

OPPLE
LIGHTING.

APRIL 2024

LED Portfolio



OPPLE.COM

OPPLE Lighting.

Dear valued partner,

This year, we are proud to celebrate OPPLE Lighting's 10th anniversary in Europe. What started as a modest team that has grown into a leading organisation, with a presence in more than 33 countries. Our journey from the beginning has been driven by a commitment to be your trusted partner, and we are delighted that we have gained and continue to gain the trust of many. We are committed to continuing to earn and exceed this trust.

This brand-new catalogue is more than just a collection of products; it reflects our ongoing ambition to innovate with you, our valued customer, in mind. Discover a range of new luminaires designed to meet your unique needs. In addition, we are proud to present the latest additions to our Smart Lighting portfolio, through which we aim to provide intelligently controllable buildings with greater ease of use and additional energy savings.

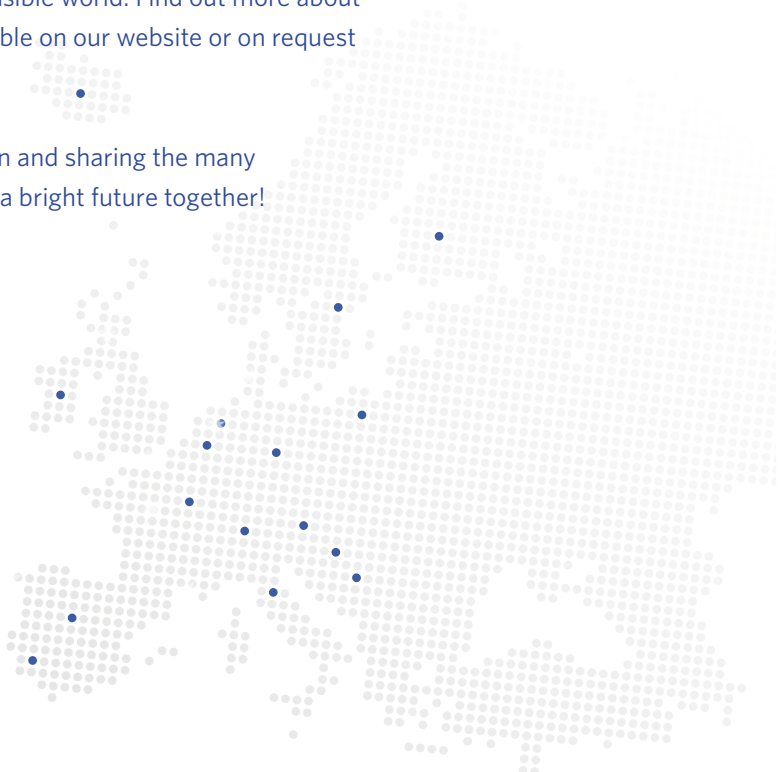
Our commitment to your well-being is also evident in our Tunable White and Human Centric Lighting solutions, which can adjust lighting conditions to improve the well-being of space users.

At Opplé, our mission goes beyond providing innovative lighting solutions. We nurture the vision of a sustainable and responsible world. Find out more about our efforts in our new Sustainability report, available on our website or on request from your account manager.

We look forward to strengthening our cooperation and sharing the many opportunities OPPLE can offer for you. Let's have a bright future together!



Jan Hoogstra
Managing Director OPPLE Lighting Europe



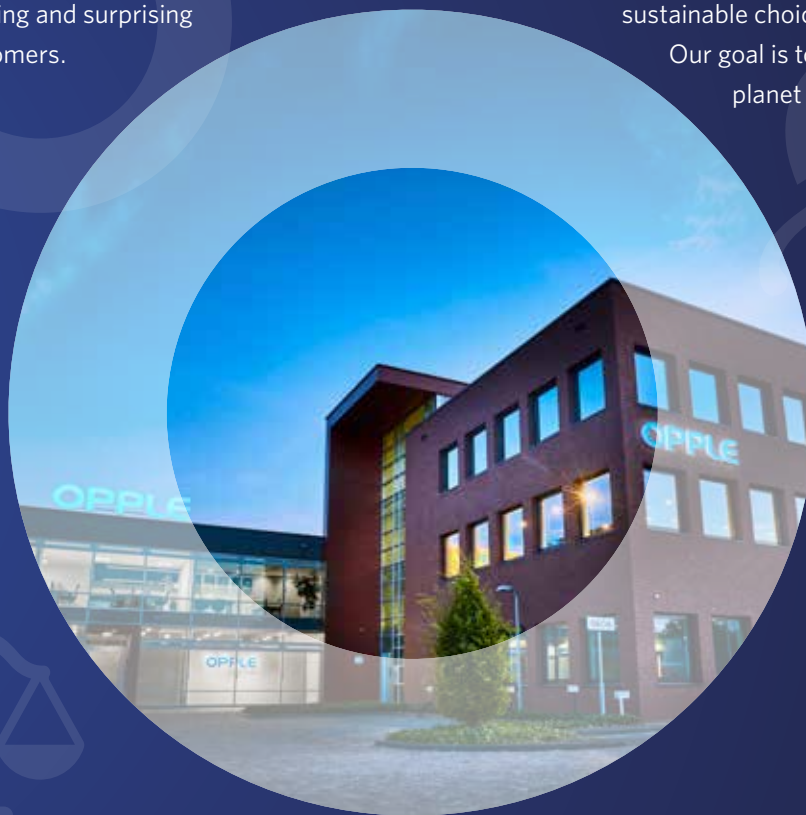
Who we are

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.

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.



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.

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



At OPPLE Lighting, we believe in lighting the way towards a brighter, more sustainable world. Our belief is built on 3 pillars, which are a testament to our dedication to creating a sustainable future for all.

ENVIRONMENTAL

Lighting with Care

We focus on minimizing our ecological footprint by innovations in energy-efficient lighting solutions. This ensures that we not only light up spaces but also preserve our planet.

SOCIAL

Shining Together

We want to give back to the community, engaging in initiatives, supporting local communities to ensuring safe and equitable working conditions. We believe in lighting up lives.

GOVERNANCE

Guiding with Transparency

We adhere to strict compliance and ethical standards, ensuring that our business operations reflect our dedication to sustainability and corporate responsibility.

In-house R&D focusing on sustainable Product Development

We are proud of controlling the integral parts of product development and innovation. Through sincere investments into innovation of more than €45 Million annually, we can achieve our goals towards a sustainable future faster. Our innovation pillars are:

1. **Efficiency** → Energy Saving
2. **Smart Lighting** → Industry leading Smart solution for additional energy saving
3. **Human Centric Lighting** → Light quality, Well-being and Health
4. **Quality and regulatory compliance** → Safe and long-lasting
5. **Affordability** → Sustainability for everyone
6. **Circularity** → Modular design and easy recycling



State-of-the-art manufacturing

Opplé owns three fully vertically integrated production facilities using energy-efficient manufacturing techniques to minimize waste and energy consumption. Large investments have been made, for example, on the main Wujiang campus in China, where Opplé has installed 80.000m² of PV-panels, delivering more than 11 MW of renewable energy to the factory. This results in a reduction of 8,749 tons in CO₂ emissions, equivalent to planting 480,000 trees annually.

A ground source heat pump with heating/cooling capacity of circa 5.2MW is another key investment to make our manufacturing sites as sustainable as modern technology allows.

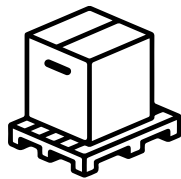




Top-Tier Distribution partners with emission-free last mile transportation

We are working in strategic partnership with top distribution partners to ensure that our products are transported with the lowest possible carbon footprint, leveraging eco-friendly logistics solutions. Through our partners, our logistics operations aim to be carbon neutral by 2040.

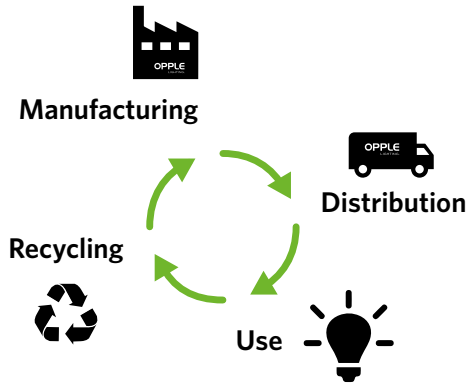
Next to that we offer **Tailored project deliveries** to our customers minimizing packaging waste and reducing CO₂



Key Partnerships with local recycling organisation and take-back systems



Opplé actively collaborates with recycling agencies in its operational countries (i.e. WEEE) to ensure that all components are properly processed at the end of life. This life cycle approach underpins our dedication to minimizing environmental footprint and contributing to the principles of a circular economy.



Full Lifecycle Assessments in progress

We are actively engaged in the implementation of Life Cycle Assessments (LCAs) and resulting verified Environmental Product Declarations (EPDs). These assessments provide valuable insights into the environmental impacts of our products and processes. This will guide us in making even better-informed decisions that prioritize sustainability and efficiency.

ISO-Certified Management Systems



Diversity at Opplé

Diversity and inclusion are woven into our DNA, with a dedication to ensuring talented employees succeed irrespective of background, culture, religion, age, or identity. By embracing this we want to be a driving source of community support, change and long-term prosperity.





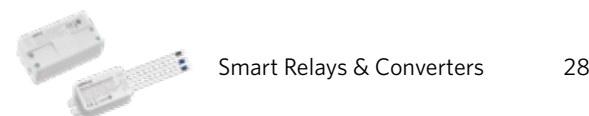
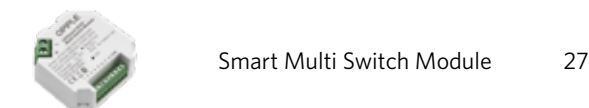
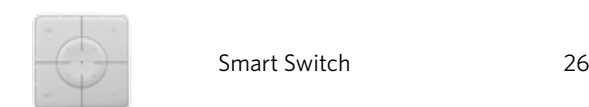
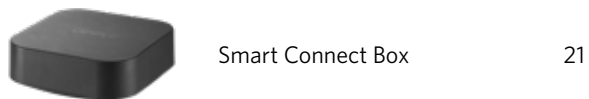


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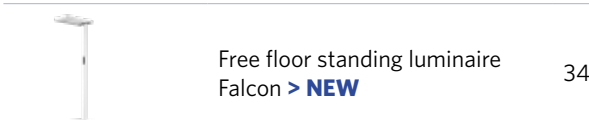
SMART

SMART LIGHTING

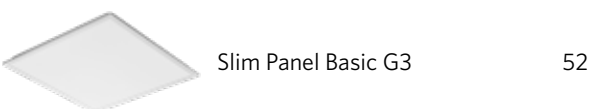
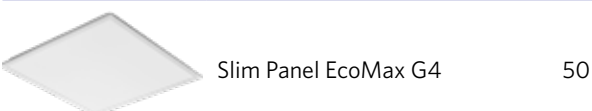
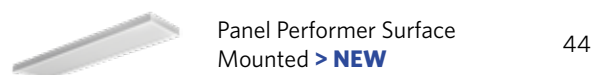
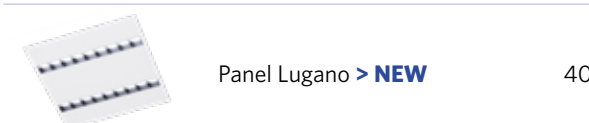
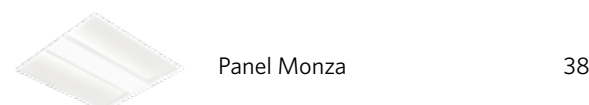
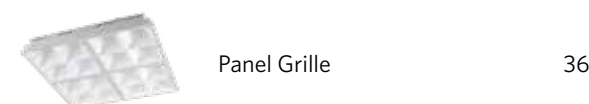


INDOOR

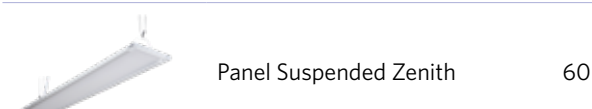
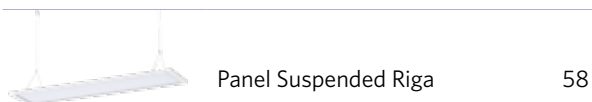
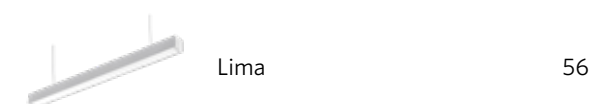
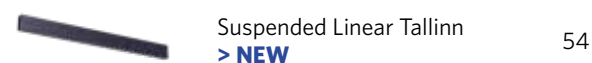
FREE FLOOR STANDING LUMINAIRES



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OPPLE ONLINE



@OppleLightingEurope

Check our website OPPLE.COM for the latest overview of our complete portfolio and related specifications.

TOOLS

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- ▶ Trunking Configurator

DOWNLOAD CENTER

- ▶ Family sheets
- ▶ Installation instructions
- ▶ Photometric data
- ▶ Energy labels
- ▶ Connection specifications
- ▶ Dimmer compatibility list
- ▶ Terms & conditions
- ▶ 3D (BIM) Models
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A hand is shown holding a smartphone, with a blue-tinted background. A network diagram with glowing nodes and connecting lines is overlaid on the image. A white circular area contains the table of contents.

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OPPLE Smart Lighting

Full Smart Lighting portfolio upgraded to BLE2 products, based on the standardized Bluetooth SIG Mesh protocol.*

Benefits:

- Industry standard wireless BLE protocol
- Improved OPPLE Smart App with more features
- Improved communication reliability
- Possibility to integrate 3rd party devices

With OPPLE Smart Lighting you can count on:

- 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 balance, the corridor mode, movement sensors and smart relays
- Maximum security thanks to coded signals and strict user management
- An excellent and affordable Smart Lighting system



* Note: BLE1 and BLE2 products cannot be mixed in the same Smart project, unless a BLE1 and a BLE2 Connect Box are both used.

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

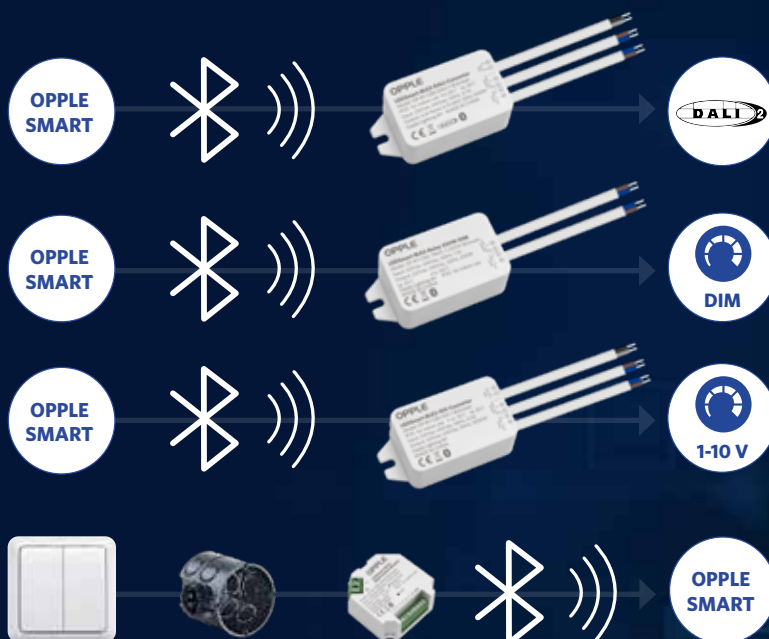


Available as Tunable White

- Varying colours in the same fixture
- Warm white to cool white (2700K - 6500K)
- Easy to install and control via the Smart Lighting system
- Healthcare and 24hrs applications



Compatibility with 3rd party luminaires

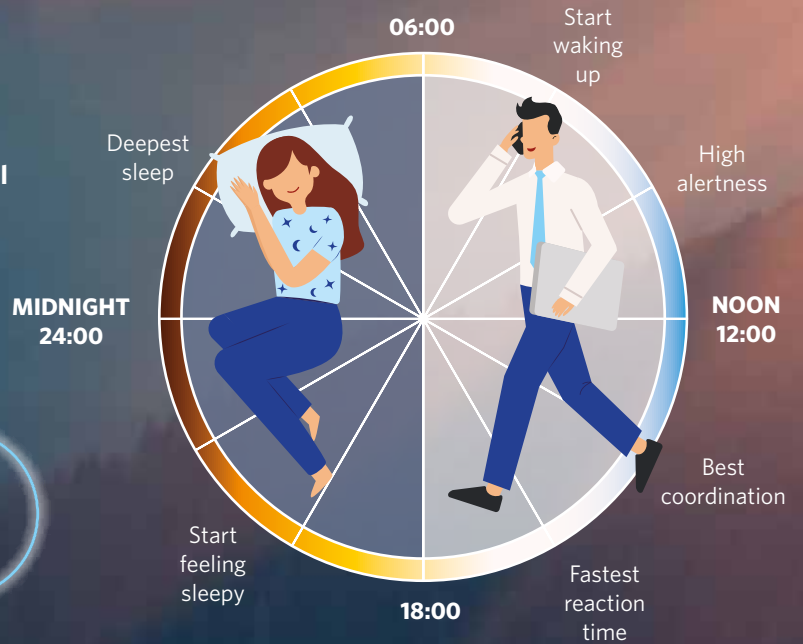


OPPLE Human Centric Lighting

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.



Benefits of HCL and an improved circadian rhythm include:



Better wellbeing



Greater focus and alertness



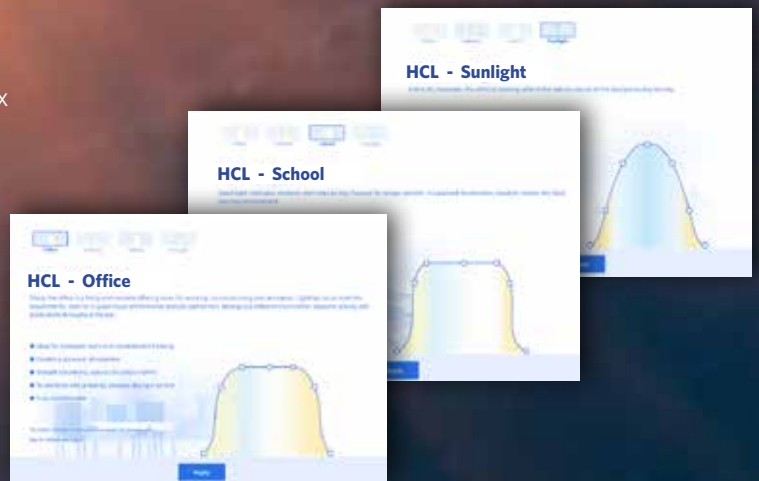
Higher productivity



Enhanced sleeping quality

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.

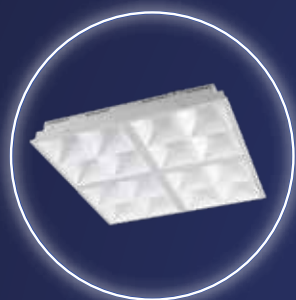
FULL HCL



HCL - Brightness only



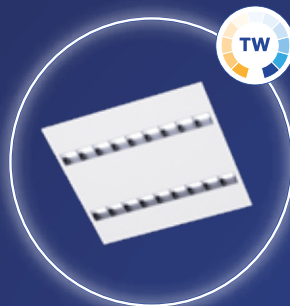
Smart Lighting Portfolio



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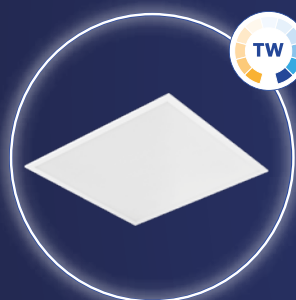
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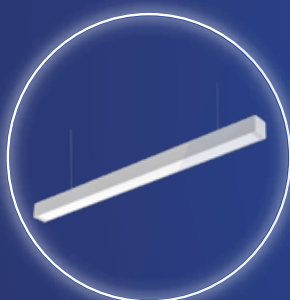
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OPPLE Smart Connect Box

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.

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.
- 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.

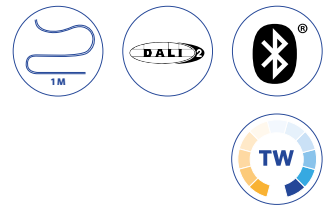


OPPLE "Classic" Smart Lighting vs Connect Box	"Classic" Smart Lighting system	Smart Connect Box system
Use of Smart Switch	✓	✓
Use of Smart Sensor	✓	✓
Daylight Control	✓	✓
Multiple managers/users per project	✓	✓
Show actual occupancy	✓	✓
Show actual temperature/humidity	✓	✓
Multiple installers per project	✓	✓
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	✗	✓



Smart Connect Box

- NEW: Human Centric Lighting enabled (in combination with TW luminaires)
- NEW: Wireless communication based on future-proof, standardized Bluetooth SIG Mesh protocol
- NEW: DALI2 certified
- Monitor energy consumption per building, floor or room
- Remote control of your Smart Lighting project
- Can also be used as a DALI2 controller, 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
- Compatible with existing OPPLE Smart Lighting BLE2 luminaires and BLE2 accessories



Specifications

Item Code	Item Description
821011002600	LEDSmart-BLE2-DALI-Connect-Box

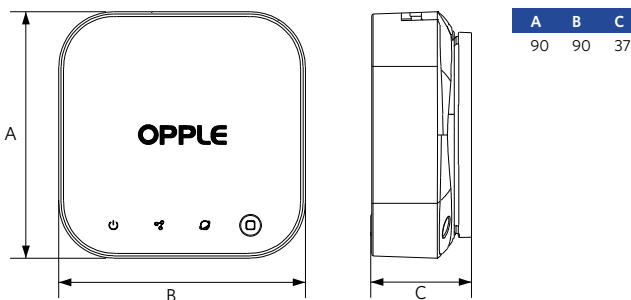
Technical Specifications	
Power consumption	Max 14W
Finishing	Grey
Protection Class	II
Communication	Wired: Ethernet (RJ45), DALI2 (DT8), ModBus, RS-485 Wireless: Bluetooth® Low Energy Mesh (BLE2)
Integrated DALI power supply	Yes

Electrical Supply	
Nominal voltage	220-240 V AC
Frequency	50/60 Hz
Output voltage	16 V DC
Output current	Max 0.2A

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



Dimensional drawing (mm)



821011002600 - LEDSmart-BLE2-DALI-Connect-Box



Smart Sensor (Passive Infrared)

- NEW: Wireless communication based on future-proof, standardized Bluetooth SIG Mesh protocol
- 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 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 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	1min-60min
Daylight balance	Yes
Temperature sensor	Yes
Humidity sensor	Yes

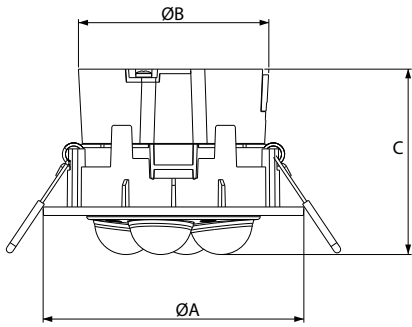
Electrical Supply	
Power consumption	1.2W
Nominal voltage	220-240 V AC
Frequency	50/60 Hz

Mechanical Properties	
Material housing	PC

Ambient conditions	
Operating Temperature	-25-+30°C

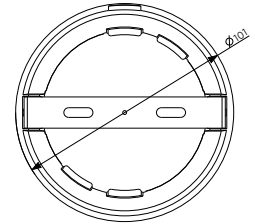
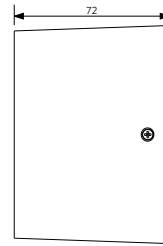


Dimensional drawing (mm)



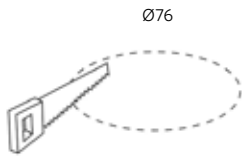
821006002000 - LEDSmart-BLE2-Rc-PIR-Sensor

A	B	C
92	67	65



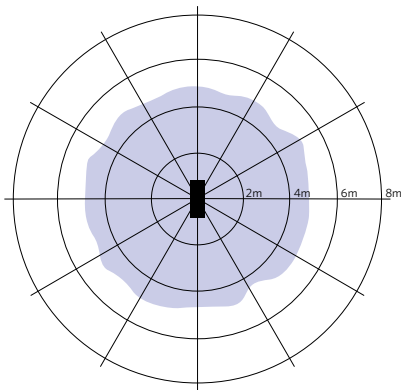
560098000600 - LEDSmart-Sensor Surface-Module-WH

Installation opening drawing (mm)



821006002000 - LEDSmart-BLE2-Rc-PIR-Sensor

Detection range



Installation - Low Ceiling
Suggested installation height 2-3m



Smart Sensor (Microwave)

- NEW: Wireless communication based on future-proof, standardized Bluetooth SIG Mesh protocol
- 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 standardized Bluetooth® Low Energy (BLE) SIG Mesh protocol



Specifications

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

Accessories



IP20

560098000600
LEDSmart-Sensor Surface-Module-WH



IP65

IK07

560006000900
LEDSmart-Sensor IP65-Base-Module
Excluding sensor



IP65

IK07

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 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	1min-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

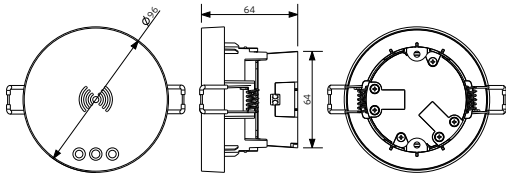
Mechanical Properties	
Material housing	PC

Ambient conditions	
Operating Temperature	-30~+55°C

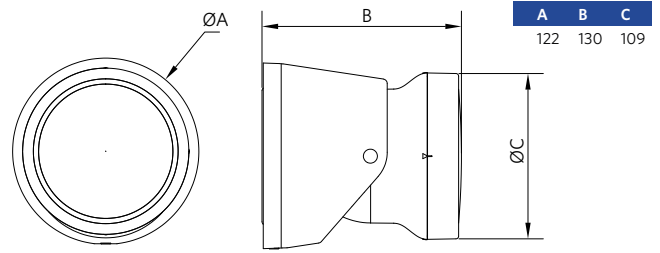


* Only in combination with IP65 accessory modules

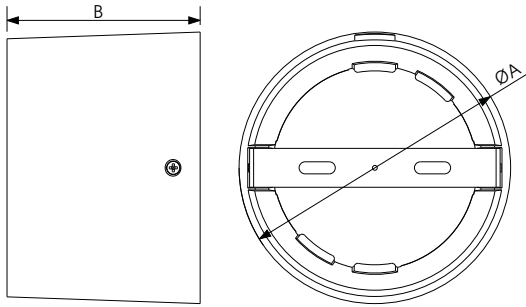
Dimensional drawing (mm)



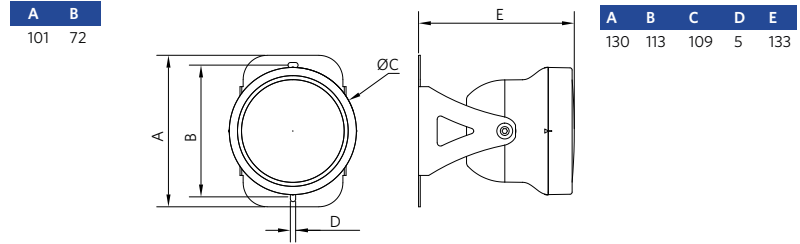
821006001800 - LEDSmart-BLE2-Rc-MW-Sensor



