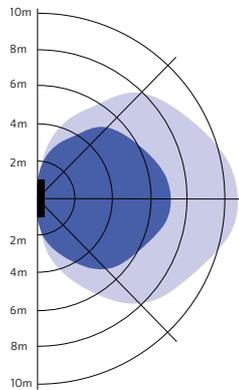


Dimensional Drawing (mm)

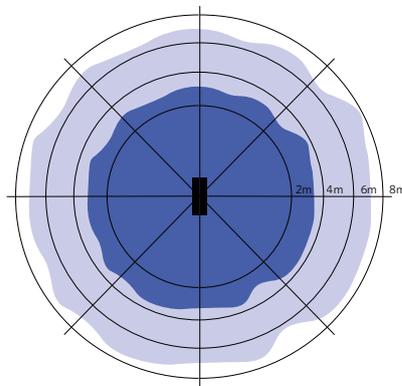


Type	A	B	C	D	E
Re100	122	102	122	95	26
Re115	138	115	137	108	28
Re144 MD	172	142	218	133	34
Re144	172	142	170	133	34
Re170	200	172	207	165	32
Re246	286	245	280	236	40
Re300	350	298	335	288	45
Re345	400	345	380	333	50

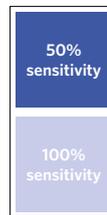
Motion Sensors



Installation - Wall mounted
Suggested installation height 1.5-3m



Installation - Ceiling mounted
Suggested installation height 1.5-3m









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Reflector GU10 EcoMax G2

- Full retrofit of existing halogen GU10 lamps
- Dimmable versions available up to 604lm
- Versions with Warm Dim (1800K - 3000K) available - the color temperature automatically gets warmer when dimmed
- Available in 3000K and 4000K
- With light silver outer finish
- No UV/IR radiation
- Significantly lower heat output than halogen, avoiding discolouration and risk of damaging goods



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
Dimmable (Triac)							
800021001900	LEDGU10-E2 2.5W-DIM-830-36D	Halogen 25W	2.5	250	100	3000	0.033
800021002200	LEDGU10-E2 3.5W-DIM-830-36D	Halogen 35W	3.5	350	100	3000	0.033
800021002300	LEDGU10-E2 3.5W-DIM-840-36D	Halogen 35W	3.5	368	105	4000	0.033
800021002500	LEDGU10-E2 5.75W-DIM-830-36D	Halogen 60W	5.75	575	100	3000	0.033
800021002600	LEDGU10-E2 5.75W-DIM-840-36D	Halogen 60W	5.75	604	105	4000	0.035
Dimmable (Triac)/Warm Dim							
800021002800	LEDGU10-E2 3.5W-DIM-WarmDim-36D	Halogen 35W	3.5	350	100	1.8K-3K	0.035
800021002900	LEDGU10-E2 5.75W-DIM-WarmDim-36D	Halogen 60W	5.75	575	100	1.8K-3K	0.035

Technical Specifications

Lifetime (L70)	25,000 h
On-/Off-cycles	50,000
Dimmability	Triac
Beam angle	36°
Finishing	Silver
Colour rendering index (CRI)	> 80

Electrical Supply

Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	No

Mechanical Properties

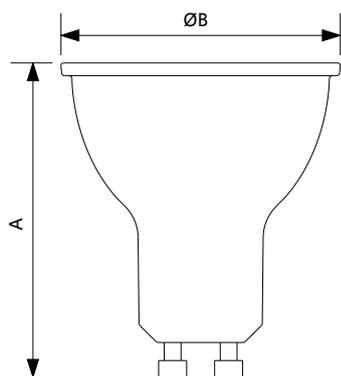
Housing material	Polybutylene terephthalate (PBT)
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Ambient Conditions

Operating temperature	-20 - 40°C
Application temperature	25°C
Storage environment	-25 - 50°C



Dimensional Drawing (mm)



Type	A	B
E2	50	54



T8 Tube Performer G2

- NEW: High Output versions available
- Single-ended full IEC compliant LED Tube with patented driver
- Improved Efficacy of 170 lm/W
- Retrofit existing T8 lamps with EM ballast installations ONLY!
- No warm-up time, 100% light instantly when switched on
- Full glass body



SAFE AND EASY INSTALLATION: ONLY USE WITH LED DUMMY STARTER.
Tubes are NOT suitable for serial installation.

Specifications

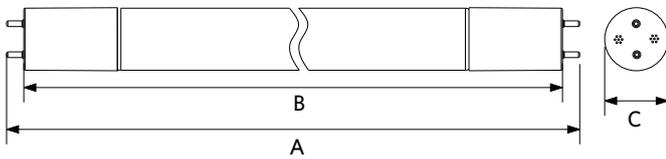
Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen (lm)	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
On-Off							
802003020300	LEDTubeT8-EMB-P2 L600-6W-830	TL 1x18W	6	1050	170	3000	0.123
802003020400	LEDTubeT8-EMB-P2 L600-6W-840	TL 1x18W	6	1050	170	4000	0.123
802003020500	LEDTubeT8-EMB-P2 L600-6W-865	TL 1x18W	6	1050	170	6500	0.123
802003020600	LEDTubeT8-EMB-P2 L1200-12W-830	TL 1x36W	12	2100	170	3000	0.21
802003020700	LEDTubeT8-EMB-P2 L1200-12W-840	TL 1x36W	12	2100	170	4000	0.21
802003020800	LEDTubeT8-EMB-P2 L1200-12W-865	TL 1x36W	12	2100	170	6500	0.21
802003034700	LEDTubeT8-EMB-P2 L1200 16W-830	TL 1x58W	16	2560	160	3000	0.21
802003034300	LEDTubeT8-EMB-P2 L1200 16W-840	TL 1x58W	16	2720	170	4000	0.21
802003034600	LEDTubeT8-EMB-P2 L1200 16W-865	TL 1x58W	16	2720	170	6500	0.21
802003020900	LEDTubeT8-EMB-P2 L1500-18W-830	TL 1x58W	18	3100	170	3000	0.26
802003021000	LEDTubeT8-EMB-P2 L1500-18W-840	TL 1x58W	18	3100	170	4000	0.26
802003021100	LEDTubeT8-EMB-P2 L1500-18W-865	TL 1x58W	18	3100	170	6500	0.26
802003034200	LEDTubeT8-EMB-P2 L1500 22W-830	TL 1x80W	22	3520	160	3000	0.26
802003034500	LEDTubeT8-EMB-P2 L1500 22W-840	TL 1x80W	22	3740	170	4000	0.26
802003034400	LEDTubeT8-EMB-P2 L1500 22W-865	TL 1x80W	22	3740	170	6500	0.26

Technical Specifications	
Lifetime (L70)	50,000 h
On-/Off-cycles	100,000
Dimmability	On-Off
Beam angle	220°
Colour rendering index (CRI)	> 80
Fitting	G13

Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	No

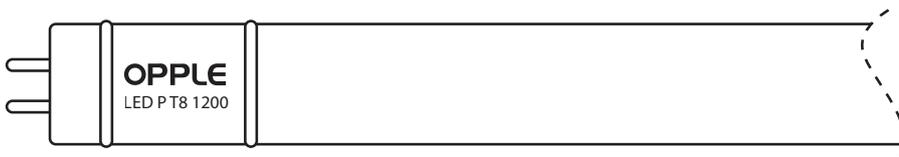
Ambient Conditions	
Operating temperature	-20 - 45°C
Application temperature	25°C
Storage environment	-25 - 50°C

Dimensional Drawing (mm)



Type	A	B	C
L600	603	589	26
L1200	1213	1199	26
L1500	1514	1500	26

Installation Possibilities



Single-ended connection



LED Strip - IP20

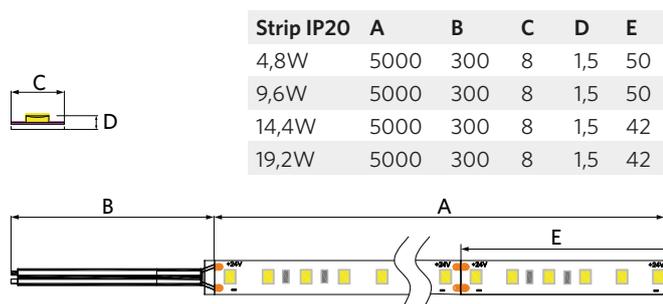
- Complete LED Strip portfolio
- LED Strip power range from 4.8 W/m to 19.2 W/m, with minimum 120 Leds per meter
- Multiple driver options available including on/off, DALI, 1-10V, PWM
- Wide profile portfolio with different color options
- Complete set of strip connectors for IP20 strip



Specifications

Item Code	Item Description	Lumen (lm/m)	LEDs per meter	Power (W/m)	Minimum cutting length	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
IP20								
806001007000	LEDStrip-E 4.8W-927-600-IP20	600	120	4.8	50	110	2700	0.1
806001007100	LEDStrip-E 4.8W-930-600-IP20	600	120	4.8	50	110	3000	0.1
806001007200	LEDStrip-E 4.8W-940-600-IP20	600	120	4.8	50	120	4000	0.1
806001007600	LEDStrip-E 9.6W-927-1200-IP20	1200	140	9.6	50	115	2700	0.1
806001007700	LEDStrip-E 9.6W-930-1200-IP20	1200	140	9.6	50	115	3000	0.1
806001007800	LEDStrip-E 9.6W-940-1200-IP20	1200	140	9.6	50	125	4000	0.1
806001008200	LEDStrip-E 14.4W-927-1800-IP20	1730	168	14.4	42	110	2700	0.1
806001008300	LEDStrip-E 14.4W-930-1800-IP20	1730	168	14.4	42	110	3000	0.1
806001008400	LEDStrip-E 14.4W-940-1800-IP20	1730	168	14.4	42	120	4000	0.1
806001009000	LEDStrip-E 19.2W-927-2300-IP20	2300	168	19.2	42	110	2700	0.1
806001009100	LEDStrip-E 19.2W-930-2300-IP20	2300	168	19.2	42	110	3000	0.1
806001009200	LEDStrip-E 19.2W-940-2300-IP20	2300	168	19.2	42	120	4000	0.1