560006000900 - LEDSmart-Sensor IP65-Base-Module

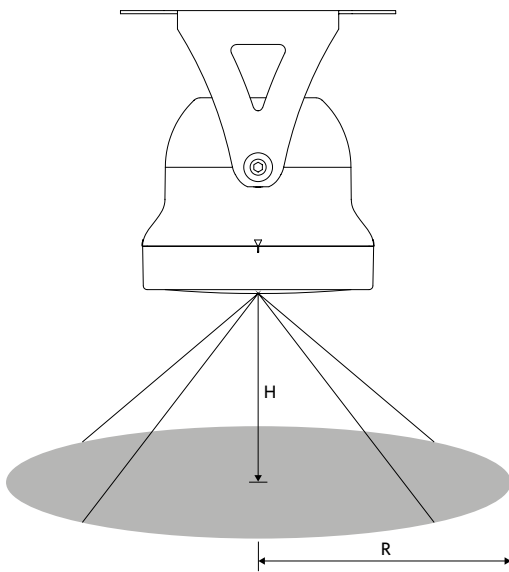


560098000600 - LEDSmart-Sensor Surface-Module-WH

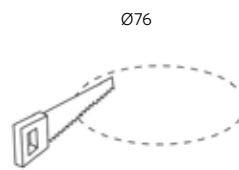


560006001000 - LEDSmart-Sensor IP65-Module

Detection range

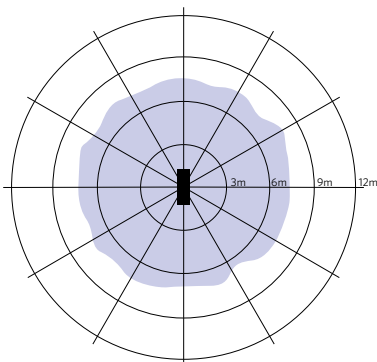


Installation opening drawing (mm)

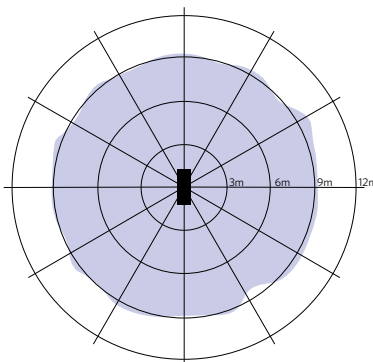


821006001800 - LEDSmart-BLE2-Rc-MW-Sensor

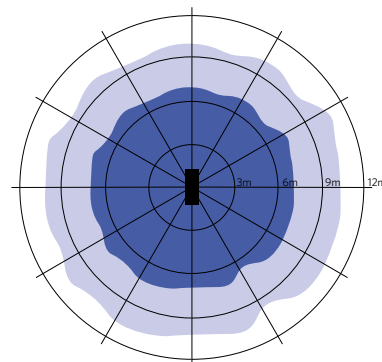
Recommended Height (m)	Sensitivity Setting	Detection Radius (m)
3	Low	7
8	Middle	9
9	High	10
12	High	7



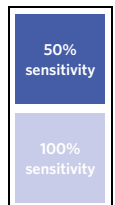
Installation - Low Ceiling
Suggested installation height 3m



Installation - Medium Ceiling
Suggested installation height 8m



Installation - High Ceiling
Suggested installation height 9-12m





Smart Switch

- NEW: Wireless communication based on future-proof, standardized Bluetooth SIG Mesh protocol
- Completely wireless operating switch for use in OPPLE Smart Lighting System
- Simple on/off switching and dimming of the Smart Lighting luminaires
- Equipped with 4 extra button activate created light scenes
- Compatible with OPPLE BLE2 Smart Sensors
- Very easy to set up with the OPPLE Smart Lighting App, Smart Connect Box or Smart Web Interface
- Complete wireless communication via 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 Mesh (BLE2)

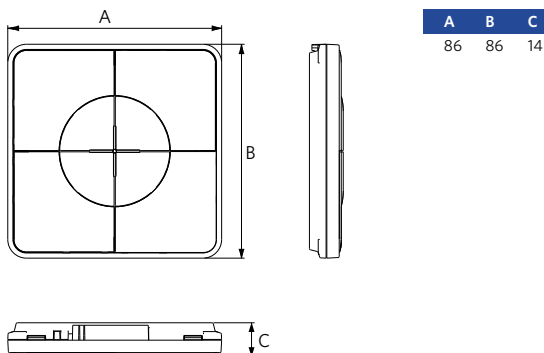
Electrical Supply	
Nominal voltage	3
Type of battery (incl.)	CR2430
Min. lifespan battery	2 years



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

- NEW: Wireless communication based on future-proof, standardized Bluetooth SIG Mesh protocol
- 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 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)

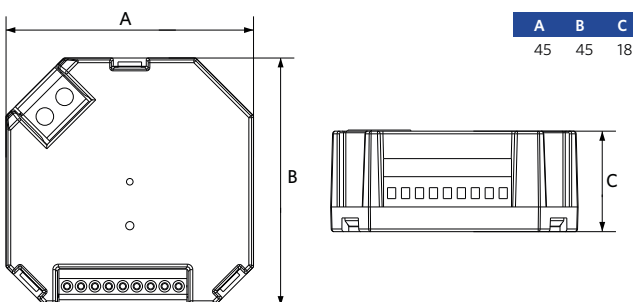
Electrical Supply	
Power Consumption	2W
Nominal voltage	220-240 V AC
Frequency	50 Hz
Inputs	8CH
Input type	Short + Long press
Connection cable mains	1.0-2.5mm ²
Input cable	0,5-1mm ²



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

- NEW: Wireless communication based on future-proof, standardized Bluetooth SIG Mesh protocol
- NEW: Improved to 1000W maximum load
- Smart Relay for use in the OPPLE Smart Lighting System
- 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, Smart Connect Box or Smart Web Interface
- Including built-in energy meter, to read out in the app or web user interface
- Complete wireless communication via 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	Oppl Bluetooth® Low Energy Mesh (BLE2)
Max. switching capacity	1000 W LED
Max. load	1000 W

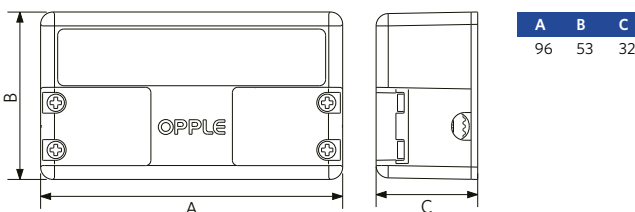
Electrical Supply	
Nominal voltage	220-240 V AC
Max. inrush or surge current I _p (20 ms)	120 A
Frequency	50/60 Hz
Connection cable	0.75-2.5mm ²



Mechanical Properties	
Material housing	PC

Ambient conditions	
Application Temperature	+25°C

Dimensional drawing (mm)



LEDSmart-BLE2-Relay-1000W



Smart Relay DIM

- NEW: Wireless communication based on future-proof, standardized Bluetooth SIG Mesh protocol
- 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 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	Oppl Bluetooth® Low Energy Mesh (BLE2)
Dimming method	Triac
Max. switching capacity	250 W LED
Max. load	250 W

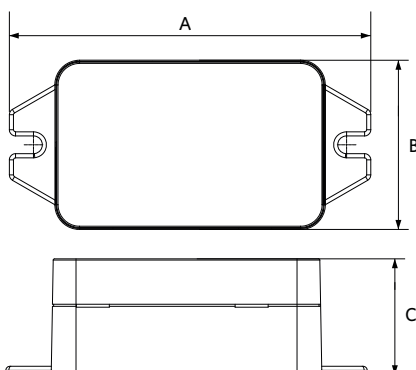
Electrical Supply	
Nominal voltage	220-240 V AC
Frequency	50 Hz
Connection cable	0.75mm ²
Cable Length	12 cm



Mechanical Properties	
Material housing	PC

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

Dimensional drawing (mm)



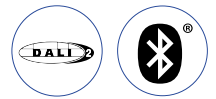
A	B	C
88	42	28

821017003600 - LEDsmart-BLE2-Relay-250W-DIM



Smart DALI Converter

- NEW: Wireless communication based on future-proof, standardized Bluetooth SIG Mesh protocol
- 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 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 Mesh (BLE2)
Dimming method	DALI Broadcast (DT8)
Integrated DALI power supply	Yes

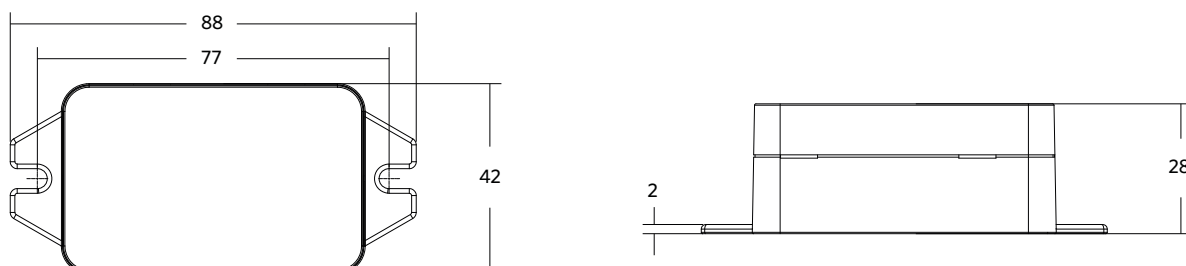
Electrical Supply	
Nominal voltage	220-240 V AC
Frequency	50 Hz
Connection cable	0.75mm ²
Cable Length	12 cm



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

- NEW: Wireless communication based on future-proof, standardized Bluetooth SIG Mesh protocol
- 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 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 Mesh (BLE2)
Dimming method	1-10V

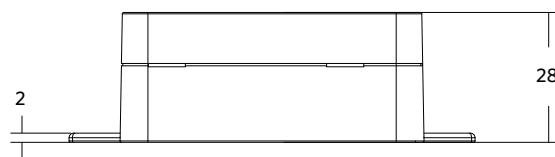
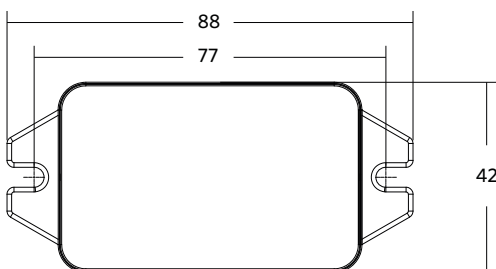
Electrical Supply	
Nominal voltage	220-240 V AC
Frequency	50 Hz
Connection cable	0.75mm ²
Cable Length	12 cm



Mechanical Properties	
Material housing	PC

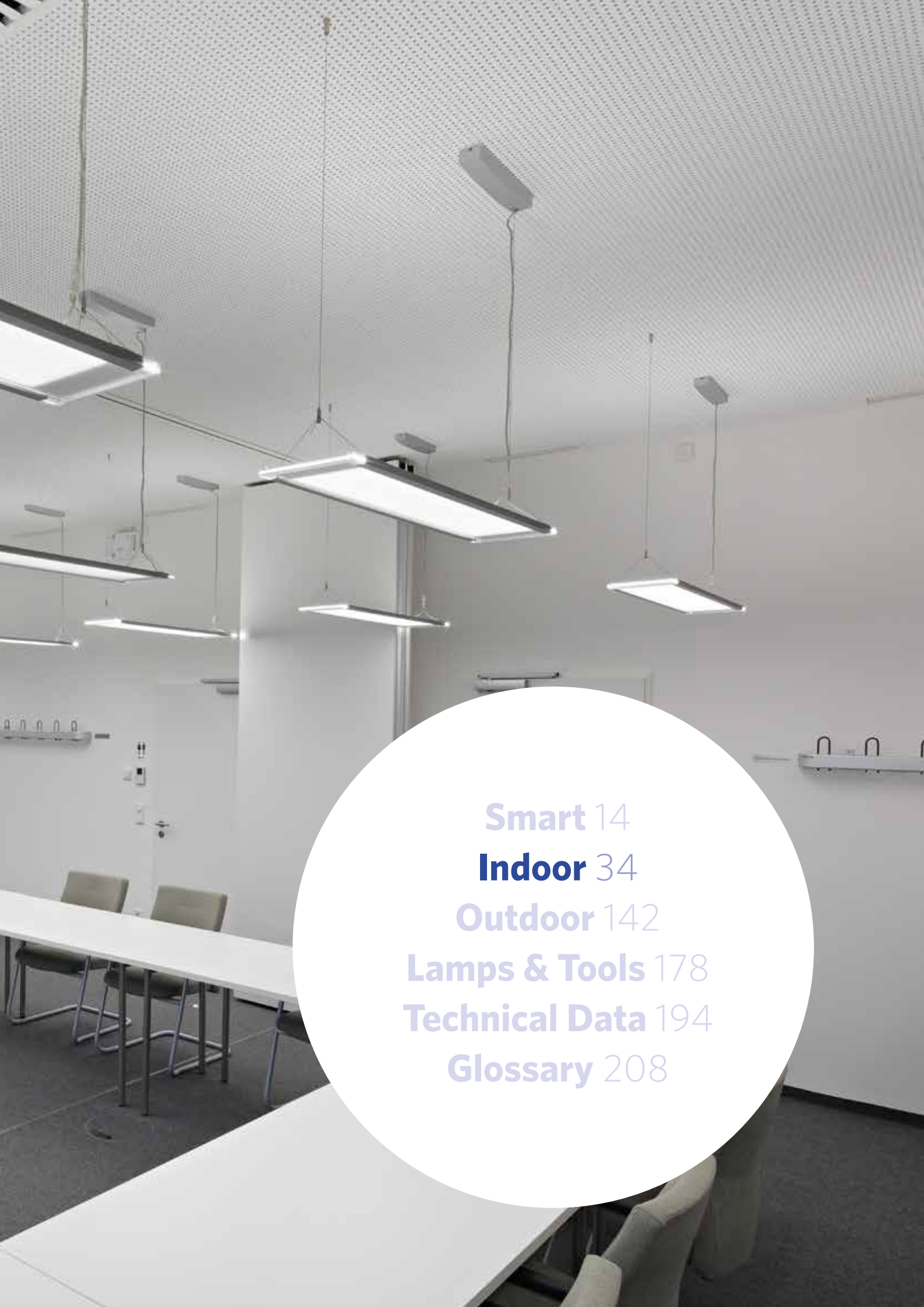
Ambient conditions	
Application Temperature	+25°C
Operating Temperature	-20-+45°C

Dimensional drawing (mm)



821017003000 - LEDSmart-BLE2-10V-Converter





Smart 14

Indoor 34

Outdoor 142

Lamps & Tools 178

Technical Data 194

Glossary 208



Free floor standing luminaire Falcon

- 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

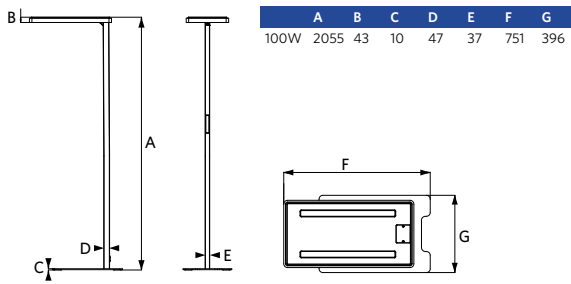
Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
Smart							
523003011100	LED Falcon-P 100W-BLE2-840	3x PL-L 55W	100	12500	125	4000	19

Technical Specifications	
Lifetime (L70)	100,000 h
Lifetime (L80)	70,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	BLE2 / Touch Dim
Sensor type	Motion + Daylight detection (MD)
Sensor technology	Microwave (MW)
Beam angle	110° up (70%) / 120° down (30%)
Finishing	White RAL9003
RAL	O 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

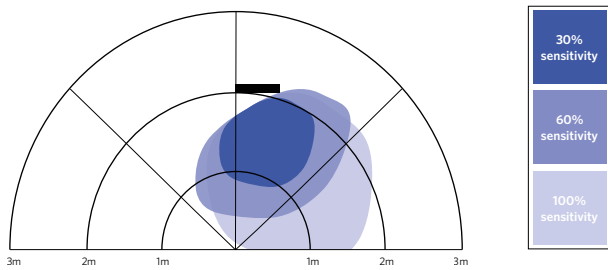
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	No
230V Cable length	3 m
Mechanical Properties	
Optical material	PMMA
Cover material	Polycarbonate
Ambient Conditions	
Operating temperature	-10 - 45°C
Application temperature	25°C
Storage environment	-25 - 50°C



Dimensional Drawing (mm)



Motion Sensors



Installation - Wall mounted



Panel Grille

- Design low glare LED panel
- Direct replacement for existing T5 and T8 fixtures
- Comfortable lighting for study and work environment (UGR < 16)
- System efficacy up to 130 lm/W



Specifications

Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
DALI2							
140046181	LEDPanelRc-G Sq598-33W-DALI-3000-WH-CT	TL 4x18W	33	4200	127	3000	4.85
140046182	LEDPanelRc-G Sq598-33W-DALI-4000-WH-CT	TL 4x18W	33	4300	130	4000	4.85
140046185	LEDPanelRc-G Re298-33W-DALI-3000-WH-CT	TL 2x36W	33	4200	127	3000	5.33
140046186	LEDPanelRc-G Re298-33W-DALI-4000-WH-CT	TL 2x36W	33	4300	130	4000	5.33
Smart							
542003131100	LEDPanelRc-G Sq598-33W-BLE2-3000-WH-CT	TL 4x18W	33	4200	127	3000	4.85
542003131200	LEDPanelRc-G Sq598-33W-BLE2-4000-WH-CT	TL 4x18W	33	4300	130	4000	4.85
542003131300	LEDPanelRc-G Re298-33W-BLE2-3000-WH-CT	TL 2x36W	33	4200	127	3000	5.33
542003131400	LEDPanelRc-G Re298-33W-BLE2-4000-WH-CT	TL 2x36W	33	4300	130	4000	5.33

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

Accessories



140044054
LEDPanelRc-G Sq598-Sur-
face Module-CT



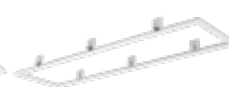
140044055
LEDPanelRc-G Re298-Sur-
face Module-CT



140060852
LEDFixture-Ceiling-Ca-
ble-Kit-0.5m



542098009600
LEDPanelRc Sq600-Frame-
WH



542098009800
LEDPanelRc Re300-Frame-
WH

Technical Specifications	
Lifetime (L70)	70,000 h
Lifetime (L80)	50,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	3
Dimmability	DALI / BLE2
Beam angle	90°
Finishing	White RAL9003
RAL	○ 9003
Colour rendering index (CRI)	> 80
UGR	≤ 16
Degree of 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)	< 1.0%
Power factor	> 0.9

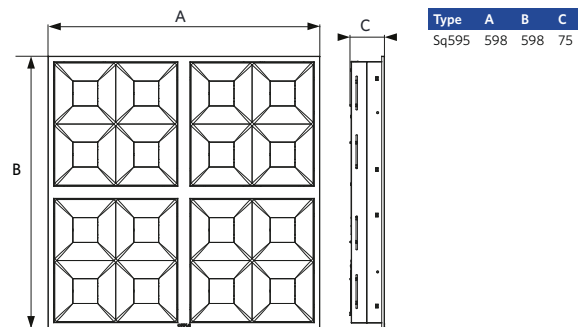
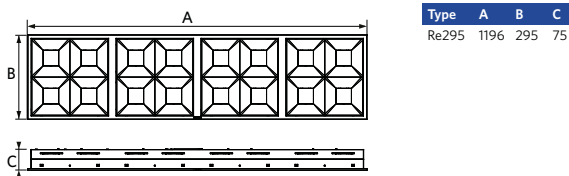
Electrical connection	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Aluminium
Optical material	Polycarbonate

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



Dimensional Drawing (mm)





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)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
On-Off							
542003016800	LEDPanelRc-Mo Sq595-35W-3000-WH-U19	CFL 1x55W	35	4025	115	3000	4.18
542003016900	LEDPanelRc-Mo Sq595-35W-4000-WH-U19	CFL 1x55W	35	4200	120	4000	4.18
DALI2							
542003015200	LEDPanelRc-Mo Sq595-35W-DALI-3000-WH-U19	CFL 1x55W	35	4025	115	3000	4.22
542003015300	LEDPanelRc-Mo Sq595-35W-DALI-4000-WH-U19	CFL 1x55W	35	4200	120	4000	4.22
Smart							
542004092300	LEDPanelRc-Mo Sq595-35W-BLE2-3000-WH-U19	CFL 1x55W	35	4025	115	3000	4.23
542004092400	LEDPanelRc-Mo Sq595-35W-BLE2-4000-WH-U19	CFL 1x55W	35	4200	120	4000	4.23
1-10V							
542003016000	LEDPanelRc-Mo Sq595-35W-10V-3000-WH-U19	CFL 1x55W	35	4025	115	3000	4.22
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



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



140060852
LEDFixture-Ceiling-Cable-Kit-0.5m



542098000800
LEDPanelRC-SI U19 EM-kit 1h

542098000900
LEDPanelRC-SI U19 EM-kit 3h



542098009600
LEDPanelRc 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	○ 9003
Colour rendering index (CRI)	> 80
UGR	≤ 19
Degree of 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

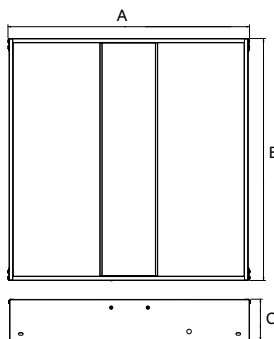
Housing material	Steel
Optical material	PMMA
Cover material	Polycarbonate

Ambient Conditions

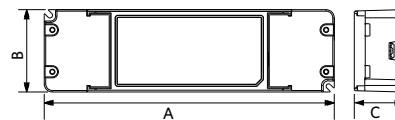
Operating temperature	-10 ~ 40°C
Application temperature	25°C
Storage environment	-25 ~ 50°C



Dimensional Drawing (mm)



A	B	C
Sq595	595	100



A	B	C	
On/Off	160	56	24
Dim	180	51	31



Panel Lugano

- Powerful low glare LED panel, ideal for clutter-free ceilings
- 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)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	CRI	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

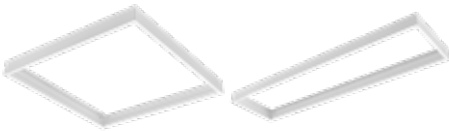


542098000800
LEDPanelRC-SI U19 EM-kit 1h



542098009600
LEDPanelRc Sq600-Frame-WH

542098009800
LEDPanelRc Re300-Frame-WH



542098017600
LEDPanelRc2 Sq600-Surface-Kit-WH

542098017700
LEDPanelRc2 Re300-Surface-Kit-WH



542098033000
LEDPanelRc-S-B2 Re298 Mounting-Springs

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	75°
Finishing	White RAL9003
RAL	○ 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

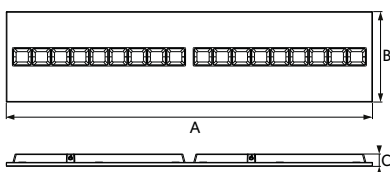
Electrical connection	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix
	Connection Specifications

Mechanical Properties	
Housing material	Steel
Optical material	Polycarbonate

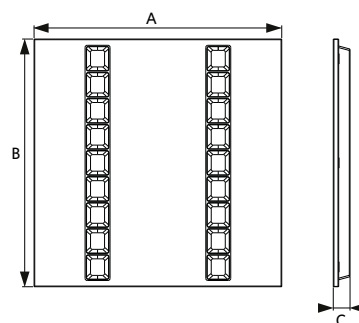
Ambient Conditions	
Operating temperature	-10 ~ 45°C
Application temperature	25°C
Storage environment	-25 ~ 50°C



Dimensional Drawing (mm)



A B C
Re295 1195 295 40



A B C
Sq595 595 595 40



Panel Torino

- Design LED panel
- Suitable for office applications (UGR<19)
- Standard equipped with CCT-switch and CRI90
- 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)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	CRI	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

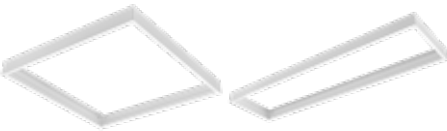


542098000800
LEDPanelRC-SI U19 EM-kit 1h



542098009600
LEDPanelRc Sq600-Frame-WH

542098009800
LEDPanelRc Re300-Frame-WH



542098017600
LEDPanelRc2 Sq600-Surface-Kit-WH

542098017700
LEDPanelRc2 Re300-Surface-Kit-WH



542098033000
LEDPanelRc-S-B2 Re298 Mounting-Springs

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	○ 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

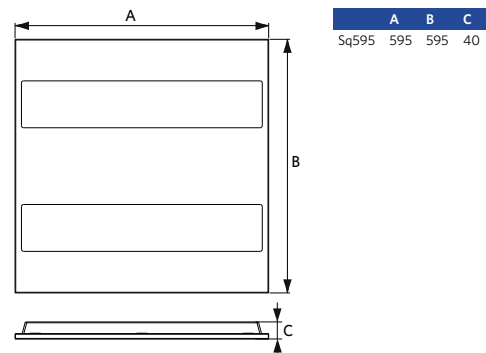
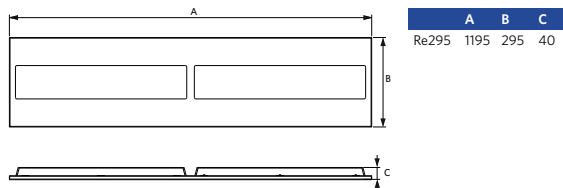
Electrical connection	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix
	Connection Specifications

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)





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



Specifications

Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	CRI	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.

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	○ 9003
UGR	≤ 19
Degree of 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

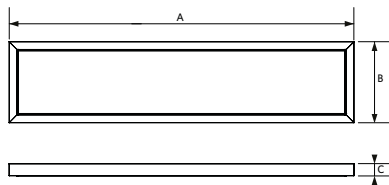
Housing material	Aluminium
Optical material	Polycarbonate

Ambient Conditions

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



Dimensional Drawing (mm)



	A	B	C
L12	1274	370	55
L15	1574	370	55



Slim Panel Performer UGR19 G6

- NEW: Tunable White DALI DT8 version available
- High quality LED Slim Panel, suitable for offices (UGR19)
- Tunable white Smart version available (2700-6500K)
- Improved efficacy up to 140lm/W, with output up to 4760lm
- Standard IP54 (front side)
- Recessed, suspended and surface mounting possible
- DALI2 driver compatible with 230V push dimming



Specifications

Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	CRI	Weight (kg/pc)
On-Off								
542003108500	LEDPanelS-P6 Sq595-30W-830-U19	TL 4x18W	30	3900	130	3000	> 80	1.9
542003108600	LEDPanelS-P6 Sq595-30W-840-U19	TL 4x18W	30	4200	140	4000	> 80	1.9
542003108700	LEDPanelS-P6 Re295-30W-830-U19	TL 2x36W	30	3900	130	3000	> 80	1.9
542003108800	LEDPanelS-P6 Re295-30W-840-U19	TL 2x36W	30	4200	140	4000	> 80	1.9
542003111300	LEDPanelS-P6 Sq595-34W-830-U19	TL 4x18W	34	4420	130	3000	> 80	1.9
542003111400	LEDPanelS-P6 Sq595-34W-840-U19	TL 4x18W	34	4760	140	4000	> 80	1.9
542003113400	LEDPanelS-P6 Sq595-34W-940-U19	TL 4x18W	34	4080	120	4000	> 90	1.9
542003111500	LEDPanelS-P6 Re295-34W-830-U19	TL 2x36W	34	4420	130	3000	> 80	1.9
542003111600	LEDPanelS-P6 Re295-34W-840-U19	TL 2x36W	34	4760	140	4000	> 80	1.9
542003113500	LEDPanelS-P6 Re295-34W-940-U19	TL 2x36W	34	4080	120	4000	> 90	1.9
DALI2								
542003109200	LEDPanelS-P6 Sq595-30W-DALI-830-U19	TL 4x18W	30	3900	130	3000	> 80	2
542003109300	LEDPanelS-P6 Sq595-30W-DALI-840-U19	TL 4x18W	30	4200	140	4000	> 80	2
542003109400	LEDPanelS-P6 Re295-30W-DALI-830-U19	TL 2x36W	30	3900	130	3000	> 80	2
542003109500	LEDPanelS-P6 Re295-30W-DALI-840-U19	TL 2x36W	30	4200	140	4000	> 80	2
542003112000	LEDPanelS-P6 Sq595-34W-DALI-830-U19	TL 4x18W	34	4420	130	3000	> 80	2
542003112100	LEDPanelS-P6 Sq595-34W-DALI-840-U19	TL 4x18W	34	4760	140	4000	> 80	2
542003113700	LEDPanelS-P6 Sq595-34W-DALI-940-U19	TL 4x18W	34	4080	120	4000	> 90	2
542003112200	LEDPanelS-P6 Re295-34W-DALI-830-U19	TL 2x36W	34	4420	130	3000	> 80	2
542003112300	LEDPanelS-P6 Re295-34W-DALI-840-U19	TL 2x36W	34	4760	140	4000	> 80	2
542003113800	LEDPanelS-P6 Re295-34W-DALI-940-U19	TL 2x36W	34	4080	120	4000	> 90	2
Tunable White/DALI2								
542003107900	LEDPanelS-P6 Sq595-34W-DALI-TW-U19	TL 4x18W	34	4760	140	2700 - 6500	> 80	2
542003108000	LEDPanelS-P6 Re295-34W-DALI-TW-U19	TL 4x18W	34	4760	140	2700 - 6500	> 80	2
Smart								
542003109900	LEDPanelS-P6 Sq595-30W-BLE2-830-U19	TL 4x18W	30	3900	130	3000	> 80	2

Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	CRI	Weight (kg/pc)
542003110000	LEDPanelS-P6 Sq595-30W-BLE2-840-U19	TL 4x18W	30	4200	140	4000	> 80	2
542003110100	LEDPanelS-P6 Re295-30W-BLE2-830-U19	TL 2x36W	30	3900	130	3000	> 80	2
542003110200	LEDPanelS-P6 Re295-30W-BLE2-840-U19	TL 2x36W	30	4200	140	4000	> 80	2
542003112700	LEDPanelS-P6 Sq595-34W-BLE2-830-U19	TL 4x18W	34	4420	130	3000	> 80	2
542003112800	LEDPanelS-P6 Sq595-34W-BLE2-840-U19	TL 4x18W	34	4760	140	4000	> 80	2
542003114000	LEDPanelS-P6 Sq595-34W-BLE2-940-U19	TL 4x18W	34	4080	120	4000	> 90	2
542003112900	LEDPanelS-P6 Re295-34W-BLE2-830-U19	TL 2x36W	34	4420	130	3000	> 80	2
542003113000	LEDPanelS-P6 Re295-34W-BLE2-840-U19	TL 2x36W	34	4760	140	4000	> 80	2
542003114100	LEDPanelS-P6 Re295-34W-BLE2-940-U19	TL 2x36W	34	4080	120	4000	> 90	2
Tuneable White/Smart								
542003108200	LEDPanelS-P6 Sq595-34W-BLE2-TW-U19	TL 4x18W	34	4760	140	2700 - 6500	> 80	2
542003108300	LEDPanelS-P6 Re295-34W-BLE2-TW-U19	TL 2x36W	34	4760	140	2700 - 6500	> 80	2
1-10V								
542003110600	LEDPanelS-P6 Sq595-30W-10V-830-U19	TL 4x18W	30	3900	130	3000	> 80	2
542003110700	LEDPanelS-P6 Sq595-30W-10V-840-U19	TL 4x18W	30	4200	140	4000	> 80	2
542003110800	LEDPanelS-P6 Re295-30W-10V-830-U19	TL 2x36W	30	3900	130	3000	> 80	2
542003110900	LEDPanelS-P6 Re295-30W-10V-840-U19	TL 2x36W	30	4200	140	4000	> 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



542003021800
LEDPanelRc-S-B2 Mounting-Springs



140060852
LEDFixture-Ceiling-Cable-Kit-0.5m



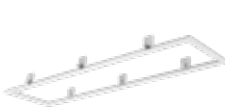
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LEDPanelRC-SI U19 EM-kit 1h



542098045500
LEDPanelS-P Suspension-Kit-G6



542098009600
LEDPanelRc Sq600-Frame-WH



542098009800
LEDPanelRc Re300-Frame-WH



542098017600
LEDPanelRc2 Sq600-Surface-Kit-WH



542098017700
LEDPanelRc2 Re300-Surface-Kit-WH



542098030700
Junction-Box-WH

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	○ 9003
UGR	≤ 19
Ingress protection front side (IP)	IP54
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)	< 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	1 m

Mechanical Properties

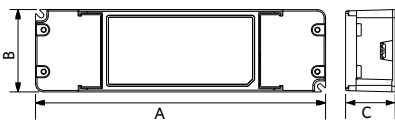
Housing material	Aluminium
Optical material	PMMA
Cover material	Polycarbonate

Ambient Conditions

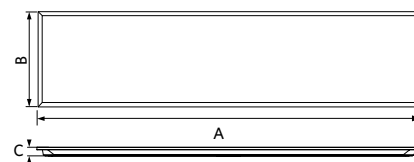
Operating temperature	-10 - 45°C
Application temperature	25°C
Storage environment	-20 - 50°C



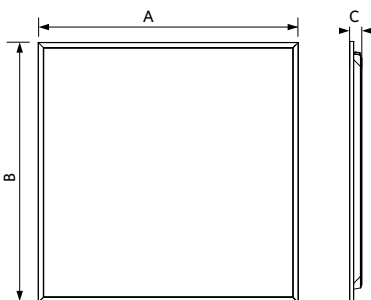
Dimensional Drawing (mm)



	A	B	C
On/Off	160	56	24
Dim	180	51	31



	A	B	C
Re295	1195	295	25



	A	B	C
Sq595	595	595	25
Sq622	620	620	25



SMART

INDOOR

OUTDOOR

LAMPS & TOOLS

TECHNICAL DATA

GLOSSARY



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)	Max. power (W)	Lumen	Efficacy (lm/W)	UGR	CCT (K)	Beam angle	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



140060852
LEDFixture-Ceiling-Cable-Kit-0.5m

542098000800
LEDPanelRC-SI U19 EM-kit 1h

542003021700
LEDPanelRc-S-B2 Suspension-Kit

542003021800
LEDPanelRc-S-B2 Mounting-Springs

542098009600
LEDPanelRc Sq600-Frame-WH

542098009800
LEDPanelRc Re300-Frame-WH

542098017600
LEDPanelRc2 Sq600-Surface-Kit-WH

542098017700
LEDPanelRc2 Re300-Surface-Kit-WH

542098030700
Junction-Box-WH

542098033000
LEDPanelRc-S-B2 Re298 Mounting-Springs

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	○ 9003
Colour rendering index (CRI)	> 80
Degree of 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

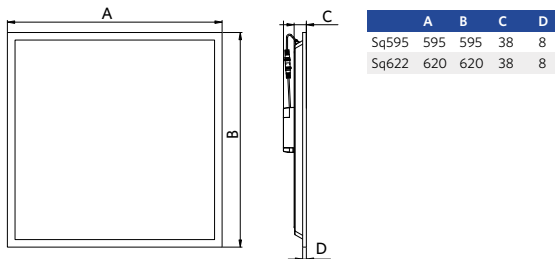
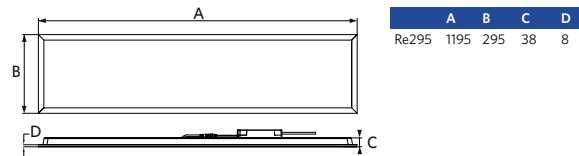
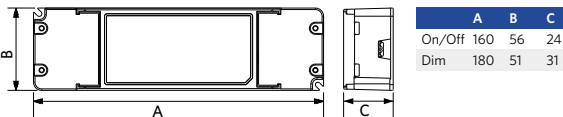
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications
230V Cable length	1 m

Mechanical Properties	
Housing material	Aluminium

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



Dimensional Drawing (mm)





Slim Panel Basic G3

- Cost effective LED Slim Panel, available in UGR22 and UGR19
- High efficacy up to 120 lm/W
- Suitable for recessed and suspended applications
- Recessed ceiling frame and surface module kit available as accessory
- Replacement for conventional 4x18W or 2x36W luminaire



Specifications

Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	Efficacy (lm/W)	UGR	CCT (K)	Beam angle	Weight (kg/pc)	
On-Off										
542003096300	LEDPanelS-B3 Sq595-32W-830-U19	TL 4x18W	32	3630	115	≤ 19	3000	90°	1.91	
542003096400	LEDPanelS-B3 Sq595-32W-840-U19	TL 4x18W	32	3840	120	≤ 19	4000	90°	1.91	
542003096100	LEDPanelS-B3 Sq595-32W-830	TL 4x18W	32	3630	115	≤ 22	3000	120°	1.51	
542003096200	LEDPanelS-B3 Sq595-32W-840	TL 4x18W	32	3840	120	≤ 22	4000	120°	1.51	
542003097100	LEDPanelS-B3 Re295-32W-830-U19	TL 2x36W	32	3630	115	≤ 19	3000	90°	1.82	
542003097200	LEDPanelS-B3 Re295-32W-840-U19	TL 2x36W	32	3840	120	≤ 19	4000	90°	1.82	
542003096900	LEDPanelS-B3 Re295-32W-830	TL 2x36W	32	3630	115	≤ 22	3000	120°	1.43	
542003097000	LEDPanelS-B3 Re295-32W-840	TL 2x36W	32	3840	120	≤ 22	4000	120°	1.43	

Accessories

					
140060852 LEDFixture-Ceiling-Cable-Kit-0.5m	542098000800 LEDPanelRC-SI U19 EM-kit 1h	542003021700 LEDPanelRc-S-B2 Suspension-Kit	542003021800 LEDPanelRc-S-B2 Mounting-Springs	542098009600 LEDPanelRc Sq600-Frame-WH	542098009800 LEDPanelRc Re300-Frame-WH
					
542098017600 LEDPanelRc2 Sq600-Surface-Kit-WH	542098017700 LEDPanelRc2 Re300-Surface-Kit-WH	542098030700 Junction-Box-WH	542098033000 LEDPanelRc-S-B2 Re298 Mounting-Springs		

Technical Specifications	
Lifetime (L70)	50,000 h
Lifetime (L80)	30,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	On-Off
Finishing	White RAL9003
RAL	○ 9003
Colour rendering index (CRI)	> 80
Degree of 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

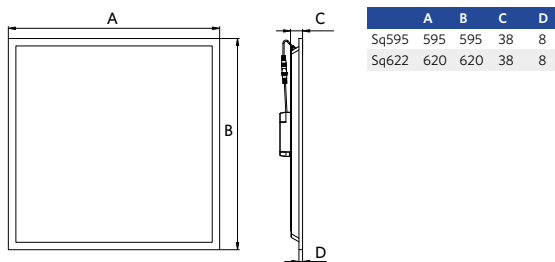
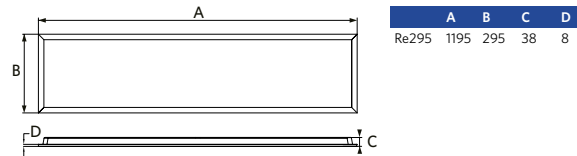
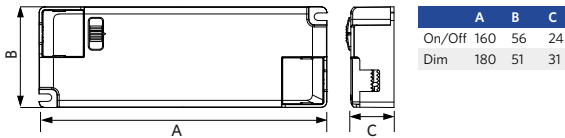
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications
230V Cable length	0.3 m

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)





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 adonized black or matt white
- Available in DALI and Smart (BLE2)



Specifications

Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	Efficacy (lm/W)	UGR	CCT (K)	RAL	Weight (kg/pc)
Tuneable 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
Tuneable 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-Connecti-
on-Kit

529098031100
LEDTallinn-P-Magnet-End-
cap

529098031000
LEDTallinn-P-Magnet-Hub
cap

Technical Specifications

Lifetime (L70)	70,000 h
Lifetime (L80)	50,000 h
On-/Off-cycles	100,000
Dimmability	DALI2 / BLE2
Finishing	White RAL9003 / Black RAL 9004
Colour rendering index (CRI)	> 90
Degree of 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

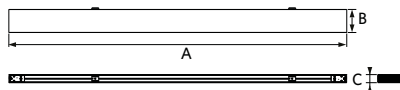
Housing material	Aluminium
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Ambient Conditions

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



Dimensional Drawing (mm)



	A	B	C
L12	1175	100	35
L15	1465	100	35



Lima

- Stylish linear luminaire with high quality aluminum housing, suitable for surface mounting and suspended use
- Suspension kit including transparent cable as accessory
- Connection kit accessory to create continuous lines available



Specifications

Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	Efficacy (lm/W)	UGR	CCT (K)	Weight (kg/pc)
DALI								
542005000500	LEDLima L12-15W-3000-U19-DALI	TL 1x28W	15	1725	115	≤ 19	3000	2.55
542005000600	LEDLima L12-15W-4000-U19-DALI	TL 1x28W	15	1800	120	≤ 19	4000	2.55
542005000700	LEDLima L15-18W-3000-U19-DALI	TL 1x35W	18	2070	115	≤ 19	3000	3.08
542005000800	LEDLima L15-18W-4000-U19-DALI	TL 1x35W	18	2160	120	≤ 19	4000	3.08
542005001300	LEDLima L12-30W-3000-DALI	TL 1x54W	30	3300	110	≤ 22	3000	2.55
542005001400	LEDLima L12-30W-4000-DALI	TL 1x54W	30	3450	115	≤ 22	4000	2.55
542005001500	LEDLima L15-36W-3000-DALI	TL 1x80W	36	3960	110	≤ 22	3000	3.08
542005001600	LEDLima L15-36W-4000-DALI	TL 1x80W	36	4140	115	≤ 22	4000	3.08
Smart								
542003131500	LEDLima L12-15W-3000-U19-BLE2	TL 1x28W	15	1725	115	≤ 19	3000	2.55
542003131600	LEDLima L12-15W-4000-U19-BLE2	TL 1x28W	15	1800	120	≤ 19	4000	2.55
542003131700	LEDLima L15-18W-3000-U19-BLE2	TL 1x35W	18	2070	115	≤ 19	3000	3.08
542003131800	LEDLima L15-18W-4000-U19-BLE2	TL 1x35W	18	2160	120	≤ 19	4000	3.08
542003131900	LEDLima L12-30W-3000-BLE2	TL 1x54W	30	3300	110	≤ 22	3000	2.55
542003132000	LEDLima L12-30W-4000-BLE2	TL 1x54W	30	3450	115	≤ 22	4000	2.55
542003132100	LEDLima L15-36W-3000-BLE2	TL 1x80W	36	3960	110	≤ 22	3000	3.08
542003132200	LEDLima L15-36W-4000-BLE2	TL 1x80W	36	4140	115	≤ 22	4000	3.08
Emergency kit 1 hour/DALI								
549004002400	LEDLima L12-15W-3000-U19-DALI-EM1	TL 1x28W	15	1725	115	≤ 19	3000	2.85
549004002500	LEDLima L12-15W-4000-U19-DALI-EM1	TL 1x28W	15	1800	120	≤ 19	4000	2.85
549004002600	LEDLima L15-18W-3000-U19-DALI-EM1	TL 1x35W	18	2070	115	≤ 19	3000	3.38
549004002700	LEDLima L15-18W-4000-U19-DALI-EM1	TL 1x35W	18	2160	120	≤ 19	4000	3.38
549004002800	LEDLima L12-30W-3000-DALI-EM1	TL 1x54W	30	3300	110	≤ 22	3000	2.85
549004002900	LEDLima L12-30W-4000-DALI-EM1	TL 1x54W	30	3450	115	≤ 22	4000	2.85
549004003000	LEDLima L15-36W-3000-DALI-EM1	TL 1x80W	36	3960	110	≤ 22	3000	3.38
549004003100	LEDLima L15-36W-4000-DALI-EM1	TL 1x80W	36	4140	115	≤ 22	4000	3.38
Emergency kit 3 hour/DALI								
549004003200	LEDLima L12-15W-3000-U19-DALI-EM3	TL 1x28W	15	1725	115	≤ 19	3000	2.95
549004003300	LEDLima L12-15W-4000-U19-DALI-EM3	TL 1x28W	15	1800	120	≤ 19	4000	2.95
549004003400	LEDLima L15-18W-3000-U19-DALI-EM3	TL 1x35W	18	2070	115	≤ 19	3000	3.48

Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	Efficacy (lm/W)	UGR	CCT (K)	Weight (kg/pc)
549004003500	LEDLima L15-18W-4000-U19-DALI-EM3	TL 1x35W	18	2160	120	≤ 19	4000	3.48
549004003600	LEDLima L12-30W-3000-DALI-EM3	TL 1x54W	30	3300	110	≤ 22	3000	2.95
549004003700	LEDLima L12-30W-4000-DALI-EM3	TL 1x54W	30	3450	115	≤ 22	4000	2.95
549004003800	LEDLima L15-36W-3000-DALI-EM3	TL 1x80W	36	3960	110	≤ 22	3000	3.48
549004003900	LEDLima L15-36W-4000-DALI-EM3	TL 1x80W	36	4140	115	≤ 22	4000	3.48

Accessories



599006008900
LEDLima Connection-Kit

599006009000
LEDLima Suspension-Kit

Suspension length: 1.5m.

Technical Specifications	
Lifetime (L70)	70,000 h
Lifetime (L80)	50,000 h
On-/Off-cycles	100,000
Dimmability	DALI / BLE2
Beam angle	70°
Finishing	Aluminum
RAL	○ 9003
Colour rendering index (CRI)	> 80
Degree of 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)	< 0.5%
Power factor	> 0.9

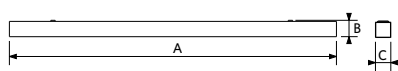
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

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)



	A	B	C
L12	1200	75	70
L15	1500	75	70



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	CCT (K)	Weight (kg/pc)
DALI2					
542004095200	LEDRiga-P Re295-34/40W-DALI-830/840	34 - 40	4420 - 5200	3K/3.5K/4K	3.6
Smart					
542004095300	LEDRiga-P Re295-34/40W-BLE2-830/840	34 - 40	4420 - 5200	3K/3.5K/4K	3.5

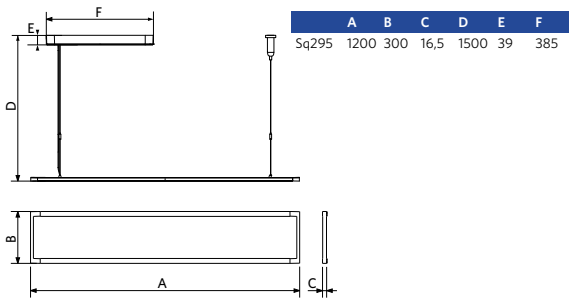
All codes include the required suspension kit. Suspension length 1.75m.

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

Technical Specifications		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
Colour consistency (SDCM)	4	Connection	See catalogue appendix
Dimmability	DALI2 / BLE2	Specifications	
Beam angle	115° up (30%) / 90° down (70%)	Mechanical Properties	
Finishing	White RAL9003	Housing material	Aluminium
RAL	○ 9003	Optical material	PMMA
Colour rendering index (CRI)	> 80	Cover material	PMMA
UGR	≤ 19	Ambient Conditions	
Degree of protection (IP)	IP20	Operating temperature	-10 ~ 35°C
Impact strength (IK)	IK02	Application temperature	25°C
Protection class	II	Storage environment	-25 ~ 50°C
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		



Dimensional Drawing (mm)





Panel Suspended Zenith

- Special design luminaire distributes light both up and down, combining comfort and efficiency
- High lumen output and high efficacy of 105 lm/W
- Light up your offices and meeting rooms in an architectural way
- Standard including suspension kit (2.5m) and separate aluminum colored driver housing
- DALI2 and Smart Lighting (BLE2) versions available
- DALI2 driver compatible with 230V push dimming



Specifications

Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
DALI2							
140054053	LEDPanelSp-Z L1222-75W-DALI-3000-AL	TL 2x58W	75	7875	105	3000	3.9
140054054	LEDPanelSp-Z L1222-75W-DALI-4000-AL	TL 2x58W	75	7875	105	4000	3.9
Smart							
542004091700	LEDPanelSp-Z L1222-80W-BLE2-3000-AL	TL 2x58W	80	8600	107	3000	3.9
542004091800	LEDPanelSp-Z L1222-80W-BLE2-4000-AL	TL 2x58W	80	8600	107	4000	3.9

All codes include the required suspension kit. Suspension length 2.5m.

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

Technical Specifications	
Lifetime (L70)	60,000 h
Lifetime (L80)	40,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	3
Dimmability	DALI2 / BLE2
Beam angle	112° up (50%) / down (50%)
Finishing	Aluminum
RAL	○ 9003
Colour rendering index (CRI)	> 80
UGR	≤ 19
Degree of 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

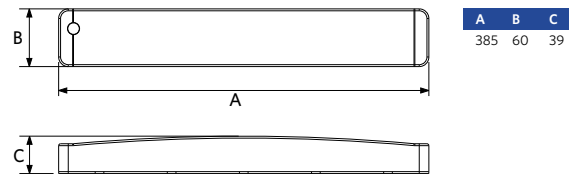
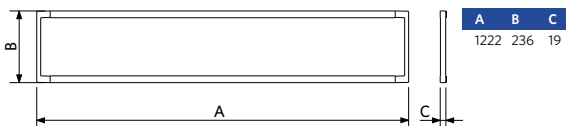
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Aluminium
Optical material	PMMA
Cover material	Semi-opaque PMMA

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



Dimensional Drawing (mm)





Downlight Performer G2 HG

- High quality LED Downlight with upgraded efficacy up to 130 lm/W with CRI90 for all versions
- Integrated CCT switch for color selection (3000K-4000K)
- 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
- IP44 on light emitting side
- Provided with protective foil in order to protect the optics against dust and dirt during the installation



Specifications

Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	Efficacy (lm/W)	UGR	CCT (K)	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 / BLE2
Beam angle	70°
Finishing	White RAL9003
RAL	○ 9003
Colour rendering index (CRI)	> 90
Ingress protection front side (IP)	IP44
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

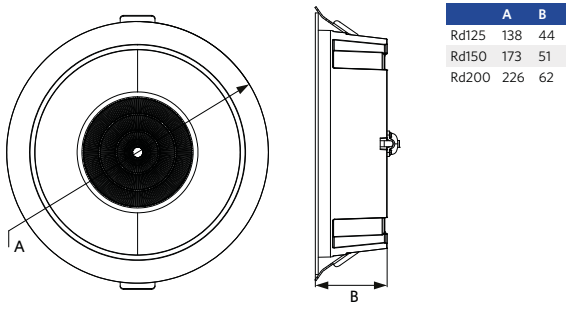
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Aluminium
Optical material	Polycarbonate

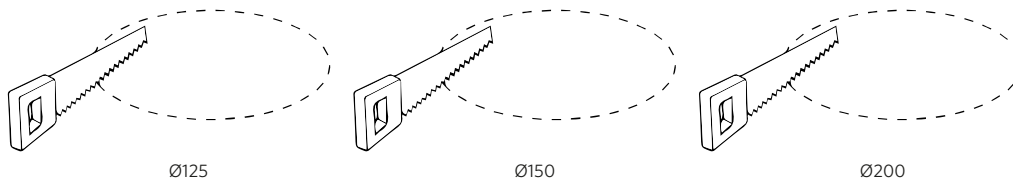
Ambient Conditions	
Operating temperature	-10 - 45°C
Application temperature	25°C
Storage environment	-25 - 50°C



Dimensional Drawing (mm)



Installation Opening Drawing (mm)





SMART

INDOOR

OUTDOOR

LAMPS & TOOLS

TECHNICAL DATA

GLOSSARY



Downlight Performer G2 MW

- High quality LED Downlight with upgraded efficacy up to 130 lm/W with CRI90 for all versions
- Integrated CCT switch for color selection (3000K-4000K)
- 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
- IP44 on light emitting side
- Provided with protective foil in order to protect the optics against dust and dirt during the installation



Specifications

Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	Efficacy (lm/W)	UGR	CCT (K)	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



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 / BLE2
Beam angle	70°
Finishing	White RAL9003
RAL	○ 9003
Colour rendering index (CRI)	> 90
Ingress protection front side (IP)	IP44
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

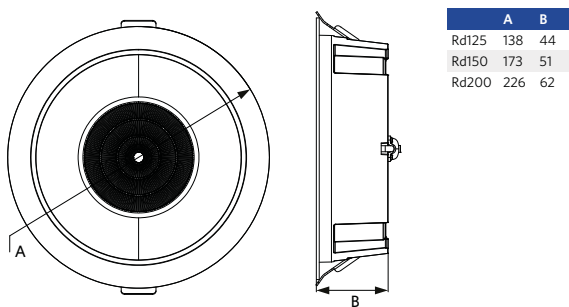
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Aluminium
Optical material	Polycarbonate

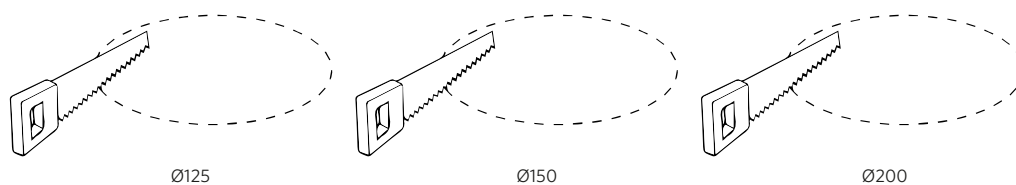
Ambient Conditions	
Operating temperature	-10 - 45°C
Application temperature	25°C
Storage environment	-25 - 50°C



Dimensional Drawing (mm)



Installation Opening Drawing (mm)





SMART

INDOOR

OUTDOOR

LAMPS & TOOLS

TECHNICAL DATA

GLOSSARY



Downlight Flex EcoMax

- Flexible downlight solution for surface and recessed mounting
- Big range of ceiling hole diameter that can be covered. 16W version: Ø65-205mm and 22W version: Ø120-260mm
- 3 power settings in each version
- Integrated CCT switch for color selection (3000K-4000K)
- Available in Round and Square versions



Specifications

Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
On-Off							
540001382700	LEDDownlightF-E Rd205-10/16W-830/840	CFL 1x26W	16	1050	105	3K/4K	0.46
540001382800	LEDDownlightF-E Rd260-16/22W-830/840	CFL 2x26W	22	1760	110	3K/4K	0.78
540001382900	LEDDownlightF-E Sq205-10/16W-830/840	CFL 1x26W	16	1000	100	3K/4K	0.5
540001383000	LEDDownlightF-E Sq260-16/22W-830/840	CFL 2x26W	22	1760	110	3K/4K	0.93

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

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	120°
Finishing	White RAL9003
RAL	○ 9003
Colour rendering index (CRI)	> 80
Degree of 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

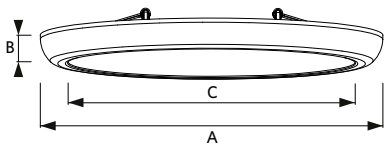
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Aluminium
Optical material	Polycarbonate

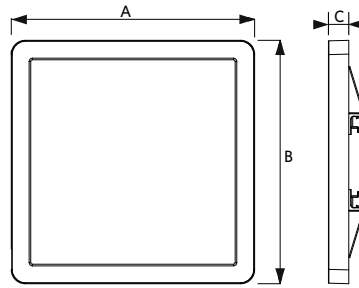
Ambient Conditions	
Operating temperature	-10 - 40°C
Application temperature	25°C
Storage environment	-25 - 50°C



Dimensional Drawing (mm)

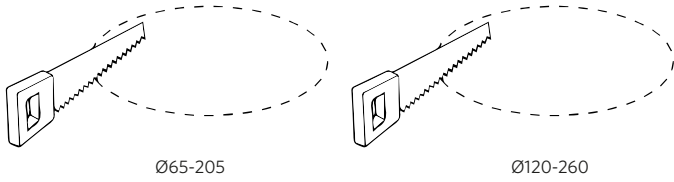


Type	A	B	C
Rd205	235	22	187
Rd260	300	25	252



Type	A	B	C
Sq205	235	22	187
Sq260	300	25	252

Installation Opening Drawing (mm)