Dimensional Drawing (mm)



Accessories

					
806098001800 LEDStrip Profile-SF-10x10-AL	806098002000 LEDStrip Profile-SF-15x15-AL	806098002200 LEDStrip Profile-SF-17x7-AL	806098002400 LEDStrip Profile-RC-10x10-AL	806098002500 LEDStrip Profile-RC-15x15-AL	806098002600 LEDStrip Profile-Corner-18x18-AL
806098001900 LEDStrip Profile-SF-10x10-BL	806098002100 LEDStrip Profile-SF-15x15-BL	806098002300 LEDStrip Profile-SF-17x7-BL			
					
806098003000 LEDStrip Connector-SS-IP20	806098003400 LEDStrip Wire-Connector-SW-IP20	806098003800 LEDStrip Wire-Connector-SS-IP20	806098004200 LEDStrip L-Connector-SS-IP20	820002006100 LEDDriver 24V-40W-DALI/10V/PWM	820002006200 LEDDriver 24V-75W-DALI/10V/PWM
					
820002006300 LEDDriver 24V-150W-DALI/10V/PWM	820002006400 LEDDriver 24V-240W-DALI/10V/PWM	820009007900 LEDDriver 24V-36W	820009008000 LEDDriver 24V-60W	820009008100 LEDDriver 24V-120W	820009008200 LEDDriver 24V-160W
					
820009008300 LEDDriver 24V-240W					

It is recommended to use a power supply between 120% and 150% of the total power needed for the LED Strip
 All profiles have a length of 2m and come with a polycarbonate cover as well as 4 end caps - 2 end caps suitable for wirethrough, and 2 standard end caps
 The 10mm x 10mm profiles can only be used for the 4.8W and 9.6W LED Strips

Technical Specifications	
Lifetime (L70)	50,000 h
Dimmability	DALI2 / 1-10V / PWM
Colour rendering index (CRI)	> 90
Ingress Protection (IP)	IP20
Risk group (EN 62471)	RG0
With control gear	No

Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V

Mechanical Properties	
Length (mm)	5000

Ambient Conditions	
Operating temperature	-10 - 45°C
Application temperature	25°C
Storage environment	-25 - 50°C



SMART

INDOOR

OUTDOOR

LAMPS & TOOLS

TECHNICAL DATA

GLOSSARY



LED Strip - IP20 - Tunable White

- Complete LED Strip portfolio
- Multiple driver options available
- Wide profile portfolio with different color options
- Complete set of strip connectors for IP20 strip



Specifications

Item Code	Item Description	Lumen (lm/m)	LEDs per meter	Power (W/m)	Minimum cutting length	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
Smart/IP20								
806001008500	LEDStrip-P 12W-1000-TW-IP20	1440	140	12	100	120	2700 - 6500	0.1

Accessories

					
806001023300 LEDStrip RGBW/ TW-RF-Controller	806001023500 LEDStrip TW-RF-Remo- te-Controller	806098002000 LEDStrip Profile-SF-15x15- AL	806098002200 LEDStrip Profile-SF-17x7- AL	806098002500 LEDStrip Profile-RC-15x15- AL	806098002600 LEDStrip Profile-Cor- ner-18x18-AL
					
806098003100 LEDStrip Connector-SS- TW-IP20	806098003500 LEDStrip Wire-Connector- SW-TW-IP20	806098003900 LEDStrip Wire-Connector- SS-TW-IP20	806098004300 LEDStrip L-Connector-SS- TW-IP20	820004013700 LEDDriver 24V-200W- BLE2-TW	826001000300 LEDDriver 24V-80W- BLE2-TW

It is recommended to use a power supply between 120% and 150% of the total power needed for the LED Strip. All profiles have a length of 2m and come with a polycarbonate cover as well as 4 end caps - 2 end caps suitable for wirethrough, and 2 standard end caps.

Technical Specifications	
Lifetime (L70)	50,000 h
Dimmability	BLE2
Colour rendering index (CRI)	> 90
Ingress Protection (IP)	IP20
Risk group (EN 62471)	RG0
With control gear	No

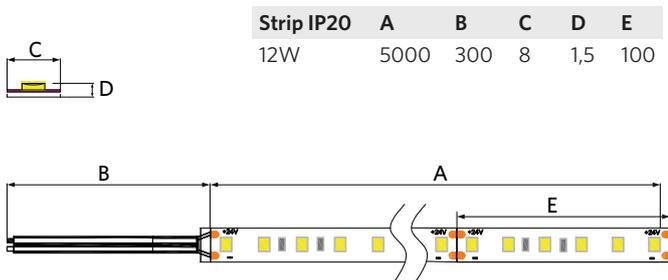
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V

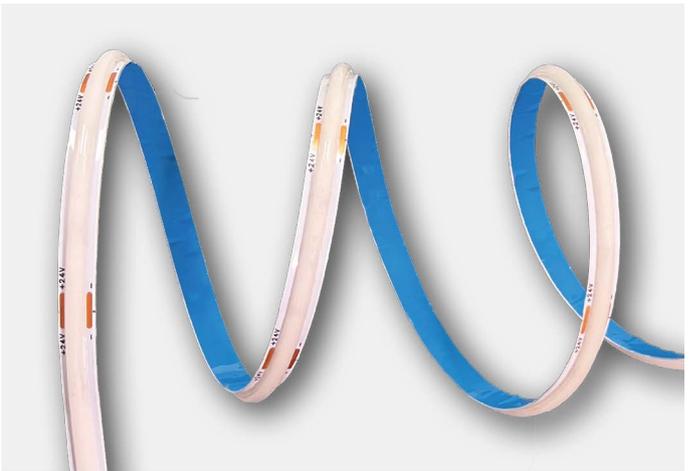
Mechanical Properties	
Length (mm)	5000

Ambient Conditions	
Operating temperature	-10 - 45°C
Application temperature	25°C
Storage environment	-25 - 50°C



Dimensional Drawing (mm)





LED Strip - IP20 - Chip On Board (COB)

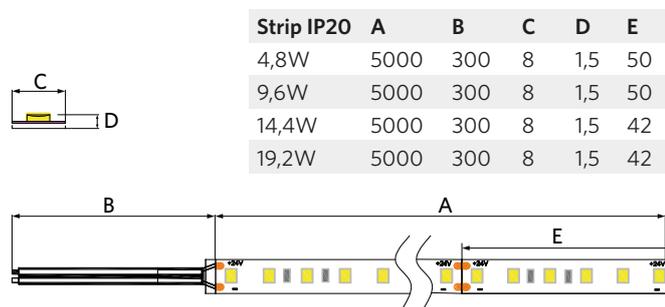
- Complete LED Strip portfolio
- Multiple driver options available including on/off, DALI, 1-10V, PWM
- Wide profile portfolio with different color options
- Complete set of strip connectors for IP20 strip



Specifications

Item Code	Item Description	Lumen (lm/m)	LEDs per meter	Power (W/m)	Minimum cutting length	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
Chip On Board (COB)/IP20								
806002000100	LEDStrip-P 12W-927-1000-COB-IP20	1320	280	12	42	110	2700	0.1
806002000200	LEDStrip-P 12W-930-1000-COB-IP20	1320	280	12	42	110	3000	0.1
806002000300	LEDStrip-P 12W-940-1000-COB-IP20	1320	280	12	42	110	4000	0.1

Dimensional Drawing (mm)



Accessories



806001009300
LEDStrip Wire-Connector-
SW-COB-IP20



806001009400
LEDStrip Wire-Connector-
SS-COB-IP20



806001009500
LEDStrip Connector-SS-
COB-IP20



806098002000
LEDStrip Profile-SF-15x15-
AL



806098002200
LEDStrip Profile-SF-17x7-
AL



806098002500
LEDStrip Profile-RC-15x15-
AL



806098002600
LEDStrip Profile-Cor-
ner-18x18-AL



806098004400
LEDStrip L-Connector-SS-
COB-IP20



820002006200
LEDDriver 24V-75W-DA-
LI/10V/PWM



820002006300
LEDDriver 24V-150W-DA-
LI/10V/PWM



820002006400
LEDDriver 24V-240W-DA-
LI/10V/PWM



820009008100
LEDDriver 24V-120W



820009008200
LEDDriver 24V-160W



820009008300
LEDDriver 24V-240W

It is recommended to use a power supply between 120% and 150% of the total power needed for the LED Strip. All profiles have a length of 2m and come with a polycarbonate cover as well as 4 end caps - 2 end caps suitable for wirethrough, and 2 standard end caps.