Ø65-205

Ø120-260



Downlight Slim EcoMax G2

- Slim LED Downlight
- Upgraded efficacy up to 120 lm/W
- Integrated CCT switch for color selection (3000K-4000K)
- 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)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
On-Off							
540001366000	LEDDownlightS-E2 Rd100-6W-830/840-WH	CFL 1x18W	6	600	100	3K/4K	0.2
540001366100	LEDDownlightS-E2 Rd125-8W-830/840-WH	CFL 1x26W	8	945	105	3K/4K	0.27
540001366300	LEDDownlightS-E2 Rd150-10W-830/840-WH	CFL 1x26W	10	1260	105	3K/4K	0.35
540001365500	LEDDownlightS-E2 Rd175-15W-830/840-WH	CFL 2x26W	15	1725	115	3K/4K	0.43
540001365800	LEDDownlightS-E2 Rd200-18W-830/840-WH	CFL 1x18W	18	2160	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	○ 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	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

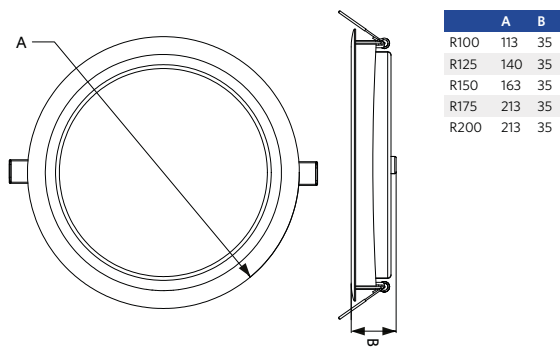
Housing material	Steel
Optical material	Polycarbonate

Ambient Conditions

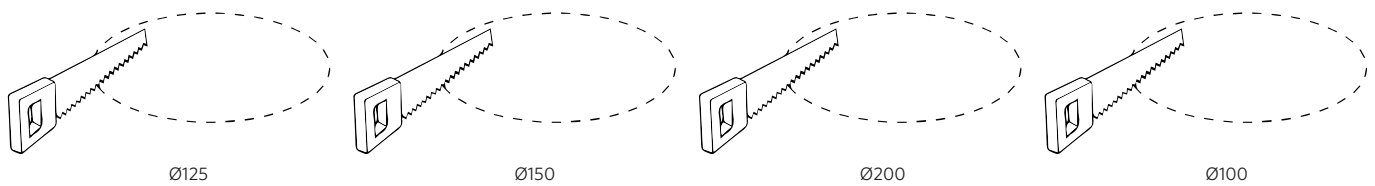
Operating temperature	-10 ~ 45°C
Application temperature	25°C
Storage environment	-25 ~ 50°C



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)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	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



140060652
LEDDownlightRc-HZ-dim-Adapter-200-225

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
Dimmability	On-Off
Beam angle	100°
Finishing	White RAL9003
RAL	○ 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	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

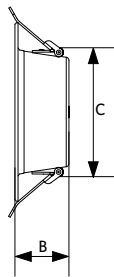
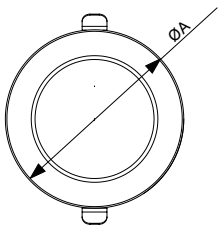
Housing material	Aluminium
Optical material	Polycarbonate

Ambient Conditions

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

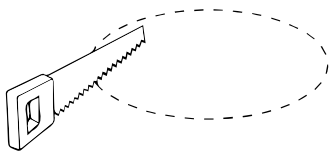


Dimensional Drawing (mm)

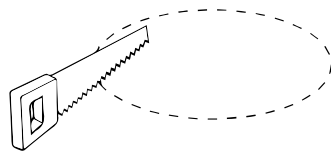


	A	B	C
Rd100	115	35	83
Rd125	140	35	108
Rd150	170	35	137
Rd200	220	35	187

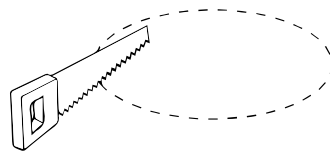
Installation Opening Drawing (mm)



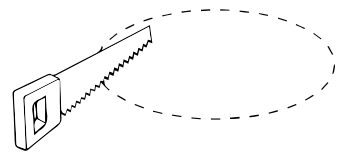
Ø125



Ø150



Ø200



Ø100



Spot Performer 3C Compact

- NEW: 3-CCT Switch versions available
- High performance compact track spot with high luminous efficiency and homogeneous light distribution
- Wireless dimmable Smart Lighting solution (BLE2) available
- Various beam angles achievable with exchangeable reflectors
- Fitting common Global/Nordic Aluminum® 3C Tracks - and many other standard types
- Honeycomb filters available for further glare reduction (only for non-CS versions)
- Available in matte white (WH) and matte black (BL) versions



Specifications

Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
On-Off/CCT-Switch							
541001187400	LEDspot3C-C-CS 10W-930/940/950-36D-WH	Halogen 100W	10	1000	100	3K/4K/5K	0.37
541001187500	LEDspot3C-C-CS 10W-930/940/950-36D-BL	Halogen 100W	10	1000	100	3K/4K/5K	0.37
541001186600	LEDspot3C-C-CS 20W-930/940/950-36D-WH	HID 35W	20	2000	100	3K/4K/5K	0.66
541001186700	LEDspot3C-C-CS 20W-930/940/950-36D-BL	HID 35W	20	2000	100	3K/4K/5K	0.66
541001186800	LEDspot3C-C-CS 30W-930/940/950-36D-WH	HID 50W	30	2550	100	3K/4K/5K	0.82
541001186900	LEDspot3C-C-CS 30W-930/940/950-36D-BL	HID 50W	30	2550	100	3K/4K/5K	0.82
On-Off							
541001053900	LEDspot3C-C-P 20W-930-36D-WH	HID 35W	20	2400	120	3000	0.74
541001053700	LEDspot3C-C-P 20W-940-36D-WH	HID 35W	20	2400	120	4000	0.74
541001052700	LEDspot3C-C-P 20W-930-36D-BL	HID 35W	20	2400	120	3000	0.94
541001053000	LEDspot3C-C-P 20W-940-36D-BL	HID 35W	20	2400	120	4000	0.94
541001053500	LEDspot3C-C-P 28W-930-36D-WH	HID 50W	28	3080	110	3000	0.94
541001053300	LEDspot3C-C-P 28W-940-36D-WH	HID 50W	28	3360	120	4000	0.94
541001052800	LEDspot3C-C-P 28W-930-36D-BL	HID 50W	28	3080	110	3000	0.94
541001052600	LEDspot3C-C-P 28W-940-36D-BL	HID 50W	28	3360	120	4000	0.94
Triac							
541001069000	LEDspot3C-C-P 10W-Dim-930-36D-WH	Halogen 100W	10	1200	120	3000	0.435
541001069600	LEDspot3C-C-P 10W-Dim-930-36D-BL	Halogen 100W	10	1200	120	3000	0.435
Smart							
541001167100	LEDspot3C-C-P 37W-BLE2-930-36D-WH	HID 50W	28	3080	110	3000	0.95
541001167200	LEDspot3C-C-P 37W-BLE2-940-36D-WH	HID 50W	28	3360	120	4000	0.95
541001167300	LEDspot3C-C-P 37W-BLE2-930-36D-BL	HID 50W	28	3080	110	3000	0.95
541001167400	LEDspot3C-C-P 37W-BLE2-940-36D-BL	HID 50W	28	3360	120	4000	0.95

Technical Specifications

Lifetime (L70)	70,000 h
Lifetime (L80)	50,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	On-Off / Triac / BLE2
Beam angle	36°
Maximum tilt angle	85°
Finishing	Matte White / Matte Black
Colour rendering index (CRI)	> 90
Degree of protection (IP)	IP20
Impact strength (IK)	IK03
Protection class	I / 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

Electrical Supply

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

Mechanical Properties

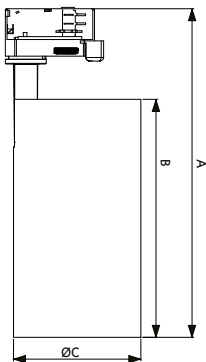
Housing material	Aluminium
Lens material	Polycarbonate

Ambient Conditions

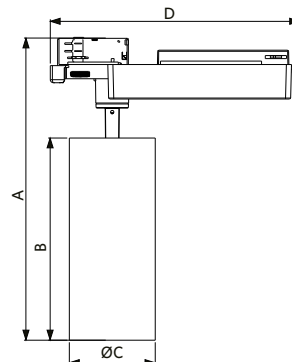
Operating temperature	-10 ~ 40, -10 ~ 45°C
Application temperature	25°C
Storage environment	-25 ~ 50°C



Dimensional Drawing (mm)



Type	A	B	C	D
12W	229	150	65	77
20W	276	200	85	77
28W	276	200	100	77



A	B	C	D	
37W	299	200	85	247



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)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	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
LEDDownlightRc-HZ-
dim-Adapter-175-200



542098030700
Junction-Box-WH

See appendix Adapter Rings Overview for adapter ring dimensional drawings.

Technical Specifications

Lifetime (L70)	70,000 h
Lifetime (L80)	50,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	3
Dimmability	On-Off / DALI / BLE2 / 1-10V
Beam angle	60°
Maximum tilt angle	40°
RAL	○ 9003
Colour rendering index (CRI)	> 90
Degree of protection (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)	< 1.0%
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	0.3 m

Mechanical Properties

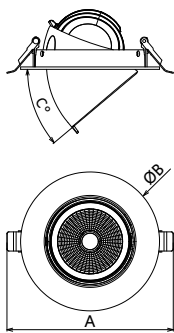
Housing material	Aluminium
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Ambient Conditions

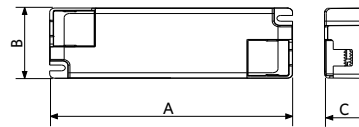
Operating temperature	-10 ~ 45°C
Application temperature	25°C
Storage environment	-25 ~ 50°C



Dimensional Drawing (mm)

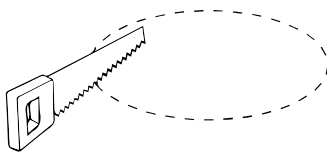


	A	B	C
20W	171	145	40
35W	203	180	40

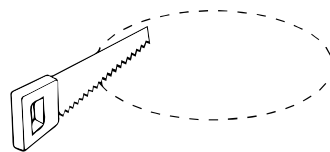


	A	B	C
On/Off 20W	134	51	24
On/Off 35W	160	56	27
DALI	180	51	31
BLE2	180	51	31
1-10V	180	51	31

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 8W
- Universal cut-out of 68mm



Specifications

Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	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
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
Degree of 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

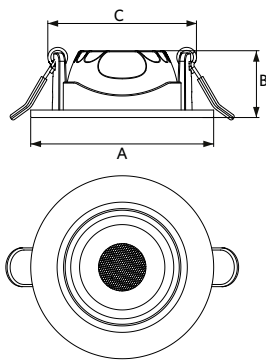
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications
230V Cable length	0.3 m

Mechanical Properties	
Housing material	Aluminium
Optical material	Polycarbonate

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

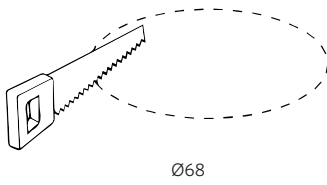


Dimensional Drawing (mm)



	A	B	C
RA-Slim	85	31	68

Installation Opening Drawing (mm)





Spot Round Adjustable HQ

- Attractive tiltable recessed spotlight with comfortable light beam
- Unique light mixing technique and optics design, UGR16
- Good beam orientation adjustment, providing great flexibility
- Full IP44 solution (8W), including IP44 LED-driver
- Available in white and aluminum with light colors 2700K, 3000K and 4000K



Specifications

Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	IP	Weight (kg/pc)
Triac								
140061278	LEDSpotRA HQ2 8W-Dim-2700-40D-AL-IP44	Halogen 50W	8	640	80	2700	IP44	0.4
140061279	LEDSpotRA HQ2 8W-Dim-3000-40D-AL-IP44	Halogen 50W	8	640	80	3000	IP44	0.4
140061280	LEDSpotRA HQ2 8W-Dim-4000-40D-AL-IP44	Halogen 50W	8	680	85	4000	IP44	0.4
140061281	LEDSpotRA HQ2 8W-Dim-2700-40D-WH-IP44	Halogen 50W	8	640	80	2700	IP44	0.4
140061282	LEDSpotRA HQ2 8W-Dim-3000-40D-WH-IP44	Halogen 50W	8	640	80	3000	IP44	0.4
140061283	LEDSpotRA HQ2 8W-Dim-4000-40D-WH-IP44	Halogen 50W	8	680	85	4000	IP44	0.4

Accessories



542098030700
Junction-Box-WH

821017003600
LEDSmart-BLE2-Relay-
250W-DIM

Technical Specifications

Lifetime (L70)	50,000 h
Lifetime (L80)	30,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	Triac
Beam angle	40°
Maximum tilt angle	23°
Finishing	Brushed Aluminum RAL 9022 / White RAL9003
Colour rendering index (CRI)	> 80
UGR	≤ 16
Impact strength (IK)	IK02
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	850°C
Driver failure rate (at 5,000 hrs)	< 1.0%
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	0.3 m

Mechanical Properties

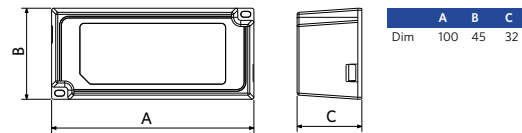
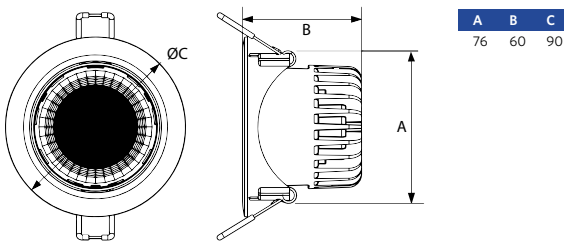
Housing material	Aluminium
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Ambient Conditions

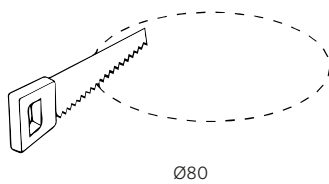
Operating temperature	-10 ~ 40°C
Application temperature	25°C
Storage environment	-25 ~ 50°C



Dimensional Drawing (mm)



Installation Opening Drawing (mm)





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)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
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



542098030700
Junction-Box-WH

821017003600
LEDsmart-BLE2-Relay-
250W-DIM

Technical Specifications

Lifetime (L70)	50,000 h
Lifetime (L80)	30,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	Triac
Beam angle	30°
Maximum tilt angle	25°
Finishing	Brushed Aluminum / Matte White / Matte Black
Colour rendering index (CRI)	> 80
Degree of 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

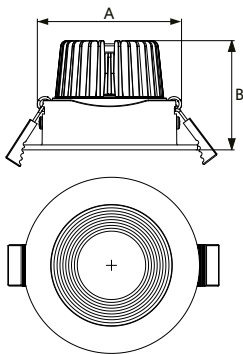
Housing material	Aluminium
Optical material	Polycarbonate

Ambient Conditions

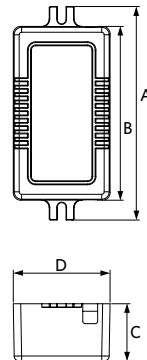
Operating temperature	-10 ~ 45°C
Application temperature	25°C
Storage environment	-25 ~ 50°C



Dimensional Drawing (mm)

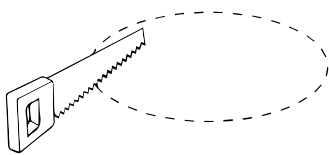


	A	B
5W & 7W	68	53



A	B	C	D
86	70	23	39

Installation Opening Drawing (mm)



Ø68-76



Surface Spot Selena

- Stylish and compact surface mounted spot
- Clean “twist-and-lock” mounting system
- High quality full metal body
- Available in matte white (WH) and matte black (BL) versions
- Triac dimming in higher power versions
- Small diameter of only 55 and 75mm
- Standard CRI 90



Specifications

Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	RAL	Weight (kg/pc)
On-Off/Adjustable								
541003589600	LEDspotRA-Selena-E 5W-930-55D-WH	Halogen 35W	4.8	400	83	3000	○	0.22
541003589700	LEDspotRA-Selena-E 5W-930-55D-BL	Halogen 35W	4.8	400	83	3000	●	0.22
On-Off/Fixed								
541003590000	LEDspotRF-Selena-E 5W-930-55D-WH	Halogen 35W	4.8	400	83	3000	○	0.22
541003590100	LEDspotRF-Selena-E 5W-930-55D-BL	Halogen 35W	4.8	400	83	3000	●	0.22
Triac/Fixed								
541003590400	LEDspotRF-Selena-E 7W-DIM-930-55D-WH	Halogen 50W	7	560	80	3000	○	0.38
541003590500	LEDspotRF-Selena-E 7W-DIM-930-55D-BL	Halogen 50W	7	560	80	3000	●	0.38

Accessories



821017003600
LEDSmart-BLE2-Relay-
250W-DIM

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	55°
Maximum tilt angle	90°
Finishing	Matte White / Matte Black
Colour rendering index (CRI)	> 90
Degree of protection (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%

Electrical Supply

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

Mechanical Properties

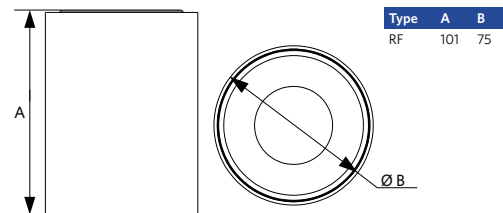
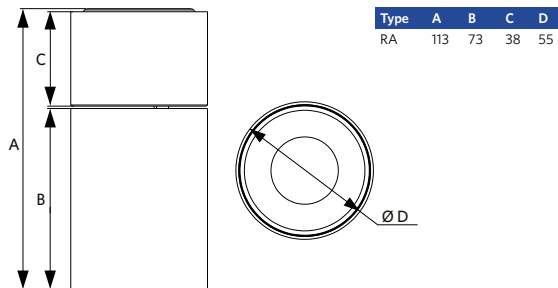
Housing material	Aluminium
Optical material	Polycarbonate

Ambient Conditions

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



Dimensional Drawing (mm)





Spot Chiara

- NEW: Upgraded 9W version with Triac dimming and high CRI
- 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



Specifications

Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	CRI	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
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



542098030700
Junction-Box-WH

821017003600
LEDsmart-BLE2-Relay-
250W-DIM

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
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	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

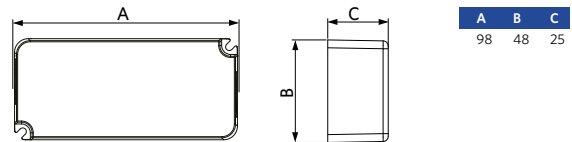
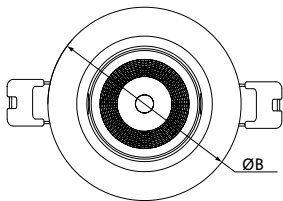
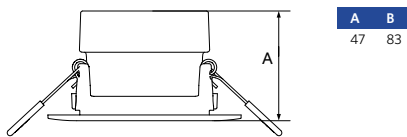
Housing material	Plastic
Optical material	Polycarbonate

Ambient Conditions

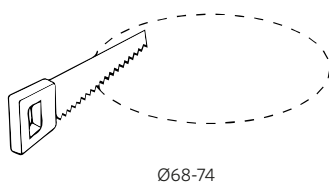
Operating temperature	-10 ~ 40°C
Application temperature	25°C
Storage environment	-25 ~ 50°C



Dimensional Drawing (mm)



Installation Opening Drawing (mm)





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)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
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%
Power factor	> 0.7

Electrical Supply

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

Mechanical Properties

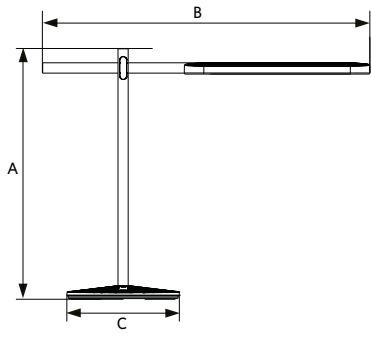
Housing material	Aluminium
Optical material	Polycarbonate

Ambient Conditions

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



Dimensional Drawing (mm)



A	B	C
14W	440	570
	196	



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)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	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	○ 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%
Power factor	> 0.9

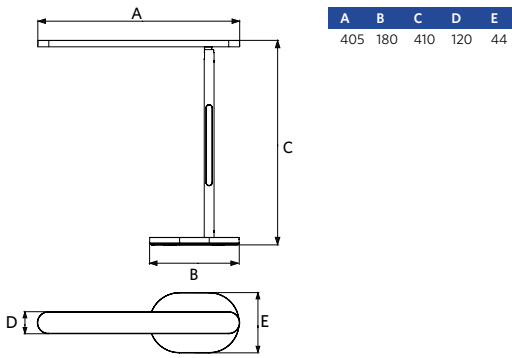
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	No
230V Cable length	1.8 m

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)





Wall-Mounted Performer

- Robust, waterproof IP65 luminaire with high impact protection (IK10)
- Well integrated in architecture thanks to its comfortable light distribution
- MD-versions with 2-step dimming (movement always necessary for switching on luminaire)
- One Wall-Mounted with sensor (MD) can control up to 10 Wall-Mounted fixtures
- 1 hour and 3 hour emergency versions available (EM1/EM3)
- Integrated CCT switch for color selection (3000K-4000K)
- Designed to be easy to install and maintain with up to 2.5mm² through-wiring possibility
- Suitable for both indoor and outdoor applications



Specifications

Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	With sensor	Weight (kg/pc)
1-10V								
543011000600	LEDWall-Mounted-P Rd300-15W	CFL 2x18W	15	1750	115	3K/4K	No	1.3
543011000400	LEDWall-Mounted-P Rd300-21W	CFL 2x26W	21	2550	120	3K/4K	No	1.32
Motion Detection/Daylight Detection								
543011000500	LEDWall-Mounted-P Rd300-16W-MD	CFL 2x18W	16	1750	110	3K/4K	Yes	1.4
543011000300	LEDWall-Mounted-P Rd300-22W-MD	CFL 2x26W	22	2550	115	3K/4K	Yes	1.42
Emergency kit 3 hour/1-10V								
543011003200	LEDWall-Mounted-P Rd300-15W-EM3	CFL 2x18W	15	1750	115	3K/4K	No	1.78
543011003400	LEDWall-Mounted-P Rd300-21W-EM3	CFL 2x26W	21	2550	120	3K/4K	No	1.8
Emergency kit 3 hour/Motion Detection/Daylight Detection								
543011003300	LEDWall-Mounted-P Rd300-16W-MD-EM3	CFL 2x18W	16	1750	110	3K/4K	Yes	1.88
543011003500	LEDWall-Mounted-P Rd300-22W-MD-EM3	CFL 2x26W	22	2550	115	3K/4K	Yes	1.9

Accessories



821017003000
LEDSmart-BLE2-10V-Converter

Technical Specifications	
Lifetime (L70)	50,000 h
Lifetime (L80)	30,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	1-10V
Sensor type	No sensor / Motion + Daylight detection (MD)
Sensor technology	No sensor / Microwave (MW)
Finishing	White RAL9003
RAL	O 9003
Colour rendering index (CRI)	> 80
Degree of protection (IP)	IP65
Impact strength (IK)	IK10
Protection class	II
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

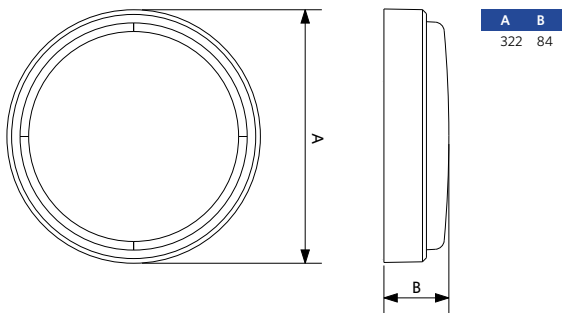
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Plastic
Optical material	Polycarbonate

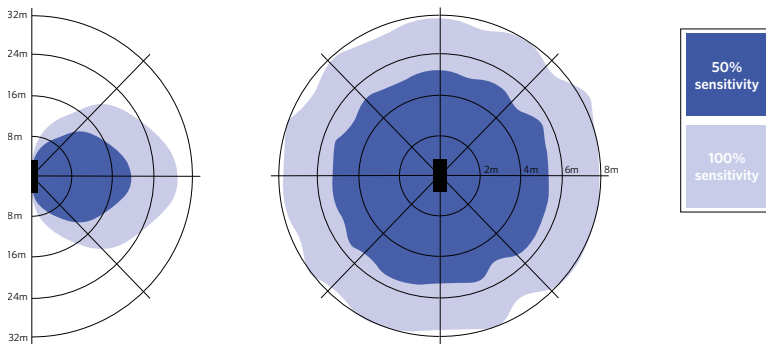
Ambient Conditions	
Operating temperature	-30 - 50°C
Application temperature	25°C
Storage environment	-30 - 60°C



Dimensional Drawing (mm)



Motion Sensors



Installation - Wall mounted
Suggested installation height 1-4m

Installation - Ceiling mounted
Suggested installation height 2.5-10m



Wall-Mounted EcoMax G2

- NEW: Smart (BLE2) versions available
- Stylish, compact and sturdy wall mounted fixture (IP54+IK08)
- 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)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	With sensor	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
Degree of 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

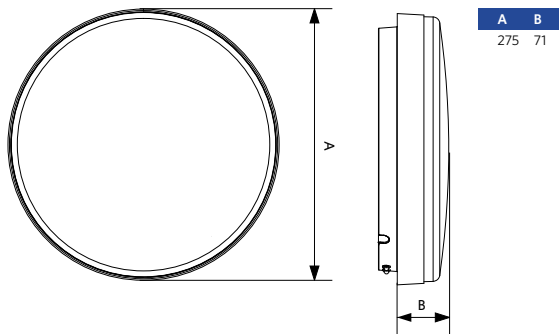
Housing material	Plastic
Optical material	Polycarbonate

Ambient Conditions

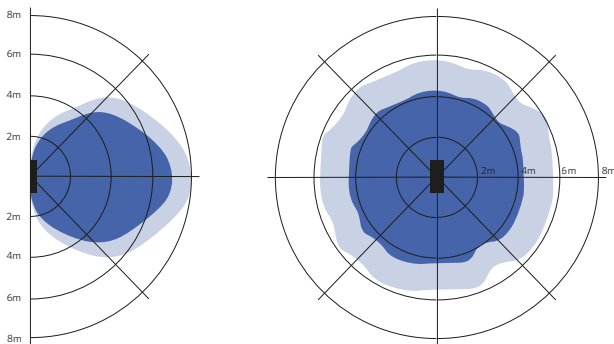
Operating temperature	-20 - 45°C
Operating temperature (EM)	0 - 45°C
Application temperature	25°C
Storage environment	-30 - 60°C
Storage environment (EM)	-20 - 25°C



Dimensional Drawing (mm)

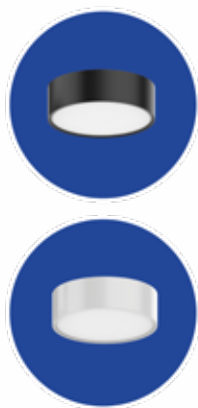


Motion Sensors



Installation - Wall mounted
Suggested installation height 1-3m

Installation - Ceiling mounted
Suggested installation height 2.5-6m



Ceiling Light Luna

- Stylish and compact ceiling luminaire
- Clean “twist-and-lock” mounting system
- High quality full metal body
- Low height of only 46mm
- High efficacy up to 95 lm/W
- Full range: 4 powers and 3 sizes
- Suitable for ceiling and wall mounting
- Available in black (BL) and white (WH)