Technical Specifications	
Lifetime (L70)	50,000 h
Dimmability	DALI2 / 1-10V / PWM
Colour rendering index (CRI)	> 90
Ingress Protection (IP)	IP20
Risk group (EN 62471)	RG0
With control gear	No

Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V

Mechanical Properties	
Length (mm)	5000

Ambient Conditions	
Operating temperature	-10 ~ 45°C
Application temperature	25°C
Storage environment	-25 ~ 50°C





LED Strip - IP20 - RGBW

- Vibrant and high-quality lighting with IP20 RGBW LED strip (CRI > 90)
- Choose between two cozy and functional white tones: warm 2700K or neutral 4000K
- Easy to use with standard 24VDC power and available in convenient 5-meter reels
- Flexible installation due to a select range of strip connectors
- RF controller supports both RGBW and Tunable White dimming

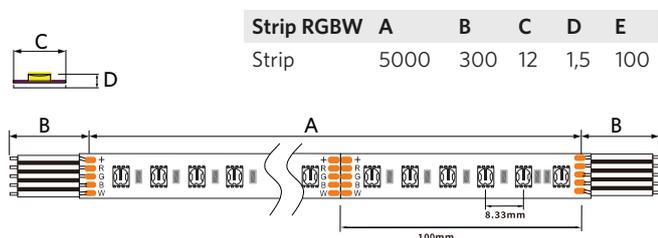


RGBW RF-controller and RGBW remote control are necessary accessories for RGBW Strip

Specifications

Item Code	Item Description	Lumen (lm/m)	LEDs per meter	Power (W/m)	Minimum cutting length	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
RGB+W/IP20								
806001022800	LEDStrip-P 19.2W-927-1000-RGBW-IP20	1000	60	19.2	100	50	2700	0.2
806001022900	LEDStrip-P 19.2W-940-1200-RGBW-IP20	1200	60	19.2	100	60	4000	0.2

Dimensional Drawing (mm)



Accessories



806001023000
LEDStrip Connector-SS-
RGBW-IP20



806001023100
LEDStrip Wire-Connector-
SW-RGBW-IP20



806001023200
LEDStrip Wire-Connector-
SS-RGBW-IP20



806001023300
LEDStrip RGBW/
TW-RF-Controller



806001023400
LEDStrip RGBW-RF-Remo-
te-Controller



806098002000
LEDStrip Profile-SF-15x15-
AL

806098002100
LEDStrip Profile-SF-15x15-
BL



806098002200
LEDStrip Profile-SF-17x7-
AL



806098002300
LEDStrip Profile-SF-17x7-BL



806098002500
LEDStrip Profile-RC-15x15-
AL



806098002600
LEDStrip Profile-Cor-
ner-18x18-AL



820009007900
LEDDriver 24V-36W



820009008000
LEDDriver 24V-60W



820009008100
LEDDriver 24V-120W



820009008200
LEDDriver 24V-160W



820009008300
LEDDriver 24V-240W

It is recommended to use a power supply between 120% and 150% of the total power needed for the LED Strip
All profiles have a length of 2m and come with a polycarbonate cover as well as 4 end caps - 2 end caps suitable for wirethrough, and 2 standard end caps

Technical Specifications

Lifetime (L70)	70,000 h
On-/Off-cycles	2
Dimmability	On-Off
Colour rendering index (CRI)	> 90
Ingress Protection (IP)	IP20
Risk group (EN 62471)	RG0
With control gear	No

Electrical Supply

Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V

Mechanical Properties

Length (mm)	100,160
-------------	---------

Ambient Conditions

Operating temperature	-10 ~ 45°C
Application temperature	25°C
Storage environment	-25 ~ 50°C





LED Strip - IP67

- Complete LED Strip portfolio
- LED Strip power range from 4.8 W/m to 14.4 W/m, with minimum 120 Leds per meter
- Multiple driver options available including On/Off, DALI, 1-10V, PWM
- Wide profile portfolio with different color options
- Mounting and silicone kit available as accessory



Specifications

Item Code	Item Description	Lumen (lm/m)	LEDs per meter	Power (W/m)	Minimum cutting length	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
IP67								
806001007300	LEDStrip-E 4.8W-927-600-IP67	600	120	4.8	50	110	2700	0.25
806001007400	LEDStrip-E 4.8W-930-600-IP67	600	120	4.8	50	110	3000	0.25
806001007500	LEDStrip-E 4.8W-940-600-IP67	600	120	4.8	50	120	4000	0.25
806001007900	LEDStrip-E 9.6W-927-1200-IP67	1200	140	9.6	50	115	2700	0.25
806001008000	LEDStrip-E 9.6W-930-1200-IP67	1200	140	9.6	50	115	3000	0.25
806001008100	LEDStrip-E 9.6W-940-1200-IP67	1200	140	9.6	50	125	4000	0.25
806001008700	LEDStrip-E 14.4W-927-1800-IP67	1730	140	14.4	42	110	2700	0.25
806001008800	LEDStrip-E 14.4W-930-1800-IP67	1730	140	14.4	42	110	3000	0.25
806001008900	LEDStrip-E 14.4W-940-1800-IP67	1730	140	14.4	42	120	4000	0.25

Accessories

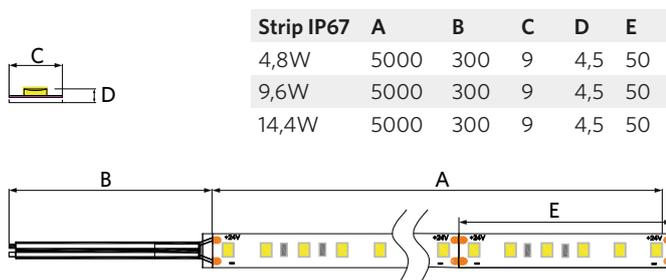
					
806098001800LEDStrip Profile-SF-10x10-AL	806098002000LEDStrip Profile-SF-15x15-AL	806098002400LEDStrip Profile-RC-10x10-AL	806098002500 LEDStrip Profile-RC-15x15- AL	806098002600 LEDStrip Profile-Cor- ner-18x18-AL	806098004600 LEDStrip Silicone-Kit-IP67
806098001900LEDStrip Profile-SF-10x10-BL	806098002100LEDStrip Profile-SF-15x15-BL				
					
806098004700 LEDStrip Mounting-Kit- 10-IP67	820002006500 LEDDriver 24V-75W-DA- LI-IP67	820002006600LEDDriver 24V-150W-DALI-IP67	820002006700LEDDriver 24V-240W-DALI-IP67	820003003900LEDDriver 24V-75W-10V/PWM-IP67	820003004000 LEDDriver 24V-150W-10V/ PWM-IP67
					
820003004100 LEDDriver 24V-240W- 10V/PWM-IP67					

It is recommended to use a power supply between 120% and 150% of the total power needed for the LED Strip
All profiles have a length of 2m and come with a polycarbonate cover as well as 4 end caps - 2 end caps suitable for wirethrough, and 2 standard end caps
The 10mm x 10mm profiles can only be used for the 4.8W and 9.6W LED Strips

Technical Specifications		Electrical Supply	
Lifetime (L70)	50,000 h	Frequency	50 - 60 Hz
Dimmability	DALI2 / 1-10V / PWM	Nominal voltage	220 - 240 V
Colour rendering index (CRI)	> 90	Mechanical Properties	
Ingress Protection (IP)	IP67	Length (mm)	5000
Risk group (EN 62471)	RG0	Ambient Conditions	
With control gear	No	Operating temperature	-10 - 45°C
		Application temperature	25°C
		Storage environment	-25 - 50°C



Dimensional Drawing (mm)





LED Strip - IP67 - Tunable White

- Complete LED Strip portfolio
- Multiple driver options available
- Wide profile portfolio with different color options
- Mounting and silicone kit available as accessory



Specifications

Item Code	Item Description	Lumen (lm/m)	LEDs per meter	Power (W/m)	Minimum cutting length	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
Smart/IP67								
806001008600	LEDStrip-P 12W-1000-TW-IP67	1440	140	12	100	120	2700 - 6500	0.25

Accessoires

 <p>806001023300LEDStrip RGBW/TW-RF-Controller</p>	 <p>806001023500LEDStrip TW-RF-Remote-Controller</p>	 <p>806098002000LEDStrip Profile-SF-15x15-AL</p> <p>806098002100LEDStrip Profile-SF-15x15-BL</p>	 <p>806098002500 LEDStrip Profile-RC-15x15-AL</p>	 <p>806098002600 LEDStrip Profile-Corner-18x18-AL</p>	 <p>806098004600 LEDStrip Silicone-Kit-IP67</p>
 <p>806098004700 LEDStrip Mounting-Kit-10-IP67</p>	 <p>820004013700 LEDDriver 24V-200W-BLE2-TW</p>	 <p>826001000300LEDDriver 24V-80W-BLE2-TW</p>			

It is recommended to use a power supply between 120% and 150% of the total power needed for the LED Strip
 Extra measures are required for Tunable White drivers to obtain an IP rating for outdoor applications
 All profiles have a length of 2m and come with a polycarbonate cover as well as 4 end caps - 2 end caps suitable for wirethrough, and 2 standard end caps

Technical Specifications	
Lifetime (L70)	50,000 h
Dimmability	BLE2
Colour rendering index (CRI)	> 90
Ingress Protection (IP)	IP67
Risk group (EN 62471)	RG0
With control gear	No

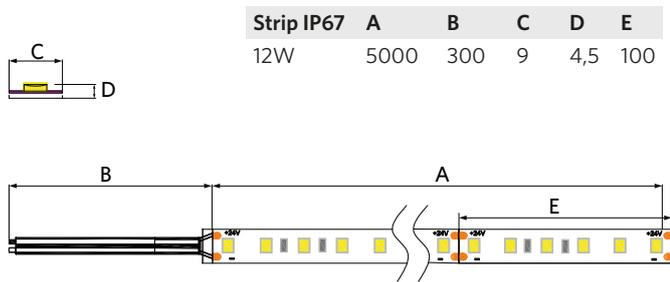
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V

Mechanical Properties	
Length (mm)	5000

Ambient Conditions	
Operating temperature	-10 - 45°C
Application temperature	25°C
Storage environment	-25 - 50°C



Dimensional Drawing (mm)





Module Clio G2

- Fits well in slim ceiling luminaires
- Easy and flexible installation
- Shadow free, homogeneous light diffusion
- High Efficacy up to 117 lm/W
- Integrated driver
- Including magnets and connection box
- Daylight and motion sensor accessory available



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen (lm)	Efficacy (lm/W)	CCT (K)	Net Weight (kg/pc)
On-Off							
140066573	LED E C module 12W 2700K Clio CT	GLS 75W	12	1300	109	2700	0.104
140066574	LED E C module 12W 4000K Clio CT	GLS 75W	12	1400	117	4000	0.104
140066575	LED E C module 16W 2700K Clio CT II	GLS 100W	16	1650	104	2700	0.172
140066576	LED E C module 16W 4000K Clio CT II	GLS 100W	16	1800	113	4000	0.172
Dimmable (Triac)							
140066204	LED E C module 22W DIM 2700K Clio CT	CFL TC-DD/PL-Q 28W	22	2300	105	2700	0.241
140066205	LED E C module 22W DIM 4000K Clio CT	CFL TC-DD/PL-Q 28W	22	2400	110	4000	0.241
140066206	LED E C module 36W DIM 2700K Clio CT	CFL TC-DD/PL-Q 38W	36	3800	106	2700	0.485
140066207	LED E C module 36W DIM 4000K Clio CT	CFL TC-DD/PL-Q 38W	36	3900	109	4000	0.485

Accessories



140060553
LED Module sensor CT

Sensor only for 12W and 16W.
Sensor range 12m.

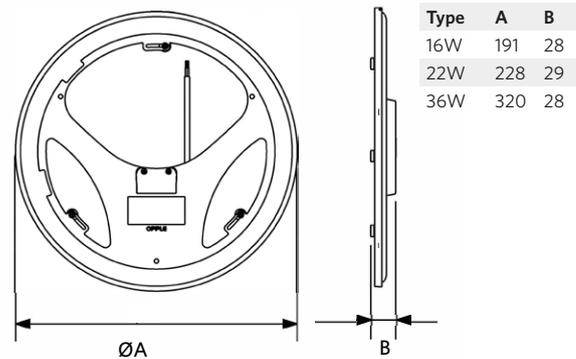
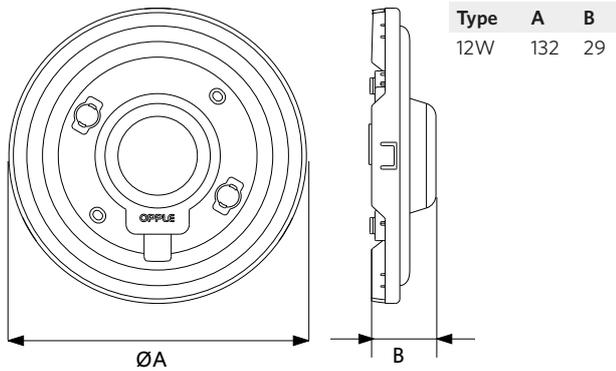
Technical Specifications	
Lifetime (L70)	30,000 h
Lifetime (L80)	20,000 h
On-/Off-cycles	100,000
Dimmability	On-Off / Triac
Beam angle	150°
Colour rendering index (CRI)	> 80
Ingress Protection (IP)	IP20

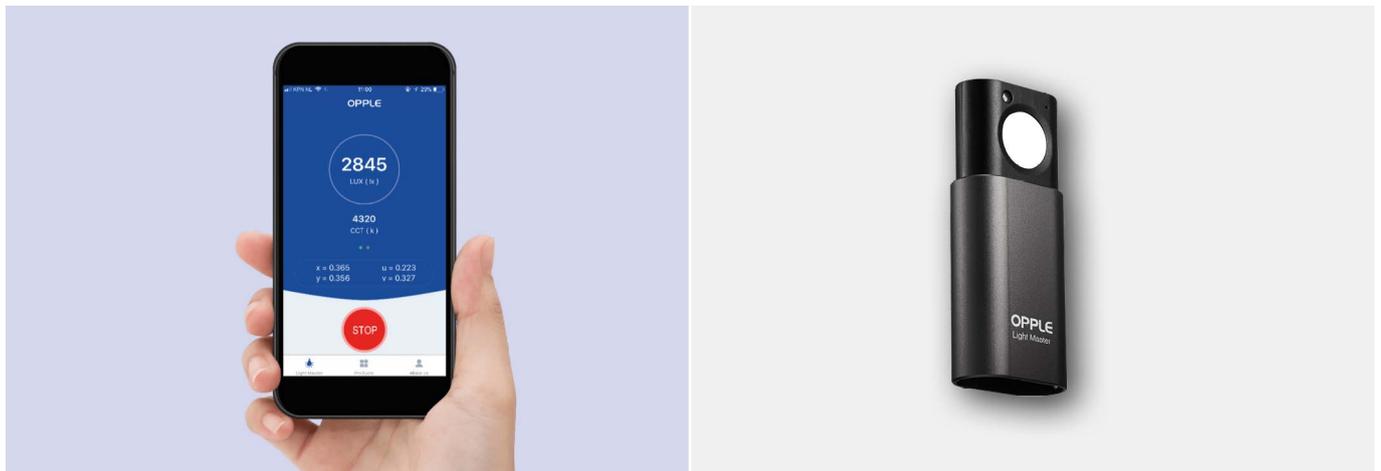
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications
230V Cable length	0.3 m



Ambient Conditions	
Operating temperature	-20 - 40°C
Application temperature	25°C
Storage environment	-25 - 50°C

Dimensional Drawing (mm)





Light Master G4

- Simple solution for measurement of light level (lux), colour temperature (Kelvin), colour rendering (CRI) and flicker
- Now also with R1-R14 measurement
- Easy connection with the Oppla Smart Lighting App via Bluetooth®
- Compatible with iOS and Android
- Rechargeable with micro USB (cable not included)



Specifications

Item Code	Item Description	Net Weight (kg/pc)
Light Master		
821017005100	Light Master IV	0.04

Technical Specifications

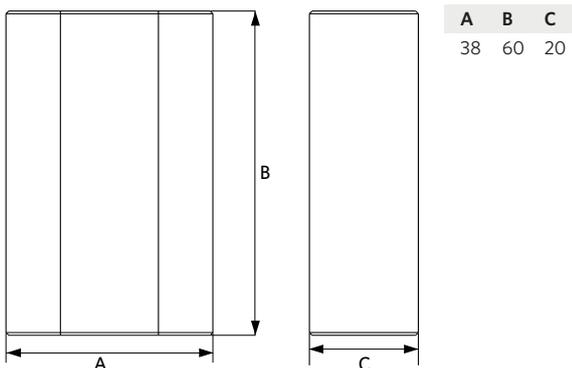
Rechargeable	Yes - USB-C
Lux range	0 - 50000 lx
Colour temperature range	1800 - 12000 K
Accuracy	~ 5% deviation

Ambient Conditions

Operating temperature	-10 ~ 40°C
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Dimensional Drawing (mm)



Accessories

LED Module sensor CT

- Sensor accessory for luminaires
- Detection range: 12m

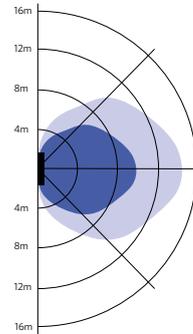
Suitable for:

- Ceiling Light Apollo
- Linear Ecomax
- Module Clío G2

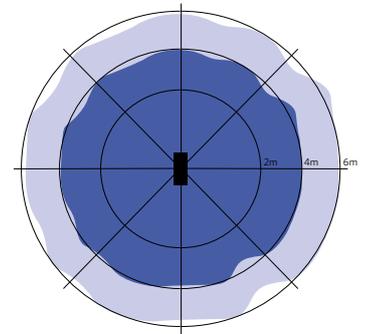
L x W x H: 76.7mm x 35.5mm x 25.5mm



Product Code:
140060553



Installation - Wall Mounted
Suggested installation height 1-1.8m



Installation - Ceiling Mounted
Suggested installation height 2.5-6m

Junction-Box-WH

- Stylish connection box for easy wiring of luminaires
- Completely screwless installation
- Included strain relief on the input and output side

Suitable for:

- All recessed panels
- All recessed downlights
- All recessed spots

L x W x H: 103.4mm x 43mm x 26mm



Product Code:
542098030700

LEDPanelRC-SI U19 EM-kit 1h/3h

- Emergency kit for selected OPPLE panel luminaires
- Including battery (1h or 3h version)
- Plug and play installation

Suitable for:

- Panel Monza
- Panel Lugano
- Panel Torino
- Slim Panel Performer UGR19 G6
- Slim Panel EcoMax G4
- Slim Panel Basic G3
- Downlight Performer G2

L x W x H: 240mm x 34mm x 60mm



Product Code:
542098000800 (1h)
542098000900 (3h)

LEDTrunking DALI Power Supply

- DALI Power supply
- Output: 17VDC, 150mA

Suitable for:

- Powering a DALI network up to 64 DALI devices

L x W x H: 191mm x 49mm x 34mm



Product Code:
542098001000



INNS'
BRUCK

#wearechneestem



Smart 14
Indoor 36
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Technical Data 242
Glossary 254