Specifications

Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	RAL	Weight (kg/pc)
On-Off								
540001295100	LEDceilingLu-E Rd87-9W-830-WH	CFL 1x18W	9	810	90	3000	○	0.102
540001295500	LEDceilingLu-E Rd87-9W-830-BL	CFL 1x18W	9	810	90	3000	●	0.102
540001296300	LEDceilingLu-E Rd87-9W-840-WH	CFL 1x18W	9	855	95	4000	○	0.102
540001295600	LEDceilingLu-E Rd87-9W-840-BL	CFL 1x18W	9	855	95	4000	●	0.102
540001295200	LEDceilingLu-E Rd112-14W-830-WH	CFL 1x26W	14	1190	85	3000	○	0.166
540001295700	LEDceilingLu-E Rd112-14W-830-BL	CFL 1x26W	14	1190	85	3000	●	0.166
540001296400	LEDceilingLu-E Rd112-14W-840-WH	CFL 1x26W	14	1260	90	4000	○	0.166
540001295800	LEDceilingLu-E Rd112-14W-840-BL	CFL 1x26W	14	1260	90	4000	●	0.166
540001295300	LEDceilingLu-E Rd142-18W-830-WH	CFL 2x18W	18	1620	90	3000	○	0.269
540001295900	LEDceilingLu-E Rd142-18W-830-BL	CFL 2x18W	18	1620	90	3000	●	0.269
540001296500	LEDceilingLu-E Rd142-18W-840-WH	CFL 2x18W	18	1710	95	4000	○	0.269
540001296000	LEDceilingLu-E Rd142-18W-840-BL	CFL 2x18W	18	1710	95	4000	●	0.269
540001295400	LEDceilingLu-E Rd142-24W-830-WH	CFL 2x26W	24	2040	85	3000	○	0.269
540001296100	LEDceilingLu-E Rd142-24W-830-BL	CFL 2x26W	24	2040	85	3000	●	0.269
540001296600	LEDceilingLu-E Rd142-24W-840-WH	CFL 2x26W	24	2160	90	4000	○	0.269
540001296200	LEDceilingLu-E Rd142-24W-840-BL	CFL 2x26W	24	2160	90	4000	●	0.269

Technical Specifications

Lifetime (L70)	50,000 h
Lifetime (L80)	30,000 h
On-/Off-cycles	100,000
Dimmability	On-Off
Beam angle	100°
Finishing	White RAL9003 / Black RAL 9004
Colour rendering index (CRI)	> 80
Degree of protection (IP)	IP20
Impact strength (IK)	IK02
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Displacement factor	0.9

Electrical Supply

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

Mechanical Properties

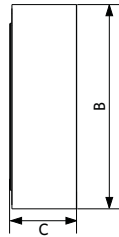
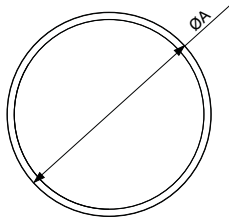
Housing material	Aluminium
Optical material	Polycarbonate

Ambient Conditions

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



Dimensional Drawing (mm)



	A	B	C
Rd87	87	87	46
Rd112	112	112	46
Rd142	142	142	46



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)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	IP	Weight (kg/pc)
Triac								
520033017400	LEDApollo-E4 Rd250-6/12W-DIM-827/840	GLS 75W	12	1200	100	2.7K/4K	IP44	0.4
520033017500	LEDApollo-E4 Rd350-8/16W-DIM-827/840	GLS 100W	16	1600	100	2.7K/4K	IP44	0.8
520034068200	LEDApollo-E4 Rd450-11/22W-DIM-827/840	GLS 100W	22	2200	100	2.7K/4K	IP44	1.3
Triac/Motion Detection/Daylight Detection								
520033017600	LEDApollo-E4 Rd250-6/12W-DIM-827/840-MD	GLS 75W	12	1200	100	2.7K/4K	IP44	0.4
520033017700	LEDApollo-E4 Rd350-8/16W-DIM-827/840-MD	GLS 100W	16	1600	100	2.7K/4K	IP44	0.8
520034068300	LEDApollo-E4 Rd450-11/22W-DIM-827/840-MD	GLS 100W	22	2200	100	2.7K/4K	IP44	1.3

Accessories



520098000200
LED Apollo HC300 bracket

520098001800
LED Apollo HC350 bracket

Sensor only for use without dimmer. Sensor range 12m.
HC300 Bracket sold per 2. HC350 Bracket sold per 3.

Technical Specifications	
Lifetime (L70)	50,000 h
Lifetime (L80)	30,000 h
On-/Off-cycles	100,000
Dimmability	Triac
Sensor type	Motion + Daylight detection (MD)
Sensor technology	Microwave (MW)
Beam angle	120°
Finishing	White RAL9003
RAL	○ 9003
Colour rendering index (CRI)	> 80
Impact strength (IK)	IK02
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes

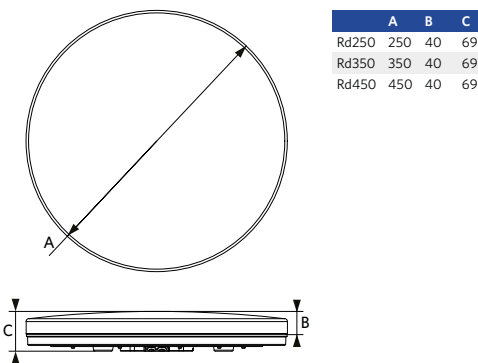
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Plastic
Optical material	Polycarbonate

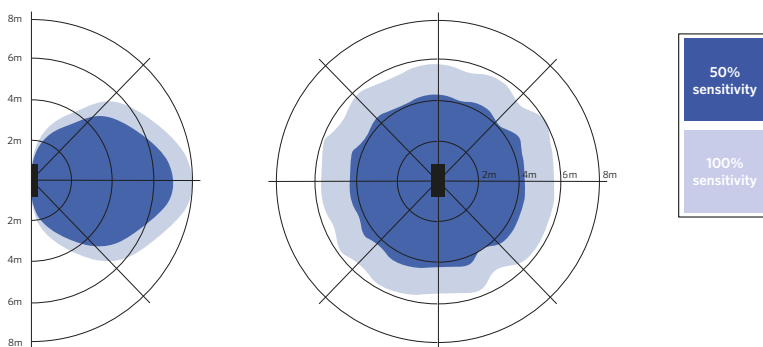
Ambient Conditions	
Operating temperature	-10 ~ 45°C
Application temperature	25°C
Storage environment	-25 ~ 50°C



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)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	With sensor	Weight (kg/pc)
On-Off								
531000019500	LEDPorch-E2-Re120-3/5W-830/840	TL 8W	5	600	120	3K/4K	No	0.8
Motion Detection/Daylight Detection								
531000019600	LEDPorch-E2-Re120-3/5W-830/840-MD	TL 8W	5	600	120	3K/4K	Yes	0.85
Emergency kit 3 hour/On-Off								
531000019700	LEDPorch-E2-Re120-3/5W-830/840-EM3	TL 8W	5	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	5	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	○ 9003
Colour rendering index (CRI)	> 80
Degree of 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

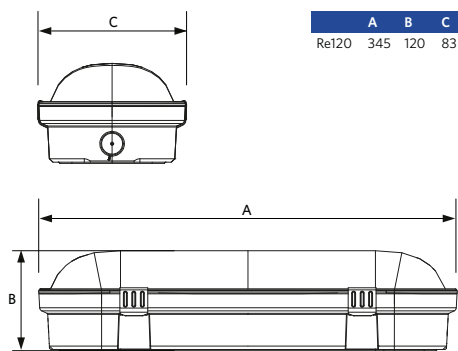
Optical material	Polycarbonate
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Ambient Conditions

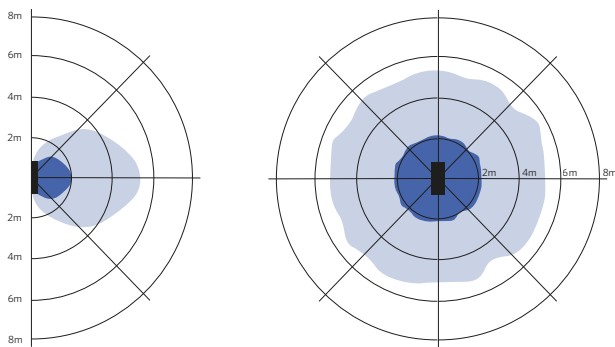
Operating temperature	-30 - 50°C
Application temperature	25°C
Storage environment	-30 - 60°C



Dimensional Drawing (mm)



Motion Sensors



Installation - Wall mounted
Suggested installation height 1-3m

Installation - Ceiling mounted
Suggested installation height 2.5-5m



Linear EcoMax G2

- 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 diffusor
- Central or side power connection
- Motion and daylight sensor accessory available
- Perfect TL replacement



Specifications

Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
On-Off							
531000018900	LEDLinear-E2 L06-10/18W-830/840	TL 2x18W	18	2340	130	3K/4K	1.8
531000019000	LEDLinear-E2 L12-22/36W-830/840	TL 2x36W	36	4680	130	3K/4K	2.8
531000019100	LEDLinear-E2 L15-30/50W-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	18	2340	130	3K/4K	2
Emergency kit 3 hour/On-Off							
531000019300	LEDLinear-E2 L12-22/36W-830/840-EM3	TL 2x36W	36	4680	130	3K/4K	3
531000019400	LEDLinear-E2 L15-30/50W-830/840-EM3	TL 2x58W	50	6500	130	3K/4K	3.5

Technical Specifications	
Lifetime (L70)	70,000 h
Lifetime (L80)	50,000 h
On-/Off-cycles	100,000
Dimmability	On-Off
Beam angle	120°
Finishing	White RAL9003
RAL	○ 9003
Colour rendering index (CRI)	> 80
Degree of protection (IP)	IP44
Impact strength (IK)	IK06
Protection class	I
Risk group (EN 62471)	RG1
With control gear	Yes
Power factor	> 0.9

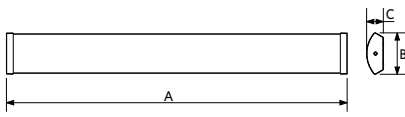
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Steel
Optical material	PMMA

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



Dimensional Drawing (mm)



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



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
- EM1 and DALI are available for the family
- Central or side power connection



Specifications

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

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 / Brushed Aluminum RAL 9022
RAL	○ 9003
Colour rendering index (CRI)	> 80
Degree of protection (IP)	IP20
Protection class	I
Risk group (EN 62471)	RG1
With control gear	Yes
Power factor	> 0.95

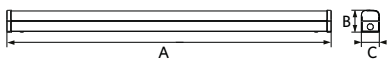
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
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)



	A	B	C
L12	1128	76	63
L15	1410	76	63



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)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	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	○ 9003
Colour rendering index (CRI)	> 80
Degree of protection (IP)	IP20
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Power factor	> 0.9

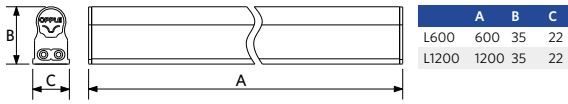
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	No
230V Cable length	1.5 m

Mechanical Properties	
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)





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)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	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	○ 9003
Colour rendering index (CRI)	> 80
Degree of 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

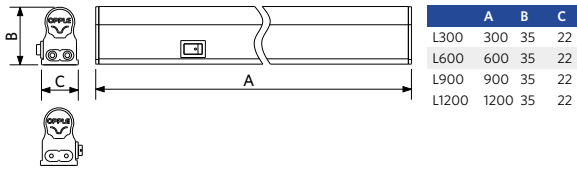
Optical material	Polycarbonate
Cover material	Polycarbonate

Ambient Conditions

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



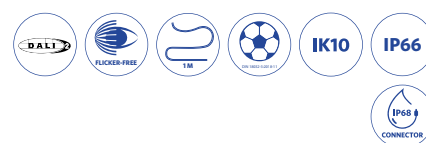
Dimensional Drawing (mm)





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, asymmetric and extra asymmetric.
- 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)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Weight (kg/pc)
DALI2								
545001107300	LEDHighbay-Lin-P 150W-DALI-840-W	HID 400W	150	27000	180	4000	110°	4.1
545001107900	LEDHighbay-Lin-P 150W-DALI-840-AS	HID 400W	150	27000	180	4000	60° x 100°	4.1
545001108500	LEDHighbay-Lin-P 150W-DALI-840-XAS	HID 400W	150	27000	180	4000	30° x 80°	4.1
545001107400	LEDHighbay-Lin-P 240W-DALI-840-W	HID 2x400W	240	43200	180	4000	110°	7.1
545001108000	LEDHighbay-Lin-P 240W-DALI-840-AS	HID 2x400W	240	43200	180	4000	60° x 100°	7.1
545001108600	LEDHighbay-Lin-P 240W-DALI-840-XAS	HID 2x400W	240	43200	180	4000	30° x 80°	7.1
545001107500	LEDHighbay-Lin-P 300W-DALI-840-W	HID 1000W	300	54000	180	4000	110°	7.9
545001108100	LEDHighbay-Lin-P 300W-DALI-840-AS	HID 1000W	300	54000	180	4000	60° x 100°	7.9
545001108700	LEDHighbay-Lin-P 300W-DALI-840-XAS	HID 1000W	300	54000	180	4000	30° x 80°	7.9
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 100°	4.1
545001110900	LEDHighbay-Lin-P 150W-DALI-840-XAS-EM1	HID 400W	150	27000	180	4000	30° x 80°	4.1
Emergency kit 3 hour/DALI2								
545001109800	LEDHighbay-Lin-P 240W-DALI-840-W-EM3	HID 2x400W	240	43200	180	4000	110°	7.1
545001110400	LEDHighbay-Lin-P 240W-DALI-840-AS-EM3	HID 2x400W	240	43200	180	4000	60° x 100°	7.1
545001111000	LEDHighbay-Lin-P 240W-DALI-840-XAS-EM3	HID 2x400W	240	43200	180	4000	30° x 80°	7.1
545001109900	LEDHighbay-Lin-P 300W-DALI-840-W-EM3	HID 1000W	300	54000	180	4000	110°	7.9
545001110500	LEDHighbay-Lin-P 300W-DALI-840-AS-EM3	HID 1000W	300	54000	180	4000	60° x 100°	7.9
545001111100	LEDHighbay-Lin-P 300W-DALI-840-XAS-EM3	HID 1000W	300	54000	180	4000	30° x 80°	7.9

Accessories



545098010600
LEDHighbay-Lin-P Rotatable Bracket

Technical Specifications	
Lifetime (L70)	100,000 h
Lifetime (L80)	80,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	DALI2
Finishing	Grey Pantone 417U
RAL	9022
Colour rendering index (CRI)	> 80
Degree of 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

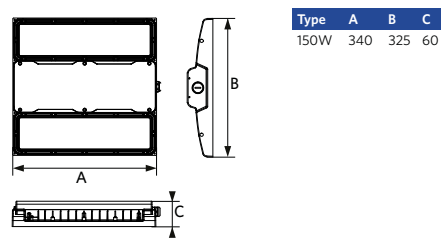
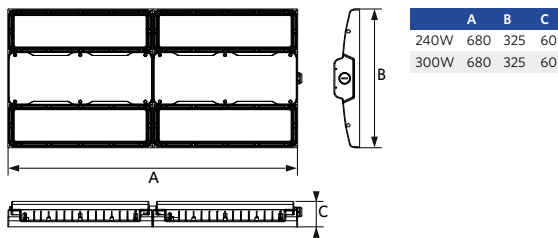
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Aluminium
Optical material	Polycarbonate
Cover material	Polycarbonate

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



Dimensional Drawing (mm)





Highbay Performer G5

- High quality LED Highbay solution with improved ultra slim design
- Improved efficacy of 160 lm/W
- Available as Smart Lighting solution (BLE2) and DALI2 combined in one luminaire
- High temperature versions (HT) available
- Three different beam angles: wide, medium and asymmetric
- Extra high power versions available, up to 38,400 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)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Weight (kg/pc)
On-Off								
545001068300	LEDHighbay-P5 80W-840-W	HID 250W	80	12800	160	4000	100°	2.68
545001068200	LEDHighbay-P5 80W-840-N	HID 250W	80	12800	160	4000	60°	2.68
545001068400	LEDHighbay-P5 80W-840-AS	HID 250W	80	12800	160	4000	60° x 100°	2.68
545001069500	LEDHighbay-P5 80W-857-W	HID 250W	80	12800	160	5700	100°	2.68
545001069400	LEDHighbay-P5 80W-857-N	HID 250W	80	12800	160	5700	60°	2.68
545001069600	LEDHighbay-P5 80W-857-AS	HID 250W	80	12800	160	5700	60° x 100°	2.68
545001068600	LEDHighbay-P5 110W-840-W	HID 400W	110	17600	160	4000	100°	2.68
545001068500	LEDHighbay-P5 110W-840-N	HID 400W	110	17600	160	4000	60°	2.68
545001068700	LEDHighbay-P5 110W-840-AS	HID 400W	110	17600	160	4000	60° x 100°	2.68
545001069800	LEDHighbay-P5 110W-857-W	HID 400W	110	17600	160	5700	100°	2.68
545001069700	LEDHighbay-P5 110W-857-N	HID 400W	110	17600	160	5700	60°	2.68
545001069900	LEDHighbay-P5 110W-857-AS	HID 400W	110	17600	160	5700	60° x 100°	2.68
545001068000	LEDHighbay-P5 150W-840-W	HID 400W	150	24000	160	4000	100°	3.7
545001067900	LEDHighbay-P5 150W-840-N	HID 400W	150	24000	160	4000	60°	3.7
545001068100	LEDHighbay-P5 150W-840-AS	HID 400W	150	24000	160	4000	60° x 100°	3.7
545001069200	LEDHighbay-P5 150W-857-W	HID 400W	150	24000	160	5700	100°	3.7
545001069100	LEDHighbay-P5 150W-857-N	HID 400W	150	24000	160	5700	60°	3.7
545001069300	LEDHighbay-P5 150W-857-AS	HID 400W	150	24000	160	5700	60° x 100°	3.7
545001067600	LEDHighbay-P5 200W-840-W	HID 600W	200	32000	160	4000	100°	3.7
545001067700	LEDHighbay-P5 200W-840-N	HID 600W	200	32000	160	4000	60°	3.7
545001067800	LEDHighbay-P5 200W-840-AS	HID 600W	200	32000	160	4000	60° x 100°	3.7
545001068800	LEDHighbay-P5 200W-857-W	HID 600W	200	32000	160	5700	100°	3.7
545001068900	LEDHighbay-P5 200W-857-N	HID 600W	200	32000	160	5700	60°	3.7
545001069000	LEDHighbay-P5 200W-857-AS	HID 600W	200	32000	160	5700	60° x 100°	3.7
545001062100	LEDHighbay-P5 240W-840-W	HID 600W	240	38400	160	4000	100°	3.7

Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Weight (kg/pc)
545001062000	LEDHighbay-P5 240W-840-N	HID 600W	240	38400	160	4000	60°	3.7
545001062200	LEDHighbay-P5 240W-840-AS	HID 600W	240	38400	160	4000	60° x 100°	3.7
545001062400	LEDHighbay-P5 240W-857-W	HID 600W	240	38400	160	5700	100°	3.7
545001062300	LEDHighbay-P5 240W-857-N	HID 600W	240	38400	160	5700	60°	3.7
545001062500	LEDHighbay-P5 240W-857-AS	HID 600W	240	38400	160	5700	60° x 100°	3.7
On-Off/High Temperature								
545001071000	LEDHighbay-P5 130W-840-W-HT	HID 400W	130	20800	160	4000	100°	3.697
545001070900	LEDHighbay-P5 130W-840-N-HT	HID 400W	130	20800	160	4000	60°	3.697
545001071100	LEDHighbay-P5 130W-840-AS-HT	HID 400W	130	20800	160	4000	60° x 100°	3.697
545001071300	LEDHighbay-P5 130W-857-W-HT	HID 400W	130	20800	160	4000	100°	3.7
545001071200	LEDHighbay-P5 130W-857-N-HT	HID 400W	130	20800	160	4000	60° x 100°	3.7
545001071400	LEDHighbay-P5 130W-857-AS-HT	HID 400W	130	20800	160	4000	60°	3.7
DALI2/Smart								
545001059700	LEDHighbay-P5 80W-DALI+BLE2-840-W	HID 250W	80	12800	160	4000	100°	2.68
545001059600	LEDHighbay-P5 80W-DALI+BLE2-840-N	HID 250W	80	12800	160	4000	60°	2.68
545001059800	LEDHighbay-P5 80W-DALI+BLE2-840-AS	HID 250W	80	12800	160	4000	60° x 100°	2.68
545001060300	LEDHighbay-P5 110W-DALI+BLE2-840-W	HID 400W	110	17600	160	4000	100°	2.68
545001060200	LEDHighbay-P5 110W-DALI+BLE2-840-N	HID 400W	110	17600	160	4000	60°	2.68
545001060400	LEDHighbay-P5 110W-DALI+BLE2-840-AS	HID 400W	110	17600	160	4000	60° x 100°	2.68
545001060900	LEDHighbay-P5 150W-DALI+BLE2-840-W	HID 400W	150	24000	160	4000	100°	3.7
545001060800	LEDHighbay-P5 150W-DALI+BLE2-840-N	HID 400W	150	24000	160	4000	60°	3.7
545001061000	LEDHighbay-P5 150W-DALI+BLE2-840-AS	HID 400W	150	24000	160	4000	60° x 100°	3.7
545001061200	LEDHighbay-P5 150W-DALI+BLE2-857-W	HID 400W	150	24000	160	5700	100°	3.7
545001061100	LEDHighbay-P5 150W-DALI+BLE2-857-N	HID 400W	150	24000	160	5700	60°	3.7
545001061300	LEDHighbay-P5 150W-DALI+BLE2-857-AS	HID 400W	150	24000	160	5700	60° x 100°	3.7
545001061500	LEDHighbay-P5 200W-DALI+BLE2-840-W	HID 600W	200	32000	160	4000	100°	3.7
545001061400	LEDHighbay-P5 200W-DALI+BLE2-840-N	HID 600W	200	32000	160	4000	60°	3.7
545001061600	LEDHighbay-P5 200W-DALI+BLE2-840-AS	HID 600W	200	32000	160	4000	60° x 100°	3.7
545001062700	LEDHighbay-P5 240W-DALI+BLE2-840-W	HID 600W	240	38400	160	4000	100°	3.7
545001062600	LEDHighbay-P5 240W-DALI+BLE2-840-N	HID 600W	240	38400	160	4000	60°	3.7
545001062800	LEDHighbay-P5 240W-DALI+BLE2-840-AS	HID 600W	240	38400	160	4000	60° x 100°	3.7

Accessories

				
543098022000 LEDFixture-IP68-Connector-Kit-5	545098000500 LEDHighbay-P4 Bracket-D330	545098003200 LEDHighbay-Pole and Adapter	543098021900 LEDFixture-IP68-Connector-Kit-5	545098003500 LEDHighbay-P4 Reflector-D330
545098000600 LEDHighbay-P4 Bracket-D420	545098003900 LEDHighbay-Pole	545098003600 LEDHighbay-P4 Reflector-D420		

Highbay Pole and Adapter (545098003200) is only compatible with 80W and 110W versions. Highbay Pole (545098003900) is only compatible with 150W, 200W and 240W versions.

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+BLE2
Finishing	Grey Pantone 417U
RAL	9022
Colour rendering index (CRI)	> 80
Degree of 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 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications
230V Cable length	1 m

Mechanical Properties

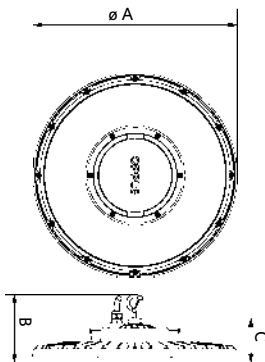
Housing material	Aluminium
Optical material	Polycarbonate
Cover material	Polycarbonate

Ambient Conditions

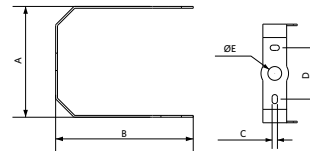
Operating temperature	-30 - 50°C
Operating temperature (HT)	30 - 70°C
Application temperature	25°C
Storage environment	-30 - 60°C



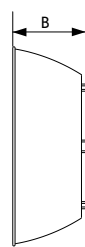
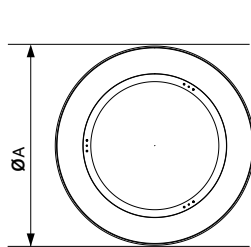
Dimensional Drawing (mm)



Type	A	B	C
80W	341	130	74
110W	341	130	74
130W	408	149	83
150W	408	149	83
200W	408	149	83
240W	408	149	83



	A	B	C	D	E
D330	158	188	9	82	22
D420	181	225	9	82	22



	A	B
D330	425	570
D420	140	210



SMART

INDOOR

OUTDOOR

LAMPS & TOOLS

TECHNICAL DATA

GLOSSARY



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 (200+240W)
- Reflectors, bracket and IP68 connector available as accessory



Specifications

Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	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



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	9022
Colour rendering index (CRI)	> 80
Degree of 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

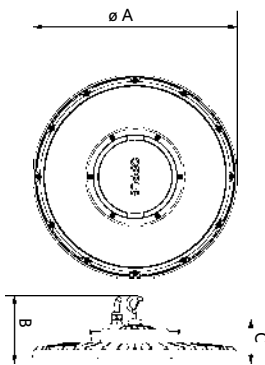
Housing material	Aluminium
Optical material	Polycarbonate
Cover material	Polycarbonate

Ambient Conditions

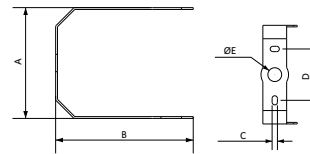
Operating temperature	-30 - 50°C
Application temperature	25°C
Storage environment	-30 - 60°C



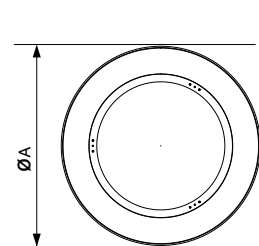
Dimensional Drawing (mm)



Type	A	B	C
80W	341	130	74
110W	341	130	74
130W	408	149	83
150W	408	149	83
200W	408	149	83
240W	408	149	83



	A	B	C	D	E
D330	158	188	9	82	22
D420	181	225	9	82	22



	A	B
D330	425	570
D420	140	210



Trunking

- Professional LED light line solution
- Simple installation with snap-in mounting of LED modules and trunks
- Very high efficacy of up to 160 lm/W
- 35W LED module with diffuser available
- Multiple beam angles (60°, 90°, 120°) and powers available
- Extra energy saving by using DALI dimmable LED modules and fully customisable DALI sensors
- Integration of 3C Spots possible with 3C Track Module accessory