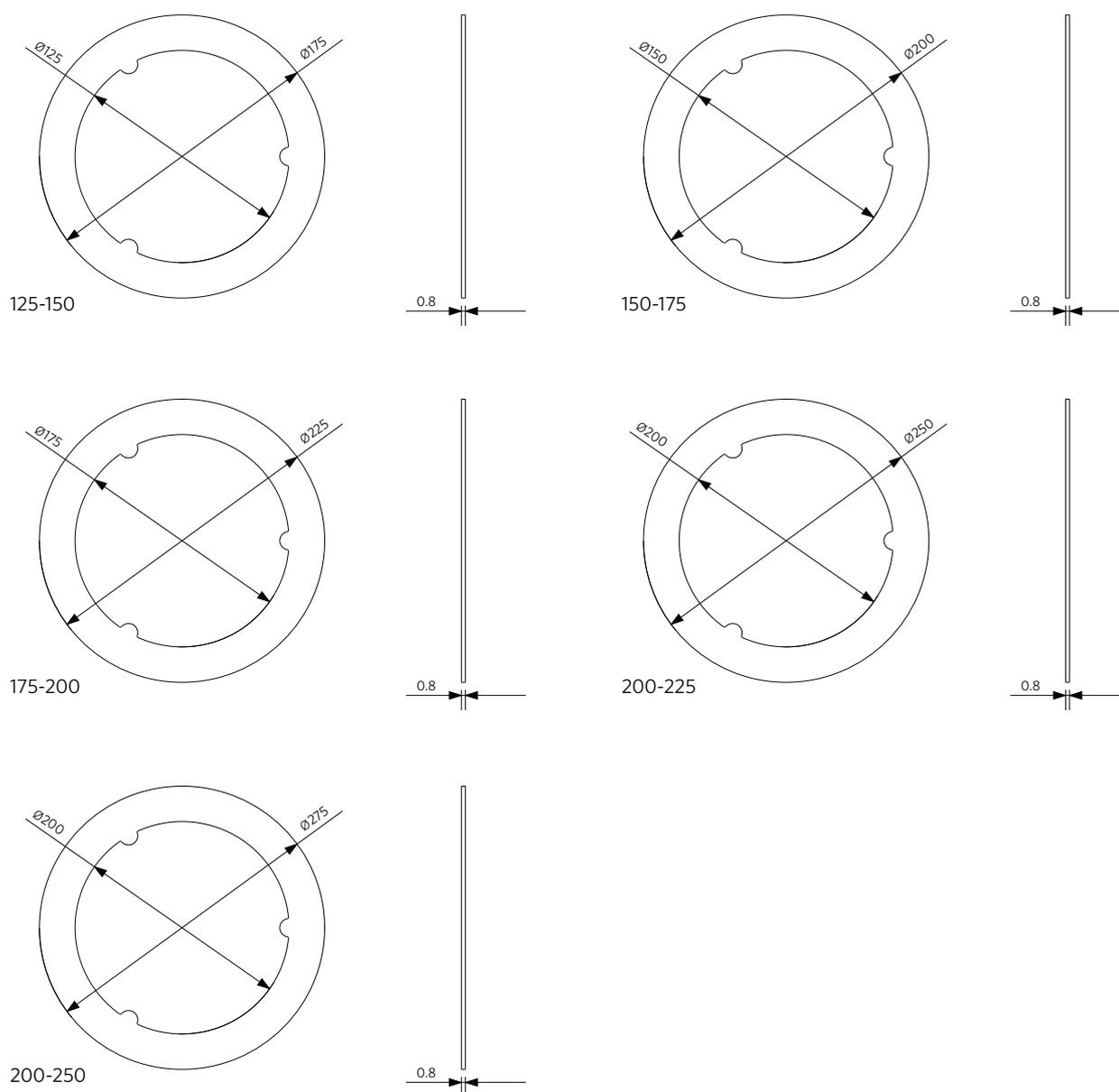
Cut-Out Conversion List

Cut-out overview																		
Cut-Out (mm)		Ø45	Ø55	Ø65	Ø68	Ø72	Ø76	Ø80	Ø100	Ø120	Ø125	Ø150	Ø172	Ø175	Ø200	Ø205	Ø260	
Downlights	Downlight Performer HG	8W									■							
		12W (incl. TW)											■					
		15W														■		
		22W														■		
		24W TW														■		
		30W														■		
		40W														■		
	Downlight Performer MW	8W										■						
		12W (incl. TW)											■					
		15W														■		
		22W														■		
		24W TW														■		
		30W														■		
		40W														■		
	Downlight EcoMax HG	10W										■						
		20W														■		
		30W														■		
		40W														■		
	Downlight Compact	9W								■								
		14W									■							
		18W										■						
		24W														■		
	Downlight Slim EcoMax	6W								■								
		9W									■							
12W											■							
15W													■					
18W														■				
Downlight Flex	9/18W			■	■	■	■	■	■	■	■	■	■	■	■	■	■	
	15/25W									■	■	■	■	■	■	■	■	
	9/18W (Square)			■	■	■	■	■	■	■	■	■	■	■	■	■	■	
	15/25W (Square)									■	■	■	■	■	■	■	■	
Cut-Out (mm)		Ø45	Ø55	Ø65	Ø68	Ø72	Ø76	Ø80	Ø100	Ø120	Ø125	Ø150	Ø172	Ø175	Ø200	Ø205	Ø260	
Spots	Spot Slim EcoMax	5W			■	■												
		7W			■	■												
	Spot Performer Swing	20W									■	■						
		35W												■	■			
	Emergency Spotlight	3W Rd55		■	■	■												
		3W Rd140									■	■						
	Spot Ava G2	5W			■	■	■											
		7W			■	■	■	■										
	Spot Chiara	6W			■	■												
		8W			■	■												

Note: for Downlight Performer HG, Downlight Performer MW, Downlight Compact, Spot Slim EcoMax and Spot Performer Swing, adapter rings are also available.

Adapter Rings Overview

Item code	Item Description	Luminaire cut-out	Existing ceiling hole	Adapter ring outer diameter
140060650	LEDDownlightRc-HZdim-Adapter-125-150	114	150	175
140060646	LEDDownlightRc-P-Adapter-150-175	139	175	200
140060651	LEDDownlightRc-HZdim-Adapter-175-200	173	200	225
140060647	LEDDownlightRc-P-SI-E-Adapter-200-225	199	225	250
140060648	LEDDownlightRc-P-SI-E-Adapter-200-250	199	220-240	275



IP Rated Product Overview

IP-rating	Indoor application	Outdoor application
IP40	Skylight Ringo Fanlight (front side)	
IP44	Downlight Slim EcoMax G2 (front side) Downlight Flex EcoMax G2 (front side) Spot Chiara (front side) Spot Ava G2 Ceiling Light Apollo G4 Linear EcoMax G2	
IP54	Slim Panel Performer UGR19 G7 (front side) Downlight Performer G2 HG (front side) Downlight Performer G2 MW (front side) Downlight EcoMax HG (front side) Wall-Mounted EcoMax G2	
IP65	Emergency Exit Sign (bulkhead type only) Highbay EcoMax G3 Highbay Basic Waterproof Classic G2 Waterproof Basic G2 Waterproof Classic Housing Waterproof Batten	Wall-Mounted Performer G2 Porchlight EcoMax G2 Bollard / Wall Light Leo
IP66	Highbay Performer Linear Highbay Performer G6 Highbay EcoMax G4 Waterproof Performer G4 Waterproof EcoMax G4	Roadlight Stratus Roadlight EcoMax Streetlight G2 Post Top Polaris Post Top Spot Projector Floodlight Olympus G2 Floodlight Modulo Performer G2 Floodlight Performer Floodlight EcoMax G3
IP67		LED Strip - IP67 LED Strip - IP67 - Tunable White
IP67/69K		Waterproof Special

For an explanation of IP protection, see the Definition of terms.

Trunking - module allocation

PARTS REQUIRED FOR ONE LED-LIGHTLINE WITH 50% LED-module allocation



Trunk length (m)	Number of LED modules	Number of 3m trunks	Number of 3m end trunks	Number of 1.5m end trunks	Number of blind plates	Number of feed-in boxes	Number of end caps	Minimum number of hanging points
1.5	1	0	0	1	0	1	1	2
4.5	2	1	0	1	1	1	1	2
7.5	3	2	0	1	2	1	1	3
10.5	4	3	0	1	3	1	1	4
13.5	5	4	0	1	4	1	1	5
16.5	6	5	0	1	5	1	1	6
19.5	7	6	0	1	6	1	1	7
22.5	8	7	0	1	7	1	1	8
25.5	9	8	0	1	8	1	1	9
28.5	10	9	0	1	9	1	1	10
31.5	11	10	0	1	10	1	1	11
34.5	12	11	0	1	11	1	1	12
37.5	13	12	0	1	12	1	1	13
40.5	14	13	0	1	13	1	1	14

PARTS REQUIRED FOR ONE LED-LIGHTLINE WITH 33% LED-module allocation



Trunk length (m)	Number of LED modules	Number of 3m trunks	Number of 3m end trunks	Number of 1.5m end trunks	Number of blind plates	Number of feed-in boxes	Number of end caps	Minimum number of hanging points
1.5	1	0	0	1	0	1	1	2
6.0	2	1	1	0	2	1	1	3
10.5	3	3	0	1	4	1	1	4
15.0	4	4	1	0	6	1	1	6
19.5	5	6	0	1	8	1	1	7
24.0	6	7	1	0	10	1	1	9
28.5	7	9	0	1	12	1	1	10
33.0	8	10	1	0	14	1	1	12
37.5	9	12	0	1	16	1	1	13
42.0	10	13	1	0	18	1	1	15

Roadlight Stratus

Possible pole distances



M-Class Roads

Luminaire	Illuminance Class	Width [m]	Pole distance[m]	Pole height [m]	Boom angle [°]	Light overhang [m]
LED Roadlight Stratus 20W	M5	6	25	6	0	1
		5	28	6,5	0	0,5
		4	30	6,5	0	0,5
	M6	6	38	8	0	0,5
		5	38	8	5	0,5
		4	40	8,5	0	0
LED Roadlight Stratus 40W	M5	6	41	9	0	1
		5	42	9	5	0,5
		4	44	9,5	0	0,5
	M6	6	47	10	15	0,5
		5	47	10	5	0,5
		4	47	10	10	0
LED Roadlight Stratus 60W AS	M3	10	22	8	10	1
		9	26	6,5	10	0,5
		8	28	6,5	5	0,5
	M4	7	30	7	0	1
		10	30	7	10	0,5
		9	32	7,5	10	0,5
LED Roadlight Stratus 80W AS	M3	8	34	8,5	0	1
		7	35	8,5	0	1
		10	31	8	5	1
	M4	9	33	8	5	1
		8	34	8	5	1
		7	35	9	0	1
LED Roadlight Stratus 120W AS	M3	10	38	9	10	1
		9	40	9,5	0	1
		8	41	10	0	1
	M4	7	42	10	0	0,5
		10	41	10	0	0
		9	41	10	0	0
LED Roadlight Stratus 150W AS	M3	8	41	10	0	0
		7	41	10	0	0
		10	47	11,5	5	0,5
	M4	9	48	12	0	0
		8	49	12	5	0
		7	51	12,5	0	0
LED Roadlight Stratus 20W XAS	M5	6	28	6	0	1
		5	30	6	0	0,5
		4	32	6	0	0,5
	M6	6	41	7	0	0,5
		5	43	7,5	0	0,5
		4	43	7,5	5	0
LED Roadlight Stratus 40W XAS	M5	6	46	8	0	1
		5	46	8	0	0,5
		4	49	8,5	0	0,5
	M6	6	50	9,5	0	0,5
		5	50	10	5	0,5
		4	50	10	0	0

*Calculation is based on 4000K version

Lighting Class according to EN 13201: 2015

Lighting Calculation details:

- Roadway surface CIE R3 Qo: 0.07
- Maintenance factor: 0.8
- Arrangement type: single side bottom

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M-Class Roads

Luminaire	Illuminance Class	Width [m]	Pole distance[m]	Pole height [m]	Boom angle [°]	Light overhang [m]
LED Roadlight Stratus 20W XAS	M5	6	28	6	0	1
		5	30	6	0	0,5
		4	32	6	0	0,5
	M6	6	41	7	0	0,5
		5	43	7,5	0	0,5
		4	43	7,5	5	0
LED Roadlight Stratus 40W XAS	M5	6	46	8	0	1
		5	46	8	0	0,5
		4	49	8,5	0	0,5
	M6	6	50	9,5	0	0,5
		5	50	10	5	0,5
		4	50	10	0	0

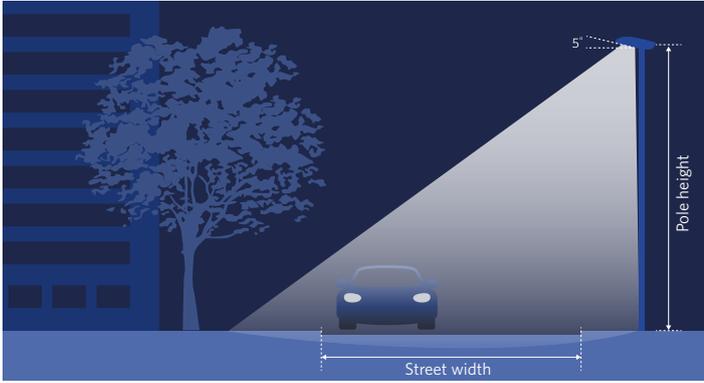
P-Class Roads

Luminaire	Illuminance Class	Width [m]	Pole distance[m]	Pole height [m]	Boom angle [°]	Light overhang [m]
LED Roadlight Stratus 20W AS	P2	6	24	6	0	1
		5	25	6	5	0,5
		4	26	6	5	0,5
	P4	3	27	6	0	0
		6	39	8	0	0,5
		5	40	8	0	0,5
LED Roadlight Stratus 40W AS	P2	4	40	8	0	0
		3	40	8	0	0
		6	39	8	0	1
	P4	5	40	8	0	0,5
		4	40	8	0	0,5
		3	40	8	0	0,5
LED Roadlight Stratus 20W XAS	P2	6	50	9,5	0	0,5
		5	50	10	5	0,5
		4	50	10	5	0
	P4	3	50	9,5	5	0
		6	21	6	0	1
		5	22	6	0	0,5
LED Roadlight Stratus 40W XAS	P2	4	22	6	0	0,5
		3	22	6	0	0
		6	40	6,5	0	0,5
	P4	5	40	6,5	0	0,5
		4	39	6,5	0	0
		3	39	6,5	0	0
LED Roadlight Stratus 40W XAS	P2	6	40	6,5	0	1
		5	40	6,5	0	0,5
		4	39	6,5	0	0,5
	P4	3	39	6,5	0	0,5
		6	50	9	10	0,5
		5	50	8	5	0,5
P4	4	50	8,5	10	0	
	3	50	8,5	5	0	

Roadlight EcoMax

Possible pole distances

Maximum Pole Distances



Lighting Class according to EN 13201: 2015
 Lighting Calculation details:

- Roadway surface CIE R3 Qo: 0.07
- Maintenance factor: 0.8
- Arrangement type: single side bottom

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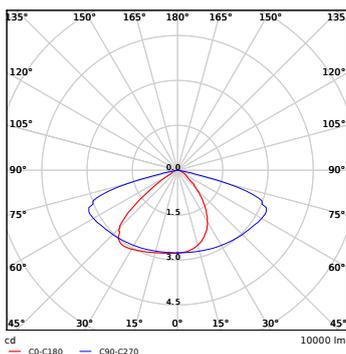
M-Class Roads

Luminaire	Illuminance Class	Width [m]	Pole distance[m]	Pole height [m]	Boom angle [°]	Light overhang [m]
LEDRoadlight-E 80W	M3	7	30	7	0	1
		8	28	7	0	1
		9	27	7	0	1
		10	25	7	5	1
		11	23	6.5	10	1
LEDRoadlight-E 80W	M4	7	36	8	5	1
		8	35	8	0	1
		9	34	7.5	0	1
		32	7.5	5	1	
		11	29	7.5	10	1

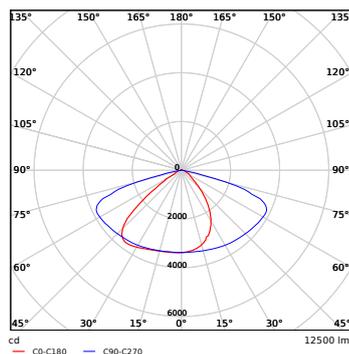
Luminaire	Illuminance Class	Width [m]	Pole distance[m]	Pole height [m]	Boom angle [°]	Light overhang [m]
LEDRoadlight-E 100W	M3	7	34	8	0	1
		8	34	7.5	0	1
		9	32	7.5	0	1
		10	30	7.5	0	1
		11	28	7	10	1
LEDRoadlight-E 100W	M4	7	41	9	0	0.5
		8	40	9	0	1
		9	39	8.5	0	1
		37	8.5	0	1	
		11	36	8.5	0	1

M-class = main road

Polar Diagrams



LEDRoadlight-E 80W

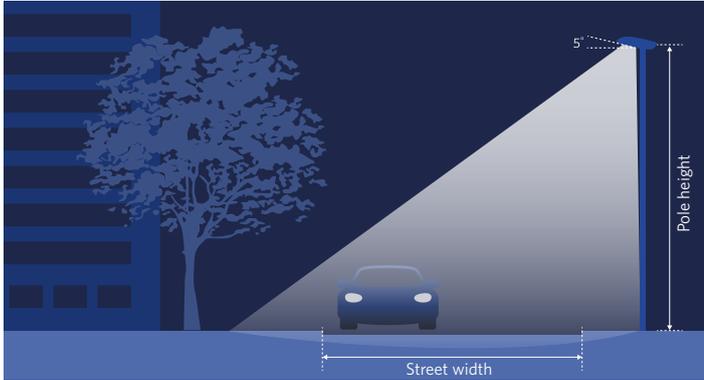


LEDRoadlight-E 100W

Streetlight G2

Possible pole distances

Maximum Pole Distances



Lighting Class according to EN 13201: 2015
 Lighting Calculation details:
 • Roadway surface CIE R3 Qo: 0.07
 • Maintenance factor: 0.8
 • Arrangement type: single side bottom

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M-Class Roads

Luminaire	Illuminance Class	Street width [m]	Maximum pole distance[m]	Pole height [m]	Boom angle [°]	Light overhang [m]
LEDStreetlight-E2 20W	M5	4	26	5	5	0.1
		5	24	5	5	0.3
		6	22	5	5	0.4
	M6	4	35	7	5	0.2
		5	34	6.5	5	0.1
		6	32	6.5	5	0.5
LEDStreetlight-E2 40W	M5	4	37	7.5	5	0.4
		5	36	7	5	0.2
		6	34	7	5	0.4
	M6	4	49	10	5	0.5
		5	48	9.5	5	0.1
		6	46	9.5	5	0.5
LEDStreetlight-E2 60W	M4	5	34	8.5	5	0.3
		6	33	8.5	5	0.4
		7	32	8	5	0.4
	M5	8	30	8	5	0.5
		5	47	10	5	0.3
		6	46	9.5	5	0.3
7	44	9.5	5	0.5		
8	41	9.5	5	0.5		

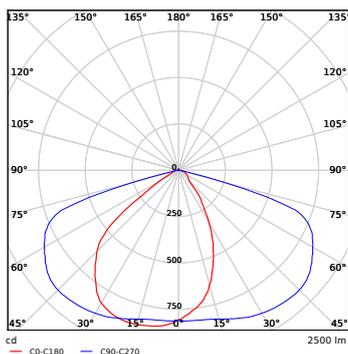
M-class = main road

P-Class Roads

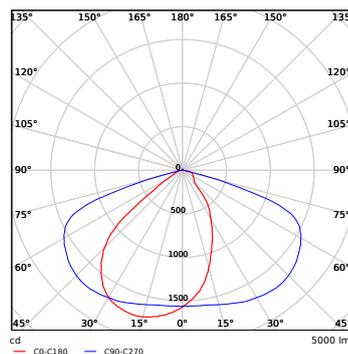
Luminaire	Illuminance Class	Street width [m]	Maximum pole distance[m]	Pole height [m]	Boom angle [°]	Light overhang [m]
LEDStreetlight-E2 20W	P2	3	24	4.5	5	0
		4	23	4	5	0
		5	23	4	5	0.5
	P4	6	20	4	5	0.3
		3	35	6.5	5	0.5
		4	35	6.5	5	0.3
LEDStreetlight-E2 40W	P2	5	34	6	5	0.1
		6	33	6	5	0.5
		3	32	6	5	0.4
	P4	4	32	6.5	5	0.5
		5	32	6	5	0.2
		6	31	5.5	5	0.2
LEDStreetlight-E2 60W	P2	3	47	9	5	0.1
		4	47	9	5	0.3
		5	46	9	5	0.5
	P4	6	46	8.5	5	0.3
		4	43	8.5	5	0.3
		5	42	8	5	0.1
6	41	8.5	5	0.3		
7	41	8	5	0.5		