Specifications

Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	Efficacy (lm/W)	Beam angle	Weight (kg/pc)
On-Off							
542005008200	LEDTrunking Module L15-35W-4000-120	TL 2x58W	35	5600	180	120°	1.64
542005006000	LEDTrunking Module L15-50W-4000-60	TL 2x80W	50	8000	180	60°	1.64
542005005900	LEDTrunking Module L15-50W-4000-90	TL 2x80W	50	8000	180	90°	1.64
542005005800	LEDTrunking Module L15-50W-4000-120	TL 2x80W	50	8000	180	120°	1.64
542005006100	LEDTrunking Module L15-50W-4000-BW	TL 2x80W	50	8000	180	Batwing	1.64
542005006400	LEDTrunking Module L15-70W-4000-60	2x TLM 140W RS	70	11200	180	60°	1.71
542005006300	LEDTrunking Module L15-70W-4000-90	2x TLM 140W RS	70	11200	180	90°	1.71
542005006200	LEDTrunking Module L15-70W-4000-120	2x TLM 140W RS	70	11200	180	120°	1.71
542005006500	LEDTrunking Module L15-70W-4000-BW	2x TLM 140W RS	70	11200	180	Batwing	1.71
DALI2							
542005008600	LEDTrunking Module L15-35W-4000-120-DALI	TL 2x58W	35	5600	180	120°	1.64
542005006800	LEDTrunking Module L15-50W-4000-60-DALI	TL 2x80W	50	8000	180	60°	1.64
542005006700	LEDTrunking Module L15-50W-4000-90-DALI	TL 2x80W	50	8000	180	90°	1.64
542005006600	LEDTrunking Module L15-50W-4000-120-DALI	TL 2x80W	50	8000	180	120°	1.64
542005006900	LEDTrunking Module L15-50W-4000-BW-DALI	TL 2x80W	50	8000	180	Batwing	1.64
542005007200	LEDTrunking Module L15-70W-4000-60-DALI	2x TLM 140W RS	70	11200	180	60°	1.71
542005007100	LEDTrunking Module L15-70W-4000-90-DALI	2x TLM 140W RS	70	11200	180	90°	1.71
542005007000	LEDTrunking Module L15-70W-4000-120-DALI	2x TLM 140W RS	70	11200	180	120°	1.71
542005007300	LEDTrunking Module L15-70W-4000-BW-DALI	2x TLM 140W RS	70	11200	180	Batwing	1.71
DALI2/Diffuser Lens							
534001000100	LEDTrunking Mod L15-35W-4000-DF-DALI-DZ	TL 2x58W	35	5250	170	120°	1.64
Emergency kit 1 hour/On-Off							
549004007010	LEDTrunk Mod L15-35W-4000-120-EM1	TL 2x58W	35	5600	180	120°	1.94
549004007210	LEDTrunk Mod L15-50W-4000-60-EM1	TL 2x80W	50	8000	180	60°	1.94
549004007610	LEDTrunk Mod L15-50W-4000-90-EM1	TL 2x80W	50	8000	180	90°	1.94
549004005510	LEDTrunk Mod L15-50W-4000-120-EM1	TL 2x80W	50	8000	180	120°	1.94

Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	Efficacy (lm/W)	Beam angle	Weight (kg/pc)
549004004110	LEDTrunk Mod L15-50W-4000-BW-EM1	TL 2x80W	50	8000	180	Batwing	1.94
549004007410	LEDTrunk Mod L15-70W-4000-60-EM1	2x TLM 140W RS	70	11200	180	60°	2.01
549004007510	LEDTrunk Mod L15-70W-4000-90-EM1	2x TLM 140W RS	70	11200	180	90°	2.01
549004007310	LEDTrunk Mod L15-70W-4000-120-EM1	2x TLM 140W RS	70	11200	180	120°	2.01
549004008010	LEDTrunk Mod L15-70W-4000-BW-EM1	2x TLM 140W RS	70	11200	180	Batwing	2.01
Emergency kit 1 hour/DALI2							
549004006910	LEDTrunk Mod L15-35W-4000-120-DALI-EM1	TL 2x58W	35	5600	180	120°	1.94
549004005610	LEDTrunk Mod L15-50W-4000-60-DALI-EM1	TL 2x80W	50	8000	180	60°	1.94
549004006310	LEDTrunk Mod L15-50W-4000-90-DALI-EM1	TL 2x80W	50	8000	180	90°	1.94
549004007110	LEDTrunk Mod L15-50W-4000-120-DALI-EM1	TL 2x80W	50	8000	180	120°	1.94
549004004210	LEDTrunk Mod L15-50W-4000-BW-DALI-EM1	TL 2x80W	50	8000	180	Batwing	1.94
549004006410	LEDTrunk Mod L15-70W-4000-60-DALI-EM1	2x TLM 140W RS	70	11200	180	60°	2.01
549004006210	LEDTrunk Mod L15-70W-4000-90-DALI-EM1	2x TLM 140W RS	70	11200	180	90°	2.01
549004006510	LEDTrunk Mod L15-70W-4000-120-DALI-EM1	2x TLM 140W RS	70	11200	180	120°	2.01
549004006110	LEDTrunk Mod L15-70W-4000-BW-DALI-EM1	2x TLM 140W RS	70	11200	180	Batwing	2.01
Emergency kit 1 hour/DALI2/Diffuser Lens							
549004010400	LEDTrunk Mod L15-35W-4000-DF-DALI-EM1-DZ	TL 2x58W	35	5250	170	120°	2.54
Emergency kit 3 hour/On-Off							
549004004610	LEDTrunk Mod L15-35W-4000-120-EM3	TL 2x58W	35	5600	180	120°	2.04
549004005910	LEDTrunk Mod L15-50W-4000-60-EM3	TL 2x80W	50	8000	180	60°	2.04
549004005710	LEDTrunk Mod L15-50W-4000-90-EM3	TL 2x80W	50	8000	180	90°	2.04
549004006810	LEDTrunk Mod L15-50W-4000-120-EM3	TL 2x80W	50	8000	180	120°	2.04
549004005810	LEDTrunk Mod L15-50W-4000-BW-EM3	TL 2x80W	50	8000	180	Batwing	2.04
549004004810	LEDTrunk Mod L15-70W-4000-60-EM3	2x TLM 140W RS	70	11200	180	60°	2.11
549004006710	LEDTrunk Mod L15-70W-4000-90-EM3	2x TLM 140W RS	70	11200	180	90°	2.11
549004006010	LEDTrunk Mod L15-70W-4000-120-EM3	2x TLM 140W RS	70	11200	180	120°	2.11
549004004010	LEDTrunk Mod L15-70W-4000-BW-EM3	2x TLM 140W RS	70	11200	180	Batwing	2.11
Emergency kit 3 hour/DALI2							
549004004510	LEDTrunk Mod L15-35W-4000-120-DALI-EM3	TL 2x58W	35	5600	180	120°	2.04
549004005310	LEDTrunk Mod L15-50W-4000-60-DALI-EM3	TL 2x80W	50	8000	180	60°	2.04
549004005410	LEDTrunk Mod L15-50W-4000-90-DALI-EM3	TL 2x80W	50	8000	180	90°	2.04
549004006610	LEDTrunk Mod L15-50W-4000-120-DALI-EM3	TL 2x80W	50	8000	180	120°	2.04
549004005210	LEDTrunk Mod L15-50W-4000-BW-DALI-EM3	TL 2x80W	50	8000	180	Batwing	2.04
549004004910	LEDTrunk Mod L15-70W-4000-60-DALI-EM3	2x TLM 140W RS	70	11200	180	60°	2.11
549004005010	LEDTrunk Mod L15-70W-4000-90-DALI-EM3	2x TLM 140W RS	70	11200	180	90°	2.11
549004005110	LEDTrunk Mod L15-70W-4000-120-DALI-EM3	2x TLM 140W RS	70	11200	180	120°	2.11
549004004710	LEDTrunk Mod L15-70W-4000-BW-DALI-EM3	2x TLM 140W RS	70	11200	180	Batwing	2.11
Emergency kit 3 hour/DALI2/Diffuser Lens							
549004010500	LEDTrunk Mod L15-35W-4000-DF-DALI-EM3-DZ	TL 2x58W	35	5250	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



542098004600
LEDTrunking Sensor Probe L



542098011000
LEDTrunking Cover End Cap



542098003000
LEDTrunking Cable Gland



821017003200
LEDSmart-BLE2-DALI-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



821011002600
LEDSmart-BLE2-DALI-Connect-Box

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	9016
Colour rendering index (CRI)	> 80
Degree of 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

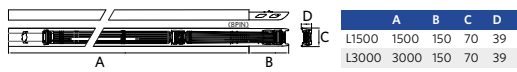
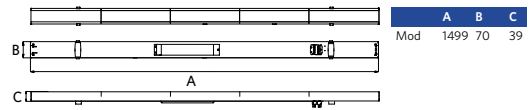
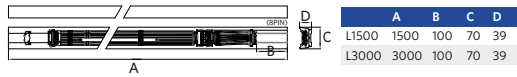
Housing material	Steel
Optical material	PMMA / PC

Ambient Conditions

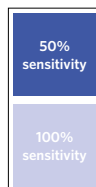
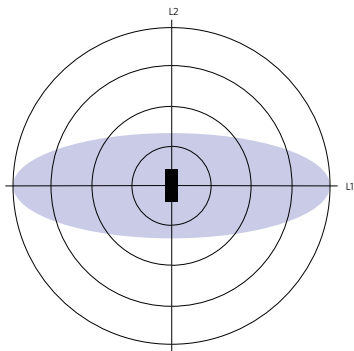
Operating temperature	-25 - 40°C
Application temperature	25°C
Storage environment	-25 - 50°C



Dimensional Drawing (mm)



Motion Sensors



Installation height (m)	Sensor Probe L (m) (L1xL2)	Sensor Probe H (m) (LxL2)
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



Waterproof Special

- 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



Specifications

Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
On-Off							
543022021100	LEDWaterproof SE-P L1250-24W-840-IP69K	TL 1x36W	24	3240	135	4000	1.71
543022021200	LEDWaterproof SE-P L1250-45W-840-IP69K	TL 2x36W	45	6075	135	4000	1.71
543022021300	LEDWaterproof SE-P L1550-34W-840-IP69K	TL 1x58W	34	4590	135	4000	1.98
543022021400	LEDWaterproof SE-P L1550-54W-840-IP69K	TL 2x58W	54	7290	135	4000	1.98

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	7035
Colour rendering index (CRI)	> 80
Degree of 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 diameter	1mm ² - 2.5mm ²
Internal wiring (mm ²)	3x2.5 mm ²
Max. input cable diameter (mm)	4 - 11 mm

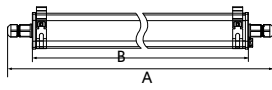
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix
	Connection Specifications

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

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

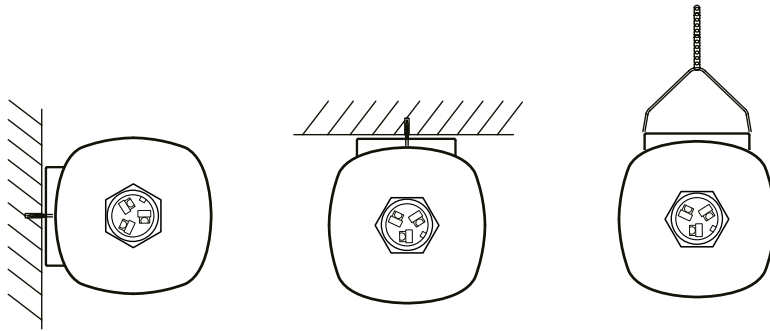


Dimensional Drawing (mm)



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

Installation Possibilities





Waterproof Performer G4

- Powerful range of waterproof luminaires in specific “sealed for life” design
- High efficacy of 150 lm/w
- Available as Smart Lighting solution (BLE2) and DALI2
- Quick installation thanks to its screwless endcap
- Supplied with vandal-proof stainless steel ceiling and suspension clips
- 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)	Max. power (W)	Lumen	CCT (K)	Internal wiring (mm ²)	Max. input cable diameter (mm)	Weight (kg/pc)
On-Off								
711000007500	LEDWaterproof-P4 L648-12W-840	TL 1x18W	12	1800	4000	3x2.5	7 - 11	0.74
711000007600	LEDWaterproof-P4 L648-24W-840	TL 2x18W	24	3600	4000	3x2.5	7 - 11	0.74
711000007700	LEDWaterproof-P4 L1208-24W-840	TL 1x36W	24	3600	4000	3x2.5	7 - 11	1.08
711000007800	LEDWaterproof-P4 L1208-38W-840	TL 2x36W	38	5700	4000	3x2.5	7 - 11	1.08
711000007200	LEDWaterproof-P4 L1208-38W-840-PLUS	TL 2x36W	38	5700	4000	5x2.5	8 - 14	1.08
711000007900	LEDWaterproof-P4 L1208-38W-865	TL 2x36W	38	5700	6500	3x2.5	7 - 11	1.08
711000008000	LEDWaterproof-P4 L1489-31W-840	TL 1x58W	31	4650	4000	3x2.5	7 - 11	1.21
711000007300	LEDWaterproof-P4 L1489-31W-840-PLUS	TL 1x58W	31	4650	4000	5x2.5	8 - 14	1.21
711000008100	LEDWaterproof-P4 L1489-47W-840	TL 2x58W	47	7050	4000	3x2.5	7 - 11	1.21
711000008200	LEDWaterproof-P4 L1489-54W-840	TL 2x58W	54	8100	4000	3x2.5	7 - 11	1.21
711000007400	LEDWaterproof-P4 L1489-54W-840-PLUS	TL 2x58W	54	8100	4000	5x2.5	8 - 14	1.21
711000008300	LEDWaterproof-P4 L1489-54W-865	TL 2x58W	54	8100	6500	3x2.5	7 - 11	1.21
711000008400	LEDWaterproof-P4 L1489-70W-840	TL 2x80W	70	10500	4000	3x2.5	7 - 11	1.21
711000008500	LEDWaterproof-P4 L1489-85W-840	2x TLM 140W RS	85	12750	4000	3x2.5	7 - 11	1.21
DALI2								
711000005700	LEDWaterproof-P4 L648-24W-DALI-840	TL 2x18W	24	3600	4000	5x2.5	8 - 14	0.74
711000006100	LEDWaterproof-P4 L1208-36W-DALI-840	TL 2x36W	36	5400	4000	5x2.5	8 - 14	1.08
711000005900	LEDWaterproof-P4 L1489-31W-DALI-840	TL 1x58W	31	4650	4000	5x2.5	8 - 14	1.21
711000006200	LEDWaterproof-P4 L1489-51W-DALI-840	TL 2x58W	51	7650	4000	5x2.5	8 - 14	1.21
Smart								
711000006600	LEDWaterproof-P4 L1208-24W-BLE2-840	TL 1x36W	24	3600	4000	3x2.5	7 - 11	1.08
711000006800	LEDWaterproof-P4 L1208-36W-BLE2-840	TL 2x36W	36	5400	4000	3x2.5	7 - 11	1.08
711000007100	LEDWaterproof-P4 L1489-31W-BLE2-840	TL 1x58W	31	4650	4000	3x2.5	7 - 11	1.21
711000006900	LEDWaterproof-P4 L1489-51W-BLE2-840	TL 2x58W	51	7650	4000	3x2.5	7 - 11	1.21
Emergency kit 1 hour/On-Off								
711000008800	LEDWaterproof-P4 L1208-24W-840-EM1	TL 1x36W	24	3600	4000	4x2.5	7 - 11	1.98
711000009000	LEDWaterproof-P4 L1208-38W-840-EM1	TL 2x36W	38	5700	4000	4x2.5	7 - 11	1.98

Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	CCT (K)	Internal wiring (mm ²)	Max. input cable diameter (mm)	Weight (kg/pc)
711000010200	LEDWaterproof-P4 L1208-38W-840-PLUS-EM1	TL 2x36W	38	5700	4000	5x2.5	8 - 14	1.98
711000009200	LEDWaterproof-P4 L1208-38W-865-EM1	TL 2x36W	38	5700	6500	4x2.5	7 - 11	1.98
711000009400	LEDWaterproof-P4 L1489-31W-840-EM1	TL 1x58W	31	4650	4000	4x2.5	7 - 11	2.11
711000010400	LEDWaterproof-P4 L1489-31W-840-PLUS-EM1	TL 1x58W	31	4650	4000	5x2.5	8 - 14	2.11
711000009600	LEDWaterproof-P4 L1489-47W-840-EM1	TL 2x58W	47	7050	4000	4x2.5	7 - 11	2.11
711000009800	LEDWaterproof-P4 L1489-54W-840-EM1	TL 2x58W	54	8100	4000	4x2.5	7 - 11	2.11
711000010600	LEDWaterproof-P4 L1489-54W-840-PLUS-EM1	TL 2x58W	54	8100	4000	5x2.5	8 - 14	2.11
711000010000	LEDWaterproof-P4 L1489-54W-865-EM1	TL 2x58W	54	8100	6500	4x2.5	7 - 11	2.11
Emergency kit 3 hour/On-Off								
711000008900	LEDWaterproof-P4 L1208-24W-840-EM3	TL 1x36W	24	3600	4000	4x2.5	7 - 11	2.08
711000009100	LEDWaterproof-P4 L1208-38W-840-EM3	TL 2x36W	38	5700	4000	4x2.5	7 - 11	2.08
711000010300	LEDWaterproof-P4 L1208-38W-840-PLUS-EM3	TL 2x36W	38	5700	4000	5x2.5	8 - 14	2.08
711000009300	LEDWaterproof-P4 L1208-38W-865-EM3	TL 2x36W	38	5700	6500	4x2.5	7 - 11	2.08
711000009500	LEDWaterproof-P4 L1489-31W-840-EM3	TL 1x58W	31	4650	4000	4x2.5	7 - 11	2.21
711000010500	LEDWaterproof-P4 L1489-31W-840-PLUS-EM3	TL 1x58W	31	4650	4000	5x2.5	8 - 14	2.21
711000009700	LEDWaterproof-P4 L1489-47W-840-EM3	TL 2x58W	47	7050	4000	4x2.5	7 - 11	2.21
711000009900	LEDWaterproof-P4 L1489-54W-840-EM3	TL 2x58W	54	8100	4000	4x2.5	7 - 11	2.21
711000010700	LEDWaterproof-P4 L1489-54W-840-PLUS-EM3	TL 2x58W	54	8100	4000	5x2.5	8 - 14	2.21
711000010100	LEDWaterproof-P4 L1489-54W-865-EM3	TL 2x58W	54	8100	6500	4x2.5	7 - 11	2.21

DALI2 versions are compatible with central emergency lighting according to EN 50172.

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

Emergency lighting for BLE/DALI versions available on request.

Technical Specifications	
Lifetime (L70)	100,000 h
Lifetime (L80)	80,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	On-Off / DALI2 / BLE2
Beam angle	120°
Finishing	Grey RAL 7035
RAL	7035
Colour rendering index (CRI)	> 80
Degree of 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)	< 1.0%
Power factor	> 0.9
Input wire diameter	1mm ² - 2.5mm ²

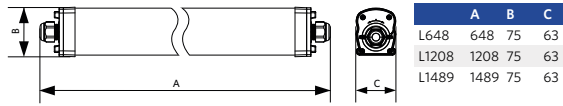
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

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

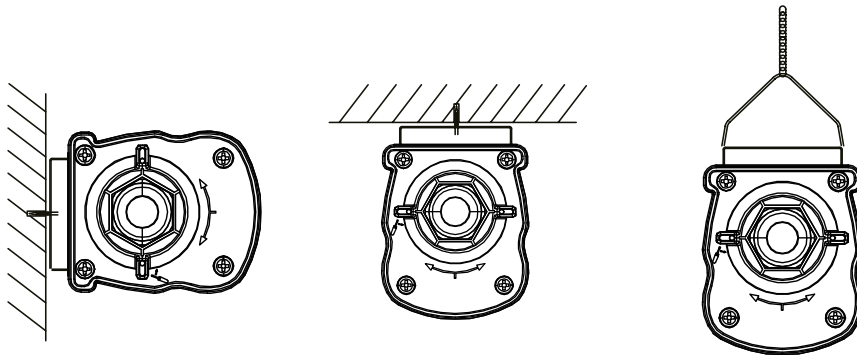
Ambient Conditions	
Operating temperature	-30 - 45°C
Application temperature	25°C
Storage environment	-30 - 50°C



Dimensional Drawing (mm)



Installation Possibilities





PRESCAU
MILANO - N. 101 1 800 8 00 00

SMART

INDOOR

OUTDOOR

LAMPS & TOOLS

TECHNICAL DATA

GLOSSARY



**NEW
VERSIONS**

Waterproof Classic G2

- NEW: DALI and BLE 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 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

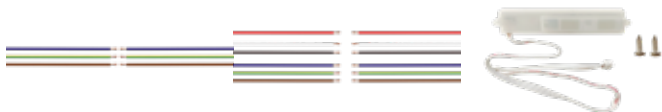


Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	CCT (K)	Weight (kg/pc)
On-Off						
531000013000	LEDWP-CLA-P2 L600-10/18W-840	TL 1/2x18W	10 - 18	1500 - 2700	4000	0.81
531000013100	LEDWP-CLA-P2 L1200-18W-840	TL 1x36W	18	2700	4000	1.23
531000013200	LEDWP-CLA-P2 L1200-18/36W-840	TL 1/2x36W	18 - 36	2700 - 5400	4000	1.23
531000013300	LEDWP-CLA-P2 L1500-24W-840	TL 1x58W	24	3600	4000	1.55
531000013400	LEDWP-CLA-P2 L1500-24/44W-840	TL 1/2x58W	24 - 44	3600 - 6600	4000	1.55
531000013500	LEDWP-CLA-P2 L1500-44/56W-840	TL 2x58W	44 - 56	6600 - 8400	4000	1.55
DALI2						
531000013600	LEDWP-CLA-P2 L600-18W-840-DALI	TL 1x36W	18	2700	4000	0.84
531000013800	LEDWP-CLA-P2 L1200-36W-840-DALI	TL 2x36W	36	5400	4000	1.33
531000014000	LEDWP-CLA-P2 L1500-44W-840-DALI	TL 2x58W	44	6600	4000	1.65
531000014100	LEDWP-CLA-P2 L1500-56W-840-DALI	TL 2x58W	56	8400	4000	1.65
Smart						
531000014200	LEDWP-CLA-P2 L600-18W-840-BLE2	TL 1x36W	18	2700	4000	0.79
531000014400	LEDWP-CLA-P2 L1200-36W-840-BLE2	TL 2x36W	36	5400	4000	1.28
531000014600	LEDWP-CLA-P2 L1500-44W-840-BLE2	TL 2x58W	44	6600	4000	1.6
531000014700	LEDWP-CLA-P2 L1500-56W-840-BLE2	TL 2x58W	56	8400	4000	1.6
Motion Detection/Daylight Detection						
531000014800	LEDWP-CLA-P2 L600-10/18W-840-MD	TL 1/2x18W	10 - 18	1500 - 2700	4000	0.76
531000015000	LEDWP-CLA-P2 L1200-18/36W-840-MD	TL 1/2x36W	18 - 36	2700 - 5400	4000	1.25
531000015200	LEDWP-CLA-P2 L1500-24/44W-840-MD	TL 1/2x58W	24 - 44	3600 - 6600	4000	1.57
531000015300	LEDWP-CLA-P2 L1500-44/56W-840-MD	TL 2x58W	44 - 56	6600 - 8400	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	4000	0.86
Emergency kit 1 hour/DALI2						
531000016000	LEDWP-CLA-P2 L600-18W-840-DALI-EM1	TL 1x36W	18	2700	4000	0.96

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	CCT (K)	Weight (kg/pc)
Emergency kit 1 hour/Smart						
531000016600	LEDWP-CLA-P2 L600-18W-840-BLE2-EM1	TL 1x36W	18	2700	4000	0.91
Emergency kit 3 hour/On-Off						
531000015600	LEDWP-CLA-P2 L1200-18/36W-840-EM3	TL 1/2x36W	18 - 36	2700 - 5400	4000	1.54
531000015800	LEDWP-CLA-P2 L1500-24/44W-840-EM3	TL 1/2x58W	24 - 44	3600 - 6600	4000	1.86
531000015900	LEDWP-CLA-P2 L1500-44/56W-840-EM3	TL 2x58W	44 - 56	6600 - 8400	4000	1.86
Emergency kit 3 hour/DALI2						
531000016200	LEDWP-CLA-P2 L1200-36W-840-DALI-EM3	TL 2x36W	36	5400	4000	1.64
531000016400	LEDWP-CLA-P2 L1500-44W-840-DALI-EM3	TL 2x58W	44	6600	4000	1.96
531000016500	LEDWP-CLA-P2 L1500-56W-840-DALI-EM3	TL 2x58W	56	8400	4000	1.96
Emergency kit 3 hour/Smart						
531000016800	LEDWP-CLA-P2 L1200-36W-840-BLE2-EM3	TL 2x36W	36	5400	4000	1.59
531000017000	LEDWP-CLA-P2 L1500-44W-840-BLE2-EM3	TL 2x58W	44	6600	4000	1.91
531000017100	LEDWP-CLA-P2 L1500-56W-840-BLE2-EM3	TL 2x58W	56	8400	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	4000	1.56
531000017600	LEDWP-CLA-P2 L1500-24/44W-840-MD-EM3	TL 1/2x58W	24 - 44	3600 - 6600	4000	1.88
531000017700	LEDWP-CLA-P2 L1500-44/56W-840-MD-EM3	TL 2x58W	44 - 56	6600 - 8400	4000	1.88

Accessories



531098002500
LEDWP-CLA-P2 Wi-
rethrough-Kit

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

531098002700
LEDWP-CLA-P2 Sensor-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 / 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	7035
Colour rendering index (CRI)	> 80
Degree of 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 diameter	1mm ² - 2.5mm ²
Internal wiring (mm ²)	3x2.5 / 5x2.5 mm ²
Max. input cable diameter (mm)	5 - 11 mm

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
Mounting clips	Stainless steel

Ambient Conditions

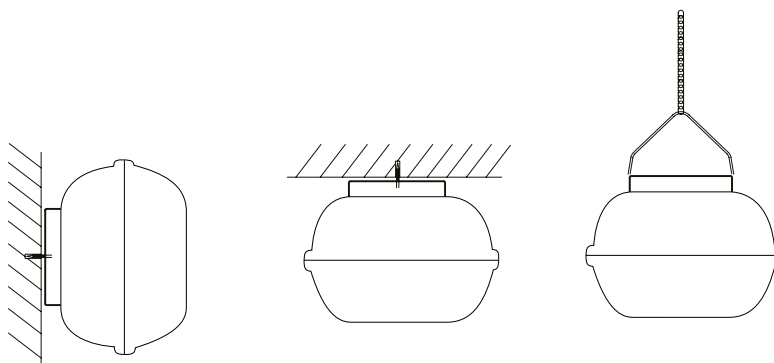
Operating temperature	-20 - 45°C
Application temperature	25°C
Storage environment	-30 - 60°C



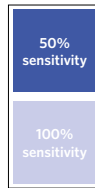
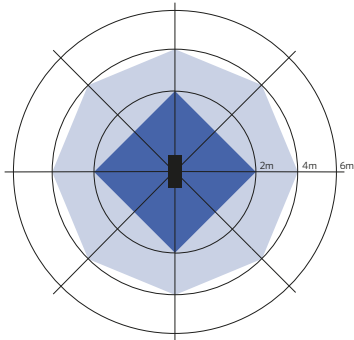
Dimensional Drawing (mm)

	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



Waterproof EcoMax G3

- Waterproof luminaire in “sealed-for-life” concept
- Improved efficacy up to 150 lm/W
- Improved installation due to new twist-and-lock endcap
- Power switch versions available
- New high output version with 8,250lm output
- 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	CCT (K)	Weight (kg/pc)
On-Off						
531000012100	LEDWaterproof-E3 L600-10/19W-840	TL 1/2x18W	10 - 19	1400 - 2660	4000	0.51
531000012500	LEDWaterproof-E3 L1200-17W-840	TL 1x36W	17	2380	4000	0.81
531000012600	LEDWaterproof-E3 L1200-19/35W-840	TL 1/2x36W	19 - 35	2660 - 4900	4000	0.83
531000012700	LEDWaterproof-E3 L1200-19/35W-865	TL 1/2x36W	19 - 35	2660 - 4900	6500	0.83
531000012200	LEDWaterproof-E3 L1500-25W-840	TL 1x58W	25	3500	4000	0.96
531000012800	LEDWaterproof-E3 L1500-25/47W-840	TL 1/2x58W	25 - 47	3500 - 6580	4000	1
531000012900	LEDWaterproof-E3 L1500-25/47W-865	TL 1/2x58W	25 - 47	3500 - 6580	6500	1
531000012300	LEDWaterproof-E3 L1500-44/55W-840	TL 1/2x58W	44 - 55	6600 - 8250	4000	0.97
531000012400	LEDWaterproof-E3 L1500-44/55W-865	TL 1/2x58W	44 - 55	6600 - 8250	6500	0.97