P-class = pedestrian road

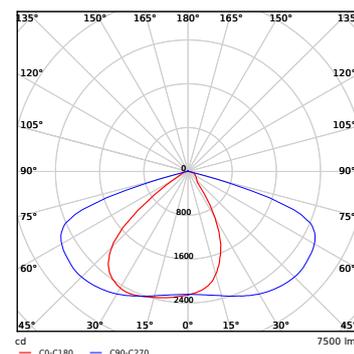
Polar Diagrams



LEDStreetlight-E2 20W



LEDStreetlight-E2 40W

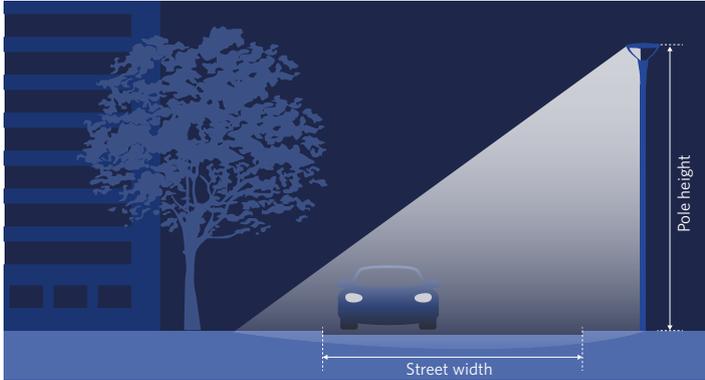


LEDStreetlight-E2 60W

Post Top

Possible pole distances

Maximum Pole Distances



Lighting Class according to EN 13201:2015
 Lighting Calculation details:

- Roadway surface CIE R3 Qo:0.07
- Maintenance factor: 0.8
- Arrangement type: single side down

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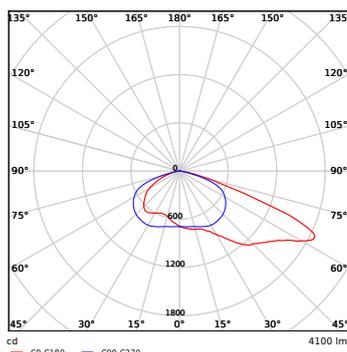
P-Class Roads

Luminaire	Illuminance Class	Street width [m]	Maximum pole distance[m]	Pole height [m]	
LED Post Top 33W - AS	P2	3	22	4,5	
		4	21	4,5	
		5	21	4,5	
		6	21	4	
	P3	3	25	5	
		4	25	5	
		5	25	5	
	P4	3	30	6	
		4	30	6	
		5	30	5,5	
	LED Post Top 50W - AS	P2	3	28	5,5
			4	28	5,5
5			27	5	
6			27	5	
P3		3	32	6,5	
		4	32	6,5	
		5	31	6,5	
P4		3	40	8	
		4	39	8	
		5	39	8	
			6	38	7,5

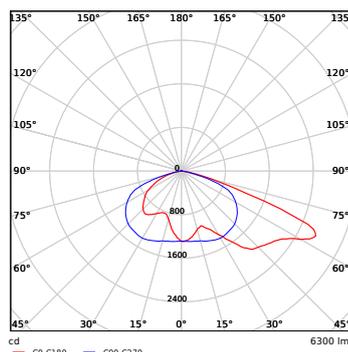
P-class = pedestrian road

*Calculation is based on 4000K version

Polar Diagrams



LEDPostTop-P 33W-AS



LEDPostTop-P 50W-AS

Post Top Polaris

Possible pole distances

Maximum Pole Distances



Lighting Class according to EN 13201:2015

Lighting Calculation details:

- Roadway surface CIE R3 Qo:0.07
- Maintenance factor: 0.8
- Arrangement type: single side down

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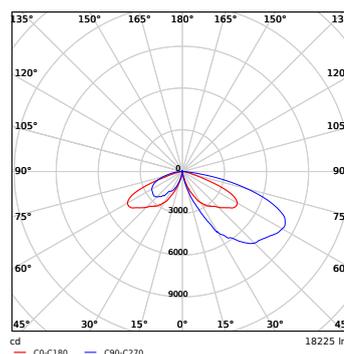
P-Class Roads

Luminaire	Illuminance Class	Street width [m]	Maximum pole distance[m]	Pole height [m]
Post Top Polaris 15W -- AS	P2	3	17	3
		4	17	3
		5	16	3
		6	16	2,5
	P3	3	20	3,5
		4	20	3,5
		5	19	3,5
	P4	6	18	3
		3	24	4
		4	24	4
		5	24	4
	Post Top Polaris 25W -- AS	P2	6	24
3			21	3,5
4			22	4
5			22	4
P3		6	22	4
		3	25	4,5
		4	26	4,5
		5	26	4,5
P4		6	26	4,5
		3	30	5
		4	31	5,5
		5	31	5,5
Post Top Polaris 35W -- AS	P2	6	31	5,5
		3	26	4,5
		4	26	4,5
		5	26	4,5
	P3	6	26	4,5
		3	29	5
		4	30	5
	P4	5	30	5
		6	30	5
		3	35	6
		4	36	6
	P4	5	37	6
6		37	6,5	
6		37	6,5	

P-class = pedestrian road

*Calculation is based on 4000K version

Polar Diagram





SMART

INDOOR

OUTDOOR

LAMPS & TOOLS

TECHNICAL DATA

GLOSSARY





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Definition of terms

CRI (Ra)

Colour Rendering Index

A color rendering index (CRI) is a quantitative measure of the ability of a light source to reveal the colors of various objects faithfully in comparison with an ideal or natural light source.

CCT

Color temperature in Kelvin

The color temperature of a light source is the temperature of an ideal black-body radiator that radiates light of comparable color to that of the light source.

lm

lumen

The lumen (symbol: lm) is a measure of the total quantity of visible light emitted by a source

lx

lux

lumen/m²

The lux (symbol: lx) is measuring luminous flux per unit area. It is equal to one lumen per square metre. In photometry, this is used as a measure of the intensity, as perceived by the human eye, of light that hits or passes through a surface.

Efficacy

lm/W

Amount of light produced (lm) per unit of energy consumed (W) Luminous Efficacy is a measure of how well a light source produces visible light. It is the ratio of luminous flux to power, measured in lumens per watt

UGR

Unified Glare Rating

The unified glare rating (UGR) is a measure of the glare in a given environment. It is basically the logarithm of the glare of all visible lamps, divided by the background lumination.

DALI/DALI2

Digital Addressable Lighting Interface

Digital Addressable Lighting Interface (DALI) is a trademark for network-based systems that control lighting in building automation.

DALI DT8

DALI Device type 8

Allows for the control of both the intensity (brightness) and the color temperature of the Tunable White (TW) lighting fixtures.

SDCM

Standard deviation of color matching

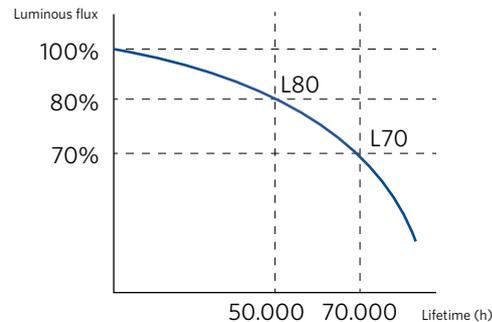
SDCM has the same meaning as a "MacAdam ellipse". A 1-step MacAdam ellipse defines a zone in the CIE 1931 2 deg (xy) colour space within which the human eye cannot discern colour difference.

Power factor (pf)

Difference between power and apparent power

The power factor of an AC electrical power system is defined as the ratio of the real power flowing to the load to the apparent power in the circuit and is a dimensionless number in the closed

interval of -1 to 1. A power factor of less than one means that the voltage and current waveforms are not in phase, reducing the instantaneous product of the two waveforms.



Lifespan

L70: Rated Median Useful Life during which LED based luminaires have their luminous flux degraded to 70 % (L70) of their initial flux, but are still operating.

L70 is as described in IEC 62717 and IEC 62722-2-1.

Input current

The steady state current which a device uses from the net after switch-on

Inrush Current

The maximum current that will occur during a short period of time after switching on of the luminaire.

IP

International Protection Rating

- I. The IP Code, International Protection Marking, IEC standard 60529, sometimes interpreted as Ingress Protection Marking, classifies and rates the degree of protection provided against intrusion (body parts such as hands and fingers), dust, accidental contact, and water by mechanical casings and electrical enclosures. It is published by the International Electrotechnical Commission (IEC). The equivalent European standard is EN 60529.
- II. The IP code consists of two digits. First digit: Solid particle protection. Second digit: Liquid ingress protection

1. The first digit indicates the level of protection that the enclosure provides against access to hazardous parts

- IP 0* No protection against contact and ingress of objects
- IP 1* Any large surface of the body, such as the back of a hand, but no protection against deliberate contact with a body part (> 50 mm)
- IP 2* Fingers or similar objects > 12.5 mm)
- IP 3* Tools, thick wires, etc. > 2.5mm)
- IP 4* Most wires, slender screws, large ants etc. 1 mm
- IP 5* Ingress of dust is not entirely prevented, but it must not enter in sufficient quantity to interfere with the satisfactory operation of the equipment.
- IP 6* No ingress of dust; complete protection against contact (dust tight). A vacuum must be applied. Test duration of up to 8 hours based on air flow.

2. The second digit indicates the level of protection that the enclosure provides against harmful ingress of water.

- IP *0 None
- IP *1 Dripping water (vertically falling drops) shall have no harmful effect on the specimen when mounted in an upright position onto a turntable and rotated at 1 RPM.
- IP *2 Vertically dripping water shall have no harmful effect when the enclosure is tilted at an angle of 15° from its normal position. A total of four positions are tested within two axes.
- IP *3 Water falling as a spray at any angle up to 60° from the vertical shall have no harmful effect, utilizing either:
 - a) an oscillating fixture, or b) A spray nozzle with a counterbalanced shield. Test a) is conducted for 5 minutes, then repeated with the specimen tilted 90° for the second 5-minute test. Test b) is conducted (with shield in place) for 5 minutes minimum.
- IP *4 Water splashing against the enclosure from any direction shall have no harmful effect, utilizing either: a) an oscillating fixture, or b) A spray nozzle with no shield. Test a) is conducted for 10 minutes. Test b) is conducted (without shield) for 5 minutes minimum.
- IP *5 Water projected by a nozzle (6.3 mm) against enclosure from any direction shall have no harmful effects.
- IP *6 Water projected in powerful jets (12.5 mm nozzle) against the enclosure from any direction shall have no harmful effects.
- IP *7 Ingress of water in harmful quantity shall not be possible when the enclosure is immersed in water under defined conditions of pressure and time (up to 1 m of submersion).
- IP *8 The equipment is suitable for continuous immersion in water under conditions which shall be specified by the manufacturer. However, with certain types of equipment, it can mean that water can enter but only in such a manner that it produces no harmful effects. The test depth and/or duration is expected to be greater than the requirements for IPx7, and other environmental effects may be added, such as temperature cycling before immersion.
- IP *9K Protected against close-range high pressure, high temperature spray downs. Smaller specimens rotate slowly on a turntable, from 4 specific angles. Larger specimens are mounted upright, no turntable required, and are tested freehand for at least 3 minutes at distance of 0.15-0.2 m."

IK

This is an international numeric classification for the degrees of protection provided by enclosures for electrical equipment against external mechanical impacts. It provides a means of specifying the capacity of an enclosure to protect its contents from external impacts.

The most common IK values are:

- IK 02 Impact Resistance 0.2 Joules
Standard impact resistance, for example, a standard fixture
- IK 04 Impact Resistance 0.5 Joules
Standard Plus impact resistance, for example, a standard luminaire with an enhanced optical system
- IK 07 Shock resistance 2 Joule
Fortified fixture, for example, a standard fixture with a grid
- IK 08 Resistance to shock of 5 Joules
Vandalism protective fixture, such as a closed luminaire with polycarbonate or glass shade
- IK 10 Shock resistance 20 Joules
Vandal-proof fixture, for example a closed luminaire

SKG

SKG has developed into the partner for safeguarding the long-term performance and safety of industrial products for the building envelope.

Protection class

IEC protection classes are defined in IEC 61140 and used to differentiate between the protective-earth connection requirements of devices. These appliances must have their chassis connected to electrical earth.

- Class 0 These appliances have no protective-earth connection and feature only a single level of insulation between live parts and exposed metalwork. If permitted at all, Class 0 items are intended for use in dry areas only.
- Class 1 These appliances must have their chassis connected to electrical earth (US: ground) by a separate earth conductor (coloured green/yellow in most countries, green in the US, Canada and Japan). The earth connection is achieved with a 3-conductor mains cable, typically ending with 3-prong AC connector which plugs into a corresponding AC outlet.
- Class 01 Electrical installations where the chassis is connected to earth with a separate terminal, instead of via the mains cable. In effect this provides the same automatic disconnection as Class I, for equipment that otherwise would be Class 0
- Class 2 A Class II or double insulated electrical appliance is one which has been designed in such a way that it does not require a safety connection to electrical earth (ground).
- Class 3 A Class III appliance is designed to be supplied from a separated/safety extra-low voltage (SELV) power source. The voltage from a SELV supply is low enough that under normal conditions a person can safely come into contact with it without risk of electrical shock. The extra safety features built into Class I and Class II appliances are therefore not required. For medical devices, compliance with Class III is not considered sufficient protection, and further more-stringent regulations apply to such equipment.

Flicker free

Flicker is the fluctuation of the light output of a luminaire or lamp in time. The amount of flicker is expressed by the flicker percentage. If the flicker percentage is categorized as "no risk" according to the IEEE1789 standard, OPPL categorizes the product as being "flicker free".

D-Mark

According to VDE 0711 Part 2 – 24, luminaires bearing this symbol, due to their limited surface temperatures, are suitable for installations where dust material presents a fire hazard.

Zhaga

Zhaga is an industry-wide consortium aiming to standardize specifications for interfaces between LED luminaires and light engines. The aim is to permit interchangeability between products made by different manufacturers.

Zhaga Book 18 describes a smart interface between outdoor luminaires and sensing/communication nodes. It specifies power and communication aspects in addition to the mechanical fit and electrical pins.

Glossary

Glossary general

CCT

Color temperature in Kelvin

CRI (Ra)

Colour Rendering Index

DALI

Digital Addressable Lighting Interface

Efficacy

lm/W

Amount of light produced (lm) per unit of energy consumed (W)

IK

Impact resistance

Input current

The maximum, instantaneous input current drawn by an electrical device when first turned on

Inrush Current

The maximum current that will occur during a short period of time after switching on of the luminaire.

IP

Ingress Protection Rating

L70

Rated Median Useful Life during which LED based luminaires have their luminous flux degraded to 70 % (L70) of their initial flux, but are still operating

lm

lumen

luminous flux

lx

lux

lumen/m²

Power factor (pf)

Difference between power and apparent power

Displacement factor (DF)

The phase shift between voltage and current at the fundamental line frequency ($\cos \phi$)

SDCM

standard deviation of color matching

UGR

Unified Glare Rating

Glare reduction

Glossary Opple - abbreviation

100pct

100 percent

3C-P

3 phase track performer

AL

Aluminum

AS

Asymmetric beam angle

BA

Brushed aluminum

B

Basic

BL

Black

BL

Blister

CL

Clear

CT

Carton

Dim

Dimmable

D/I

Direct / Indirect

DF-DZ

Diffusor version (trunking)

DT8

Device type 8

E2 / HQ2 / G2

2nd Generation

EM1 / EM3

Emergency lighting 1 hour / 3 hours

FR

Frosted

G

Grille

HCL

Human Centric Lighting

HG

High Gloss

L12

Length 1200mm

LUM

Luminaire only (excl. driver)

MD

Motion/day-light detection

MW

Matt white

N

Narrow

P

Performer

PIR

Passive InfraRed motion sensor

PMMA

Polymethylmethacrylaat

Rc

recessed

Re

Rectangle

S / SI

Slim

SI-E

Slim EcoMax

SDL

Software Defined Lighting
(OPPLE patented natural light technology)

Sp-Z

Suspended Zenith

Sq

Square

TW

Tunable White

U19

UGR value ≤ 19

W

Wide beam angle

WH

White

XAS

"Extra Asymmetric" beam angle

XN

Extra narrow

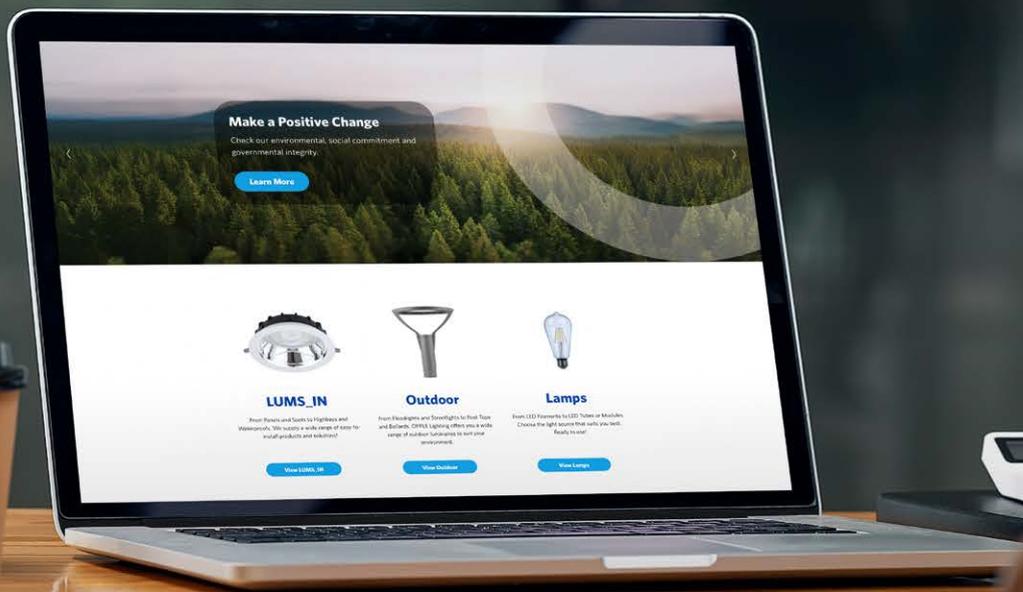
ZH

Zhaga

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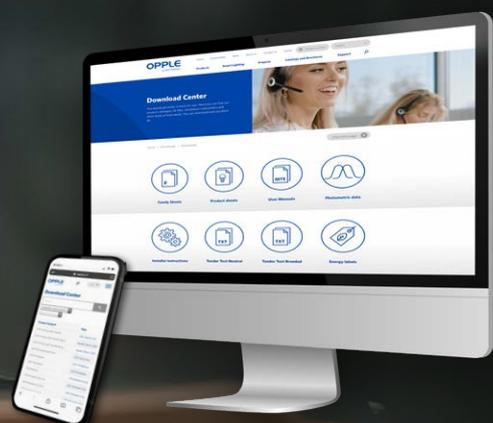
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TOOLS

- ▶ Trunking Configurator
- ▶ LED Strip Configurator
- ▶ Dialux
- ▶ Relux
- ▶ TCO Calculation

DOWNLOAD CENTER

- ▶ Brochures
- ▶ Family sheets
- ▶ Installation instructions
- ▶ Photometric data
- ▶ Energy labels
- ▶ Terms & conditions
- ▶ User Manuals
- ▶ Guarantee and warranty policy



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