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	7035
Colour rendering index (CRI)	> 80
Degree of 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)	< 0.1%
Power factor	> 0.9
Input wire diameter	1mm ² - 2.5mm ²
Internal wiring (mm ²)	3x2.5 mm ²
Max. input cable diameter (mm)	7 - 11.5 mm

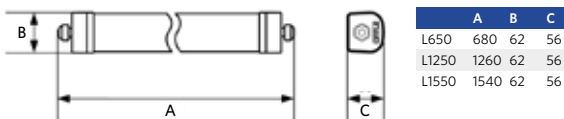
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications

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

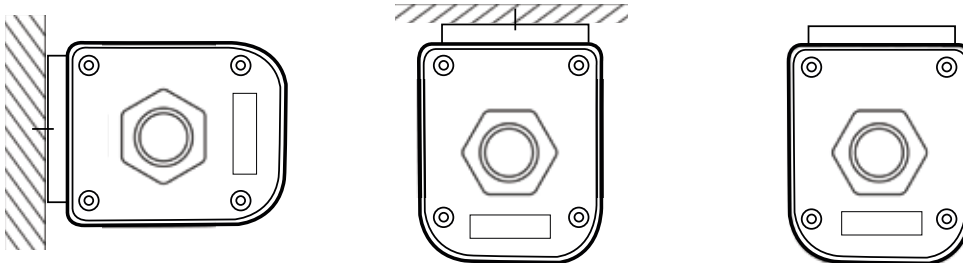
Ambient Conditions	
Operating temperature	-20 - 45°C
Application temperature	25°C
Storage environment	-30 - 60°C



Dimensional Drawing (mm)



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)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
On-Off							
711000004600	LEDWaterproof-B2 L1200-36W-840	TL 2x36W	36	4680	130	4000	0.66
711000004500	LEDWaterproof-B2 L1200-36W-865	TL 2x36W	36	4680	130	6500	0.66
711000005000	LEDWaterproof-B2 L1500-50W-840	TL 2x58W	50	6500	130	4000	0.82
711000004900	LEDWaterproof-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	7035
Colour rendering index (CRI)	> 80
Degree of 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 diameter	1mm ² - 2.5mm ²
Internal wiring (mm ²)	3x1.5 mm ²
Max. input cable diameter (mm)	5 - 9 mm

Electrical Supply

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

Mechanical Properties

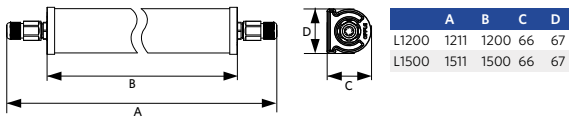
Housing material	Plastic
Optical material	Polycarbonate
Mounting clips	Stainless steel

Ambient Conditions

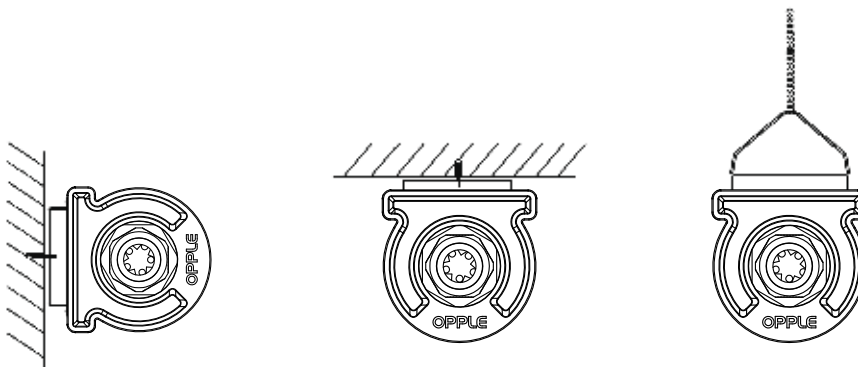
Operating temperature	-20 - 45°C
Application temperature	25°C
Storage environment	-30 - 50°C



Dimensional Drawing (mm)



Installation Possibilities





Waterproof Classic Housing

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

IK08

IP65

Specifications

Item Code	Item Description	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

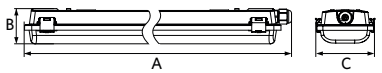
Technical Specifications	
Beam angle	120°
Finishing	Grey RAL 7035
RAL	7035
Degree of protection (IP)	IP65
Impact strength (IK)	IK08
Input wire diameter	1mm ² - 2.5mm ²
Internal wiring (mm ²)	3x2.5 mm ²
Max. input cable diameter (mm)	7 - 11.5 mm

Electrical Supply	
Nominal voltage	220 - 240 V
DC input voltage	No

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

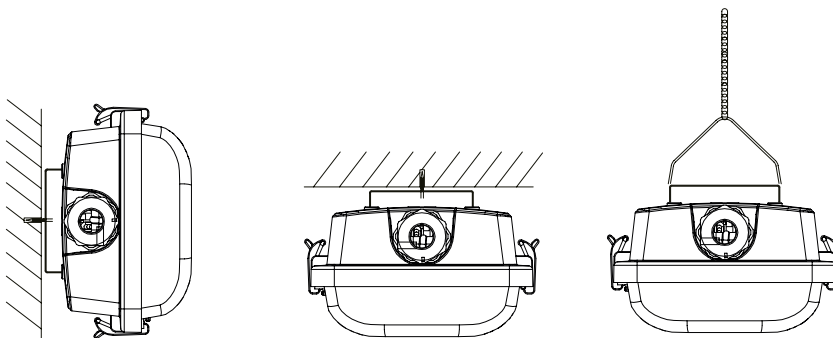


Dimensional Drawing (mm)



	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







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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)	Max. power (W)	Lumen	CCT (K)	Beam angle	Weight (kg/pc)	Required pole adapter
On-Off								
705000095800	LEDRoad-St-P2 Re488-20W-730	HID 50W	20	3000	3000	143° x 70°	4.1	 Pole Adapter-Road-St-P2-60mm OR  Pole Adapter-Road-St-P2-76mm
705000095900	LEDRoad-St-P2 Re488-20W-740	HID 50W	20	3000	4000	143° x 70°	4.1	
705000098900	LEDRoad-St-P2 Re488-20W-730-XAS	HID 50W	20	3000	3000	160° x 93°	4.1	
705000099000	LEDRoad-St-P2 Re488-20W-740-XAS	HID 50W	20	3000	4000	160° x 93°	4.1	
705000096400	LEDRoad-St-P2 Re488-40W-730	HID 70W	40	6000	3000	143° x 70°	4.1	
705000096500	LEDRoad-St-P2 Re488-40W-740	HID 70W	40	6000	4000	143° x 70°	4.1	
705000097900	LEDRoad-St-P2 Re488-40W-730-XAS	HID 70W	40	6000	3000	160° x 93°	4.1	
705000098000	LEDRoad-St-P2 Re488-40W-740-XAS	HID 70W	40	6000	4000	160° x 93°	4.1	
705000067400	LEDRoad-St-P2 Re488-60W-730	HID 100W	60	9000	3000	143° x 70°	4.3	
705000068800	LEDRoad-St-P2 Re488-60W-740	HID 100W	60	9000	4000	143° x 70°	4.3	
705000066800	LEDRoad-St-P2 Re488-80W-730	HID 150W	80	12000	3000	143° x 70°	4.3	
705000068000	LEDRoad-St-P2 Re488-80W-740	HID 150W	80	12000	4000	143° x 70°	4.3	
705000068200	LEDRoad-St-P2 Re587-120W-730	HID 150W	120	18000	3000	143° x 70°	6.7	
705000066600	LEDRoad-St-P2 Re587-120W-740	HID 150W	120	18000	4000	143° x 70°	6.7	
705000067700	LEDRoad-St-P2 Re587-150W-730	HID 250W	150	22500	3000	143° x 70°	6.7	
705000068100	LEDRoad-St-P2 Re587-150W-740	HID 250W	150	22500	4000	143° x 70°	6.7	
DALI2/D4i								
705000096000	LEDRoad-St-P2 Re488-20W-DALI-730	HID 50W	20	3000	3000	143° x 70°	4.1	
705000096100	LEDRoad-St-P2 Re488-20W-DALI-740	HID 50W	20	3000	4000	143° x 70°	4.1	
705000098800	LEDRoad-St-P2 Re488-20W-DALI-730-XAS	HID 50W	20	3000	3000	160° x 93°	4.1	
705000098700	LEDRoad-St-P2 Re488-20W-DALI-740-XAS	HID 50W	20	3000	4000	160° x 93°	4.1	
705000096600	LEDRoad-St-P2 Re488-40W-DALI-730	HID 70W	40	6000	3000	143° x 70°	4.1	
705000096700	LEDRoad-St-P2 Re488-40W-DALI-740	HID 70W	40	6000	4000	143° x 70°	4.1	
705000098100	LEDRoad-St-P2 Re488-40W-DALI-730-XAS	HID 70W	40	6000	3000	160° x 93°	4.1	
705000098200	LEDRoad-St-P2 Re488-40W-DALI-740-XAS	HID 70W	40	6000	4000	160° x 93°	4.1	
705000068600	LEDRoad-St-P2 Re488-60W-DALI-730	HID 100W	60	9000	3000	143° x 70°	4.3	

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



Pole Adapter-Road-St-P2-60mm



Pole Adapter-Road-St-P2-76mm

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

Technical Specifications

Lifetime (L80)	100,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	5
Dimmability	On-Off / DALI2
Maximum tilt angle	15°
Finishing	Grey RAL 870-3
RAL	870
Colour rendering index (CRI)	> 70
Degree of 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

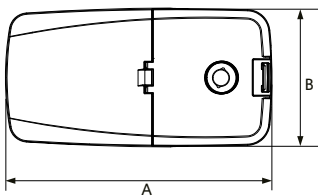
Housing material	Aluminium
Optical material	Polycarbonate
Effective wind area	1300 / 1800 mm ²
Coastal proof	Yes

Ambient Conditions

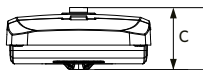
Operating temperature	-25 - 45°C
Application temperature	25°C
Storage environment	-40 - 60°C



Dimensional Drawing (mm)



	A	B	C
Re488	488	255	100
Re488 Zhaga	488	255	112
Re489	489	255	116
Re489 Zhaga	489	255	127
Re588	588	306	119
Re588 Zhaga	588	306	130





SMART

INDOOR

OUTDOOR

LAMPS & TOOLS

TECHNICAL DATA

GLOSSARY



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)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
On-Off							
705000021300	LEDRoadlight-E 80W-3000	HID 150W	80	9500	118	3000	3.27
705000021800	LEDRoadlight-E 80W-4000	HID 150W	80	10000	125	4000	3.27
705000021400	LEDRoadlight-E 100W-3000	HID 150W	100	11600	116	3000	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



599000004600
LEDStreet-SE-Extension-Cable-6m



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

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	870
Colour rendering index (CRI)	> 80
Degree of 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

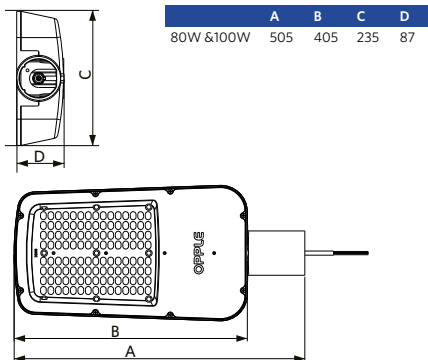
Housing material	Aluminium
Optical material	Polycarbonate
Effective wind area	900 mm ²
Coastal proof	Yes

Ambient Conditions

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



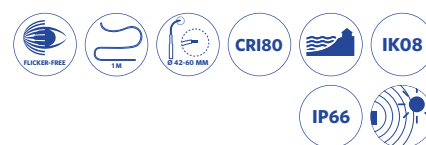
Dimensional Drawing (mm)





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)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	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



59900004600
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
Sensor type	No sensor / Daylight detection (DD)
Sensor technology	No sensor / Illumination sensor
Beam angle	145° x 80°
Finishing	Grey RAL 870-3
RAL	870
Colour rendering index (CRI)	> 80
Degree of 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

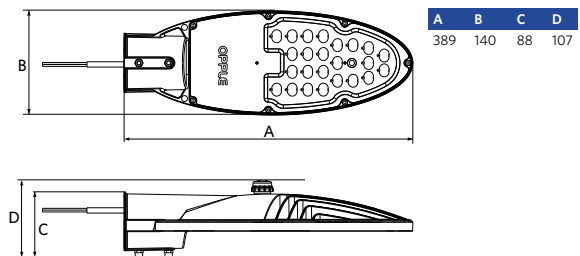
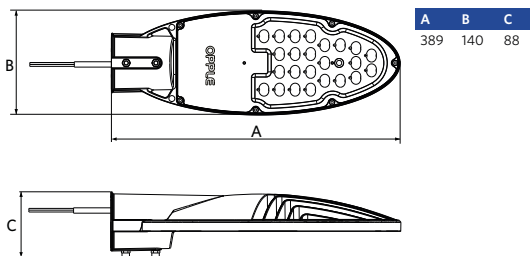
Housing material	Aluminium
Optical material	Polycarbonate
Effective wind area	400 mm ²
Coastal proof	Yes

Ambient Conditions

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



Dimensional Drawing (mm)





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 versions available for 33W and 50W
- 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)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	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)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	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

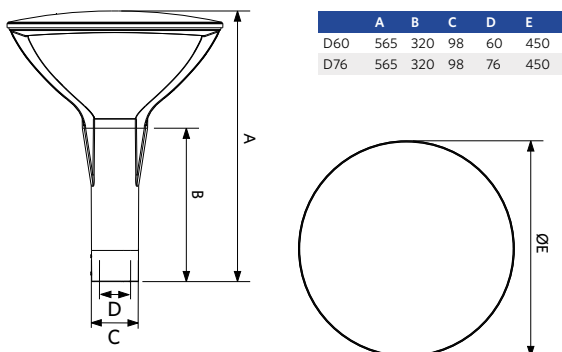


599000004600
LEDStreet-SE-Extension-
Cable-6m

Technical Specifications		Electrical Supply	
Lifetime (L70)	100,000 h	Frequency	50 Hz
Lifetime (L80)	70,000 h	Nominal voltage	220 - 240 V
On-/Off-cycles	100,000	DC input voltage	See catalogue appendix
Colour consistency (SDCM)	5	Connection	Connection Specifications
Dimmability	On-Off / DALI2		
Finishing	Grey RAL 870-3	Mechanical Properties	
Colour rendering index (CRI)	> 70	Housing material	Aluminium
Degree of protection (IP)	IP66	Optical material	Polycarbonate
Impact strength (IK)	IK08	Cover material	Tempered glass
Protection class	I	Effective wind area	1590 mm ²
Risk group (EN 62471)	RG0	Coastal proof	Yes
With control gear	Yes	Ambient Conditions	
Glow wire test	850°C	Operating temperature	-30 - 50°C
Driver failure rate (at 5,000 hrs)	< 0.5%	Application temperature	25°C
Power factor	> 0.9	Storage environment	-40 - 60°C
Surge protection (kV)	10kV		



Dimensional Drawing (mm)





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 Walllight
- 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)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
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



703000006200
LEDBollard-Leo-P Concrete-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
RAL	9004
Colour rendering index (CRI)	> 80
Degree of 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

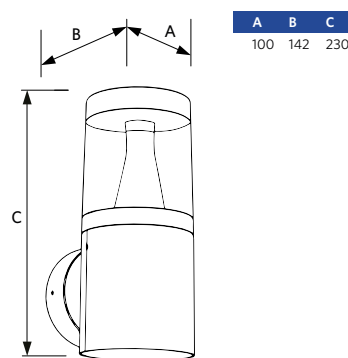
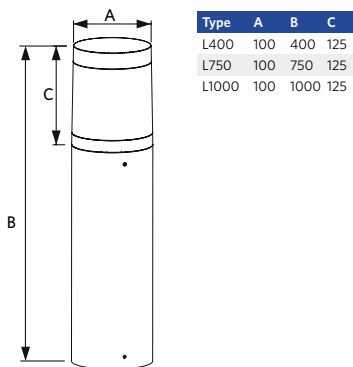
Housing material	Aluminium
Optical material	Polycarbonate
Cover material	Polycarbonate
Coastal proof	Yes

Ambient Conditions

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



Dimensional Drawing (mm)





Bollard Performer

- Professional urban landscape luminaire with discreet design
- Special optics to reduce glare to pedestrians
- Available in two heights (0.6m and 0.9m)
- Die casted aluminium body for optimal heat dissipation
- Safe installation thanks to the included anti vandal screws
- Easy to install thanks to its ground plate threaded design
- Suitable for use on coastal applications



Specifications

Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
On-Off							
543012002500	LEDBollard-P L600-10.5W-3000-W	CFL 1x32W	10.5	900	85	3000	2.945
543012002900	LEDBollard-P L600-10.5W-4000-W	CFL 1x32W	10.5	1000	95	4000	2.945
543012002600	LEDBollard-P L900-10.5W-3000-W	CFL 1x32W	10.5	900	85	3000	3.735
543012003000	LEDBollard-P L900-10.5W-4000-W	CFL 1x32W	10.5	1000	95	4000	3.735

Accessories



599000004600
LEDStreet-SE-Extension-
Cable-6m



703098000100
LEDBollard Concre-
te-Mounting-Kit

Technical Specifications

Lifetime (L70)	50,000 h
Lifetime (L80)	35,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	On-Off
Beam angle	230°
Finishing	Grey RAL 870-3
Colour rendering index (CRI)	> 80
Degree of 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)	4kV

Electrical Supply

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

Mechanical Properties

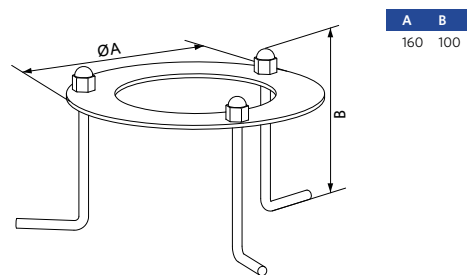
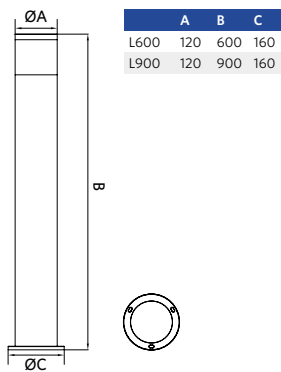
Housing material	Aluminium
Optical material	Polycarbonate
Cover material	Polycarbonate
Coastal proof	Yes

Ambient Conditions

Operating temperature	-20 - 45°C
Application temperature	25°C
Storage environment	-40 - 60°C



Dimensional Drawing (mm)





Bollard Luke

- Architectural urban landscape luminaire for outdoor applications
- Modern LED module design, with downward facing luminous circle
- Available in two heights (0.5m and 1m)
- IP65 and IK10, suitable for use on coastal applications
- Top-cover accessory standard included
- IP68 Waterproof connector included for easy wiring



Specifications

Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
On-Off							
703000003100	LEDBollard-Luke-E L500-8W-830-BL	Halogen 60W	8	600	75	3000	1.72
703000003200	LEDBollard-Luke-E L500-8W-840-BL	Halogen 60W	8	650	80	4000	1.72
703000003300	LEDBollard-Luke-E L1000-8W-830-BL	Halogen 60W	8	600	75	3000	2.72
703000003400	LEDBollard-Luke-E L1000-8W-840-BL	Halogen 60W	8	650	80	4000	2.72

Accessories



599000004600
LEDStreet-SE-Extension-
Cable-6m



703098000300
LEDBollard-Luke-E Concre-
te-Mounting-Kit

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	120°
Finishing	Black RAL 9005
Colour rendering index (CRI)	> 80
Degree of protection (IP)	IP65
Impact strength (IK)	IK10
Protection class	I
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	850°C
Driver failure rate (at 5,000 hrs)	< 1.0%
Power factor	> 0.9
Surge protection (kV)	1kV

Electrical Supply

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

Mechanical Properties

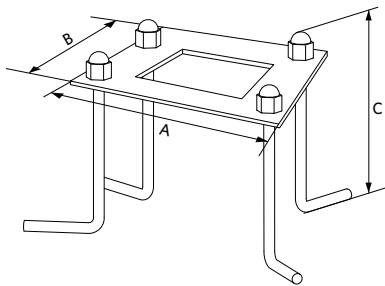
Housing material	Aluminium
Optical material	Polycarbonate
Lens material	Polycarbonate
Coastal proof	Yes

Ambient Conditions

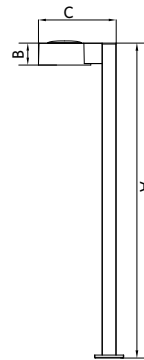
Operating temperature	-20 - 45°C
Application temperature	25°C
Storage environment	-20 - 60°C



Dimensional Drawing (mm)



A	B	C
133	78	100



	A	B	C	D	E	F
L500	500	59	208	140	133	78
L1000	1000	59	208	140	133	78





Spot Projector

- Stylish outdoor spot
- 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)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
On-Off							
709000027000	LEDSpotProjector-E Rd82-8W-830-36D	Halogen 50W	8	600	75	3000	0.72
709000027200	LEDSpotProjector-E Rd82-8W-840-36D	Halogen 50W	8	600	75	4000	0.72
709000027400	LEDSpotProjector-E Rd127-15W-830-36D	Halogen 75W	15	1200	80	3000	0.95
709000027600	LEDSpotProjector-E Rd127-15W-840-36D	Halogen 75W	15	1200	80	4000	0.95

Accessories



543098021900
LEDFixture-IP68-Connector-Kit-3



709098000200
LEDProjector-Spike

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	36°
Finishing	Matte Black
RAL	9004
Colour rendering index (CRI)	> 80
Degree of 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)	3kV

Electrical Supply

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

Mechanical Properties

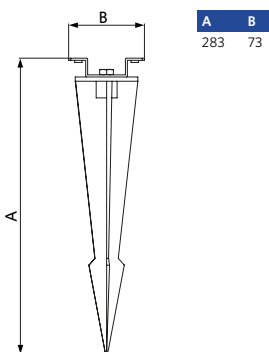
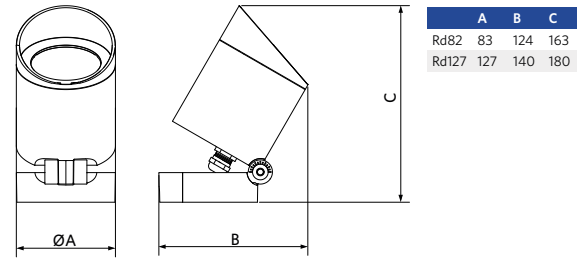
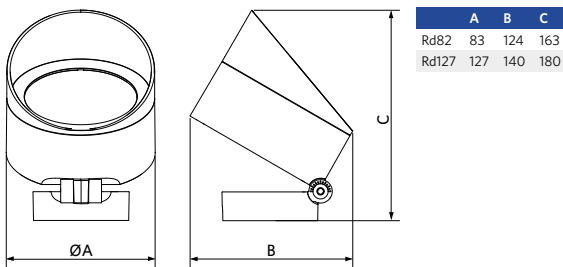
Housing material	Aluminium
Optical material	Polycarbonate

Ambient Conditions

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



Dimensional Drawing (mm)





Wall Spot

- Up and down accent lighting suitable for modern architecture
- IP65 water resistance level with strong impact protection of IK06
- Corrosion-resistant die-cast aluminium body with no visible screws (stainless steel)
- Easy loop-in and loop-out installation
- Different beam angles available via reflector accessories
- Broad applications including both commercial and residential areas
- IP65 and suitable for use on coastal applications



Specifications

Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Weight (kg/pc)
On-Off								
715000003100	LEDWallSpot-E Rd60-10W-830-24D-WH	Halogen 75W	10	750	75	3000	24°	0.6
715000002900	LEDWallSpot-E Rd60-10W-840-24D-WH	Halogen 75W	10	800	80	4000	24°	0.6
715000002800	LEDWallSpot-E Rd60-10W-830-24D-BL	Halogen 75W	10	750	75	3000	24°	0.6
715000002600	LEDWallSpot-E Rd60-10W-840-24D-BL	Halogen 75W	10	800	80	4000	24°	0.6
715000004000	LEDWallSpot-E Rd76-20W-830-36D-WH	HID 35W	20	2000	100	3000	36°	0.9
715000004100	LEDWallSpot-E Rd76-20W-840-36D-WH	HID 35W	20	2100	105	4000	36°	0.9
715000004200	LEDWallSpot-E Rd76-20W-830-36D-BL	HID 35W	20	2000	100	3000	36°	0.9
715000004300	LEDWallSpot-E Rd76-20W-840-36D-BL	HID 35W	20	2100	105	4000	36°	0.9

Accessories



715000002700
LEDWallSpot-Rd60-Reflector-60D



715000003200
LEDWallSpot-Rd76-Reflector-60D

715000003000
LEDWallSpot-Rd60-Reflector-15D

715000003300
LEDWallSpot-Rd76-Reflector-15D

Technical Specifications

Lifetime (L70)	50,000 h
Lifetime (L80)	30,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	On-Off
Colour rendering index (CRI)	> 80
Degree of protection (IP)	IP65
Impact strength (IK)	IK06
Protection class	I
Risk group (EN 62471)	RG1
With control gear	Yes
Glow wire test	650°C
Driver failure rate (at 5,000 hrs)	< 1.0%
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

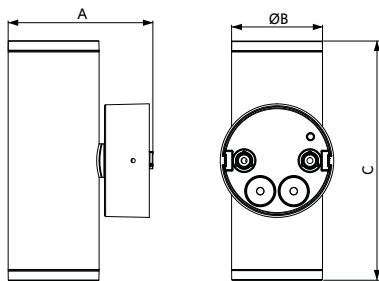
Housing material	Aluminium
Optical material	Polycarbonate
Coastal proof	Yes

Ambient Conditions

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



Dimensional Drawing (mm)



	A	B	C
Rd60	105	60	170
Rd76	121	76	200



Wall Light Lucia

- Stylish, compact and sturdy wall mounted fixture for outdoor application
- Ultra-slim with only 30mm thickness
- Aesthetic up-down lighting effect
- Elegant die-casted body design without visible screws
- Easy loop-in and loop-out installation
- IP65 and suitable for use on coastal applications



Specifications

Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
On-Off							
715000006700	LEDWall-Lucia-E Re135-6W-830-WH	Halogen 60W	6	570	95	3000	0.47
715000006500	LEDWall-Lucia-E Re135-6W-840-WH	Halogen 60W	6	600	100	4000	0.47
715000006300	LEDWall-Lucia-E Re135-6W-830-BL	Halogen 60W	6	570	95	3000	0.47
715000006100	LEDWall-Lucia-E Re135-6W-840-BL	Halogen 60W	6	600	100	4000	0.47
715000006800	LEDWall-Lucia-E Re175-10W-830-WH	Halogen 80W	10	950	95	3000	0.57
715000006600	LEDWall-Lucia-E Re175-10W-840-WH	Halogen 80W	10	1000	100	4000	0.57
715000006400	LEDWall-Lucia-E Re175-10W-830-BL	Halogen 80W	10	950	95	3000	0.57
715000006200	LEDWall-Lucia-E Re175-10W-840-BL	Halogen 80W	10	1000	100	4000	0.57

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	30° x 80°
Colour rendering index (CRI)	> 80
Degree of 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)	< 1.0%
Power factor	> 0.9

Electrical Supply

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

Mechanical Properties

Housing material	Aluminium
Optical material	Polycarbonate
Coastal proof	Yes

Ambient Conditions

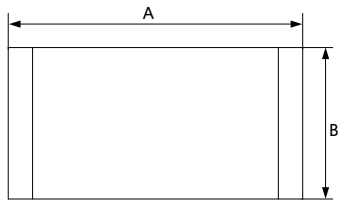
Operating temperature	-20 - 45°C
Application temperature	25°C
Storage environment	-20 - 60°C



Dimensional Drawing (mm)



	A	B	C
Re135	135	90	30
Re175	175	90	30





Floodlight Olympus

- NEW: 2 types of Visors available as accessory, to minimize lighting pollution
- Professional luminaire with die-cast aluminium body for sports and area lighting
- Flexible driver mounting methods
- Powerful range up to 192,000 lm with high efficacy up to 160lm/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 DALI dimming for further energy saving
- Equipped with breather to prevent condensation
- Aiming device for perfect alignment available as accessory



Specifications

Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
Lum-Only							
709000083400	LEDfloodOly-P Re600-600W-730-W-LUM	HID 1000W	600	90000	150	3000	15.23
709000083100	LEDfloodOly-P Re600-600W-730-N-LUM	HID 1000W	600	90000	150	3000	15.23
709000082800	LEDfloodOly-P Re600-600W-730-XN-LUM	HID 1000W	600	90000	150	3000	15.23
709000082500	LEDfloodOly-P Re600-600W-730-AS-LUM	HID 1000W	600	84000	140	3000	15.23
709000083500	LEDfloodOly-P Re600-600W-740-W-LUM	HID 1000W	600	96000	160	4000	15.23
709000083200	LEDfloodOly-P Re600-600W-740-N-LUM	HID 1000W	600	96000	160	4000	15.23
709000082900	LEDfloodOly-P Re600-600W-740-XN-LUM	HID 1000W	600	96000	160	4000	15.23
709000082600	LEDfloodOly-P Re600-600W-740-AS-LUM	HID 1000W	600	90000	150	4000	15.23
709000083600	LEDfloodOly-P Re600-600W-757-W-LUM	HID 1000W	600	96000	160	5700	15.23
709000083300	LEDfloodOly-P Re600-600W-757-N-LUM	HID 1000W	600	96000	160	5700	15.23
709000083000	LEDfloodOly-P Re600-600W-757-XN-LUM	HID 1000W	600	96000	160	5700	15.23
709000082700	LEDfloodOly-P Re600-600W-757-AS-LUM	HID 1000W	600	90000	150	5700	15.23
709000084600	LEDfloodOly-P Re600-800W-730-W-LUM	HID 1000W	800	120000	150	3000	15.23
709000084300	LEDfloodOly-P Re600-800W-730-N-LUM	HID 1000W	800	120000	150	3000	15.23
709000084000	LEDfloodOly-P Re600-800W-730-XN-LUM	HID 1000W	800	120000	150	3000	15.23
709000083700	LEDfloodOly-P Re600-800W-730-AS-LUM	HID 1000W	800	112000	140	3000	15.23
709000084700	LEDfloodOly-P Re600-800W-740-W-LUM	HID 1000W	800	128000	160	4000	15.23
709000084400	LEDfloodOly-P Re600-800W-740-N-LUM	HID 1000W	800	128000	160	4000	15.23
709000084100	LEDfloodOly-P Re600-800W-740-XN-LUM	HID 1000W	800	128000	160	4000	15.23
709000083800	LEDfloodOly-P Re600-800W-740-AS-LUM	HID 1000W	800	120000	150	4000	15.23
709000084800	LEDfloodOly-P Re600-800W-757-W-LUM	HID 1000W	800	128000	160	5700	15.23
709000084500	LEDfloodOly-P Re600-800W-757-N-LUM	HID 1000W	800	128000	160	5700	15.23
709000084200	LEDfloodOly-P Re600-800W-757-XN-LUM	HID 1000W	800	128000	160	5700	15.23
709000083900	LEDfloodOly-P Re600-800W-757-AS-LUM	HID 1000W	800	120000	150	5700	15.23

Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
709000085800	LEDfloodOly-P Re700-1000W-730-W-LUM	HID 2000W	1000	150000	150	3000	19.9
709000085500	LEDfloodOly-P Re700-1000W-730-N-LUM	HID 2000W	1000	150000	150	3000	19.9
709000085200	LEDfloodOly-P Re700-1000W-730-XN-LUM	HID 2000W	1000	150000	150	3000	19.9
709000084900	LEDfloodOly-P Re700-1000W-730-AS-LUM	HID 2000W	1000	140000	140	3000	19.9
709000085900	LEDfloodOly-P Re700-1000W-740-W-LUM	HID 2000W	1000	160000	160	4000	19.9
709000085600	LEDfloodOly-P Re700-1000W-740-N-LUM	HID 2000W	1000	160000	160	4000	19.9
709000085300	LEDfloodOly-P Re700-1000W-740-XN-LUM	HID 2000W	1000	160000	160	4000	19.9
709000085000	LEDfloodOly-P Re700-1000W-740-AS-LUM	HID 2000W	1000	150000	150	4000	19.9
709000086000	LEDfloodOly-P Re700-1000W-757-W-LUM	HID 2000W	1000	160000	160	5700	19.9
709000085700	LEDfloodOly-P Re700-1000W-757-N-LUM	HID 2000W	1000	160000	160	5700	19.9
709000085400	LEDfloodOly-P Re700-1000W-757-XN-LUM	HID 2000W	1000	160000	160	5700	19.9
709000085100	LEDfloodOly-P Re700-1000W-757-AS-LUM	HID 2000W	1000	150000	150	5700	19.9
709000087000	LEDfloodOly-P Re700-1200W-730-W-LUM	HID 2000W	1200	180000	150	3000	19.9
709000086700	LEDfloodOly-P Re700-1200W-730-N-LUM	HID 2000W	1200	180000	150	3000	19.9
709000086400	LEDfloodOly-P Re700-1200W-730-XN-LUM	HID 2000W	1200	180000	150	3000	19.9
709000086100	LEDfloodOly-P Re700-1200W-730-AS-LUM	HID 2000W	1200	168000	140	3000	19.9
709000087100	LEDfloodOly-P Re700-1200W-740-W-LUM	HID 2000W	1200	192000	160	4000	19.9
709000086800	LEDfloodOly-P Re700-1200W-740-N-LUM	HID 2000W	1200	192000	160	4000	19.9
709000086500	LEDfloodOly-P Re700-1200W-740-XN-LUM	HID 2000W	1200	192000	160	4000	19.9
709000086200	LEDfloodOly-P Re700-1200W-740-AS-LUM	HID 2000W	1200	180000	150	4000	19.9
709000087200	LEDfloodOly-P Re700-1200W-757-W-LUM	HID 2000W	1200	192000	160	5700	19.9
709000086900	LEDfloodOly-P Re700-1200W-757-N-LUM	HID 2000W	1200	192000	160	5700	19.9
709000086600	LEDfloodOly-P Re700-1200W-757-XN-LUM	HID 2000W	1200	192000	160	5700	19.9
709000086300	LEDfloodOly-P Re700-1200W-757-AS-LUM	HID 2000W	1200	180000	150	5700	19.9

Driver options

Item Code	Item Description	Weight (kg/pc)	or	Item Code	Item Description	Weight (kg/pc)
LED Driver for Bracket/Outer Pole Mounting				LED Driver for Inside Pole/Cabinet Mounting		
709098000700	FloodOly-P Driver-Box-In/Out-600W-DALI	8.57		709098000700	FloodOly-P Driver-Box-In/Out-600W-DALI	8.57
709098002900	FloodOly-P Driver-Box-Out-800W-DALI	13.24		709098003000	FloodOly-P Driver-Box-In-800W-DALI	9
709098000800	FloodOly-P Driver-Box-Out-1000W-DALI	13.4		709098001400	FloodOly-P Driver-Box-In-1000W-DALI	9.1
709098000900	FloodOly-P Driver-Box-Out-1200W-DALI	15.94		709098001500	FloodOly-P Driver-Box-In-1200W-DALI	11.75

Accessories

			
709098001600 FloodOly-P Mounting-Kit-Out-Pole	709098001800 FloodOly-P Aiming-Device	709098003200 FloodOly-P Visor-Fixed-AS-Side-1Mod	709098003300 FloodOly-P Visor-Fixed-XN/N/W-1Mod

FloodOly-P Aiming-Device (709098001800) delivered including battery (1x CR123AW). FloodOly-P Mounting-Kit-Out-Pole (709098001600) suitable for light pole diameter 280-310mm. 600/800W luminaires require two visor accessories, 1000W luminaires require three visor accessories.

Technical Specifications

Lifetime (L70)	100,000 h
Lifetime (L80)	70,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	6
Dimmability	DALI2
Beam angle	60° / 45° / 30° / 38° x 108°
Finishing	Matte Black
Colour rendering index (CRI)	> 70
Degree of 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)	< 0.3%
Power factor	> 0.9
Surge protection (kV)	20kV

Electrical Supply

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

Mechanical Properties

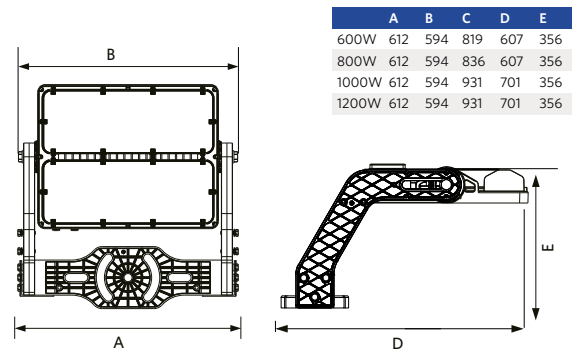
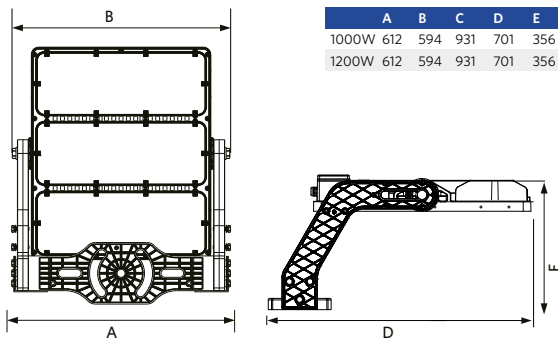
Housing material	Aluminium
Optical material	Polycarbonate
Cover material	Polycarbonate
Coastal proof	Yes

Ambient Conditions

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



Dimensional Drawing (mm)





SMART

INDOOR

OUTDOOR

LAMPS & TOOLS

TECHNICAL DATA

GLOSSARY



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)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	CRI	Surge protection (kV)	Weight (kg/pc)
On-Off										
140062030	LED Flood-P Re440-90W-4000-W-BL	HID 250W	90	12600	140	4000	100°	> 80	4	6.41
140062031	LED Flood-P Re440-90W-4000-AS-BL	HID 250W	90	12600	140	4000	55° x 115°	> 80	4	6.41
140062032	LED Flood-P Re440-125W-4000-W-BL	HID 400W	125	17500	140	4000	100°	> 80	4	6.41
140062033	LED Flood-P Re440-125W-4000-AS-BL	HID 400W	125	17500	140	4000	55° x 115°	> 80	4	6.41
140062034	LED Flood-P Re440-160W-4000-W-BL	HID 400W	160	22400	140	4000	100°	> 80	4	6.41
140062035	LED Flood-P Re440-160W-4000-AS-BL	HID 400W	160	22400	140	4000	55° x 115°	> 80	4	6.41
543017041100	LED Flood-P Re440-220W-4000-N-BL	HID 500W	220	32000	145	4000	50°	> 70	10	6.41
543017026200	LED Flood-P Re440-220W-4000-AS-BL	HID 500W	220	32000	145	4000	55° x 115°	> 70	10	6.41
543017041200	LED Flood-P Re440-220W-5700-N-BL	HID 500W	220	32000	145	5700	50°	> 70	10	6.41
543017026400	LED Flood-P Re440-220W-5700-AS-BL	HID 500W	220	32000	145	5700	55° x 115°	> 70	10	6.41

Accessories



599000004600
LEDStreet-SE-Extension-Cable-6m



543098021900
LEDFixture-IP68-Connector-Kit-3

Technical Specifications	
Lifetime (L70)	100,000 h
Lifetime (L80)	70,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimmability	On-Off
Finishing	Matte Black
Degree of 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

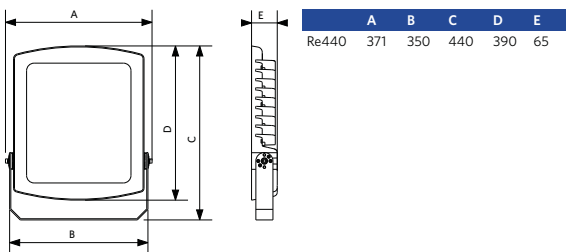
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	See catalogue appendix Connection Specifications
230V Cable length	1 m

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)





Floodlight Modulo Performer

- Precise modular optical design for area, object and facade lighting
- Super slim aluminium body with integrated heatsink
- Very high efficacy of up to 140 lm/W
- Standard asymmetric (AS) and narrow (N) beam angles available
- Robust design with high protection against water and dust
- 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)	Max. power (W)	Lumen	CCT (K)	Beam angle	Weight (kg/pc)
On-Off							
709000056900	LEDfloodMo-P Re340-70W-840-AS	HID 150W	70	9800	4000	40° x 100°	4.4
709000057500	LEDfloodMo-P Re340-100W-840-AS	HID 250W	100	14000	4000	40° x 100°	4.4
709000058100	LEDfloodMo-P Re450-150W-840-AS	HID 400W	150	21000	4000	40° x 100°	5.7
709000058500	LEDfloodMo-P Re450-200W-840-N	HID 400W	200	28000	4000	45°	5.7
709000058700	LEDfloodMo-P Re450-200W-840-AS	HID 400W	200	28000	4000	40° x 100°	5.7
709000058800	LEDfloodMo-P Re450-200W-857-N	HID 400W	200	28000	5700	45°	5.7
709000059000	LEDfloodMo-P Re450-200W-857-AS	HID 400W	200	28000	5700	40° x 100°	5.7
709000059100	LEDfloodMo-P Re570-250W-840-N	HID 2x250W	250	35000	4000	45°	7.67
709000059300	LEDfloodMo-P Re570-250W-840-AS	HID 2x250W	250	35000	4000	40° x 100°	7.67
709000059400	LEDfloodMo-P Re570-250W-857-N	HID 2x250W	250	35000	5700	45°	7.67
709000059600	LEDfloodMo-P Re570-250W-857-AS	HID 2x250W	250	35000	5700	40° x 100°	7.67
709000059700	LEDfloodMo-P Re570-300W-840-N	HID 2x400W	300	42000	4000	45°	7.67
709000059900	LEDfloodMo-P Re570-300W-840-AS	HID 2x400W	300	42000	4000	40° x 100°	7.67
709000060000	LEDfloodMo-P Re570-300W-857-N	HID 2x400W	300	42000	5700	45°	7.67
709000060200	LEDfloodMo-P Re570-300W-857-AS	HID 2x400W	300	42000	5700	40° x 100°	7.67
709000078300	LEDfloodMo-P Re570-380W-840-N	HID 500W	380	53200	4000	45°	7.67
709000078500	LEDfloodMo-P Re570-380W-840-AS	HID 500W	380	53200	4000	40° x 100°	7.67
709000078600	LEDfloodMo-P Re570-380W-857-N	HID 500W	380	53200	5700	45°	7.67
709000078800	LEDfloodMo-P Re570-380W-857-AS	HID 500W	380	53200	5700	40° x 100°	7.67

Accessories



59900004600
LEDStreet-SE-Extension-
Cable-6m



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

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
Finishing	Grey RAL 870-3
Colour rendering index (CRI)	> 80
Degree of 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)	< 1.0%
Power factor	> 0.9
Surge protection (kV)	6kV

Electrical Supply

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

Mechanical Properties

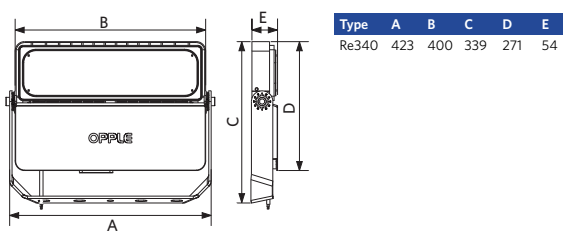
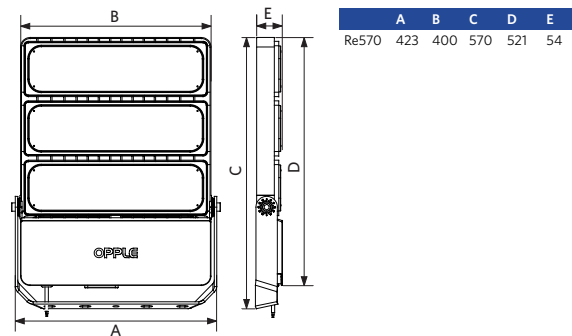
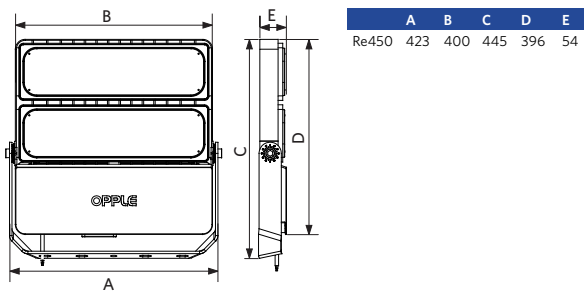
Housing material	Aluminium
Optical material	Polycarbonate
Cover material	Polycarbonate
Coastal proof	Yes

Ambient Conditions

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



Dimensional Drawing (mm)





**NEW
VERSIONS**

Floodlight EcoMax G3

- NEW: Available with AS (55°x110°) and N (60°) beam angle for high power versions
- Complete floodlight family from 10 to 200W
- Compact floodlight with high efficacy up to 130 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



Specifications

Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Weight (kg/pc)
On-Off								
709000071900	LEDflood-E3 Re100-10W-830-WH	Halogen 50W	10	1100	110	3000	100°	0.4
709000072100	LEDflood-E3 Re100-10W-840-WH	Halogen 50W	10	1200	120	4000	100°	0.4
709000072000	LEDflood-E3 Re115-20W-830-WH	Halogen 100W	20	2200	110	3000	100°	0.5
709000072200	LEDflood-E3 Re115-20W-840-WH	Halogen 100W	20	2400	120	4000	100°	0.5
709000071500	LEDflood-E3 Re100-10W-830-BL	Halogen 50W	10	1100	110	3000	100°	0.4
709000071700	LEDflood-E3 Re100-10W-840-BL	Halogen 50W	10	1200	120	4000	100°	0.4
709000071600	LEDflood-E3 Re115-20W-830-BL	Halogen 100W	20	2200	110	3000	100°	0.5
709000071800	LEDflood-E3 Re115-20W-840-BL	Halogen 100W	20	2400	120	4000	100°	0.5
709000072700	LEDflood-E3 Re144-30W-830-BL	HID 50W	30	3600	120	3000	100°	0.73
709000072800	LEDflood-E3 Re144-30W-840-BL	HID 50W	30	3900	130	4000	100°	0.73
709000072900	LEDflood-E3 Re170-50W-830-BL	HID 70W	50	6000	120	3000	100°	0.96
709000073000	LEDflood-E3 Re170-50W-840-BL	HID 70W	50	6500	130	4000	100°	0.96
709000073100	LEDflood-E3 Re246-70W-830-BL	HID 150W	70	8400	120	3000	100°	2.04
709000117400	LEDflood-E3 Re246-70W-830-BL-AS	HID 150W	70	9800	140	3000	55° x 110°	2.04
709000073200	LEDflood-E3 Re246-70W-840-BL	HID 150W	70	9100	130	4000	100°	2.04
709000117500	LEDflood-E3 Re246-70W-840-BL-AS	HID 150W	70	10500	150	4000	55° x 110°	2.04
709000073300	LEDflood-E3 Re246-100W-830-BL	HID 250W	100	12000	120	3000	100°	2.2
709000116800	LEDflood-E3 Re246-100W-830-BL-N	HID 250W	100	14000	140	3000	60°	2.04
709000116200	LEDflood-E3 Re246-100W-830-BL-AS	HID 250W	100	14000	140	3000	55° x 110°	2.2
709000073400	LEDflood-E3 Re246-100W-840-BL	HID 250W	100	13000	130	4000	100°	2.2
709000116900	LEDflood-E3 Re246-100W-840-BL-N	HID 250W	100	15000	150	4000	60°	2.04
709000116300	LEDflood-E3 Re246-100W-840-BL-AS	HID 250W	100	15000	150	4000	55° x 110°	2.2
709000073500	LEDflood-E3 Re300-150W-830-BL	HID 400W	150	18000	120	3000	100°	3.31
709000117000	LEDflood-E3 Re300-150W-830-BL-N	HID 400W	150	21000	140	3000	60°	3.31
709000116400	LEDflood-E3 Re300-150W-830-BL-AS	HID 400W	150	21000	140	3000	55° x 110°	3.31

Item Code	Item Description	Equivalent to (W)	Max. power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	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	55° x 110°	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	55° x 110°	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	55° x 110°	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



599000004600
LEDStreet-SE-Extension-
Cable-6m



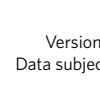
543098021900
LEDFixture-IP68-Connec-
tor-Kit-3

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)
Sensor type	No sensor / Motion + Daylight detection (MD)
Sensor technology	No sensor / Microwave (MW)
Colour rendering index (CRI)	> 80
Degree of 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 / 4kV

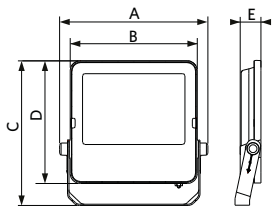
Electrical Supply	
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	No
230V Cable length	1 m

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

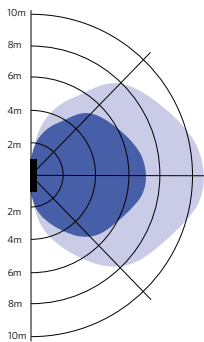


Dimensional Drawing (mm)

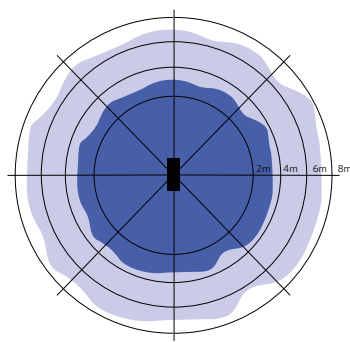


	A	B	C	D	E
Re100	122	102	122	95	26
Re115	138	115	137	108	28
Re144 MD	172	142	218	133	34
Re144	172	142	170	133	34
Re170	200	172	207	165	32
Re246	286	245	280	236	40
Re300	350	298	335	288	45
Re345	400	345	380	333	50

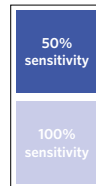
Motion Sensors



Installation - Wall mounted
Suggested installation height 1.5-3m



Installation - Ceiling mounted
Suggested installation height 1.5-3m





SMART

INDOOR

OUTDOOR

LAMPS & TOOLS

TECHNICAL DATA

GLOSSARY





Smart	14
Indoor	34
Outdoor	142
Lamps & Tools	178
Technical Data	194
Glossary	208



Filament

- Classic light bulb shape ensures an easy replacement
- Instant 100% light when switched on and no startup time
- No UV / IR radiance so there is less risk of damage



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
A60/On-Off							
500010001400	LED-E-A60-FILA-E27-4W-2700K-CL	GLS 40W	4.0	470	118	2700	0.029
500010001500	LED-E-A60-FILA-E27-7W-2700K-CL	GLS 60W	7.0	806	115	2700	0.03
A60/Triac							
500010001100	LED-E-A60-FILA-E27-4.5W-DIM-2700K-CL	GLS 40W	4.5	470	104	2700	0.031
500010001900	LED-E-A60-FILA-E27-4.5W-DIM-2700K-FR	GLS 40W	4.5	806	104	2700	0.033
500010001300	LED-E-A60-FILA-E27-4.5W-DIM-4000K-FR	GLS 40W	4.5	470	104	4000	0.032
500010001000	LED-E-A60-FILA-E27-7W-DIM-2700K-CL	GLS 60W	7.0	806	115	2700	0.034
500010001200	LED-E-A60-FILA-E27-7W-DIM-2700K-FR	GLS 60W	7.0	806	115	2700	0.036
500010000400	LED-E-A60-FILA-E27-7W-DIM-4000K-FR	GLS 60W	7.0	806	115	4000	0.036
B35/On-Off							
500011000500	LED-E-B35-FILA-E14-2.8W-2700K-CL	GLS 25W	2.8	250	89	2700	0.013
500011000300	LED-E-B35-FILA-E14-4W-2700K-CL	GLS 40W	4.0	470	118	2700	0.013
B35/Triac							
500011000400	LED-E-B35-FILA-E14-2.8W-DIM-2700K-FR	GLS 25W	2.8	250	89	2700	0.014
500011000200	LED-E-B35-FILA-E14-4.5W-DIM-2700K-CL	GLS 40W	4.5	470	104	2700	0.014
500011000100	LED-E-B35-FILA-E14-4.5W-DIM-2700K-FR	GLS 40W	4.5	470	104	2700	0.016
P-G45/On-Off							
500010000600	LED-E-P45-FILA-E14-2.8W-2700K-CL	GLS 25W	2.8	250	89	2700	0.013
500010001800	LED-E-P45-FILA-E14-4W-2700K-CL	GLS 40W	4.0	470	118	2700	0.014
500010002000	LED-E-G45-FILA-E27-2.8W-2700K-CL	GLS 25W	2.8	250	89	2700	0.019
P-G45/Triac							
500010000500	LED-E-P45-FILA-E14-2.8W-DIM-2700K-FR	GLS 25W	2.8	250	89	2700	0.015
500010000800	LED-E-G45-FILA-E27-2.8W-DIM-2700K-FR	GLS 25W	2.8	250	89	2700	0.022
500010001700	LED-E-P45-FILA-E14-4.5W-DIM-2700K-CL	GLS 40W	4.5	470	104	2700	0.015
500010000700	LED-E-P45-FILA-E14-4.5W-DIM-2700K-FR	GLS 40W	4.5	470	104	2700	0.016
500010000900	LED-E-G45-FILA-E27-4.5W-DIM-2700K-CL	GLS 40W	4.5	470	104	2700	0.02
500010001600	LED-E-G45-FILA-E27-4.5W-DIM-2700K-FR	GLS 40W	4.5	470	104	2700	0.023
ST64/Triac							
500012000200	LED-E-ST64-FILA-E27-4.5W-DIM-2200K-CL	GLS 40W	4.5	400	89	2200	0.045
500012000300	LED-E-ST64-FILA-E27-4.5W-DIM-2700K-CL	GLS 40W	4.5	470	104	2700	0.045

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
500012000400	LED-E-ST64-FILA-E27-7W-DIM-2200K-CL	GLS 60W	7.0	700	100	2200	0.047
500012000100	LED-E-ST64-FILA-E27-7W-DIM-2700K-CL	GLS 60W	7.0	806	115	2700	0.047

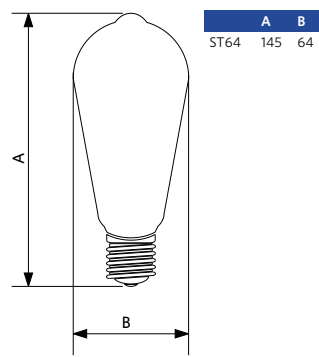
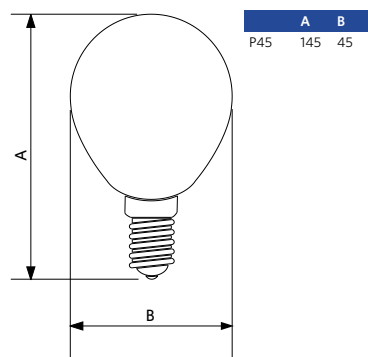
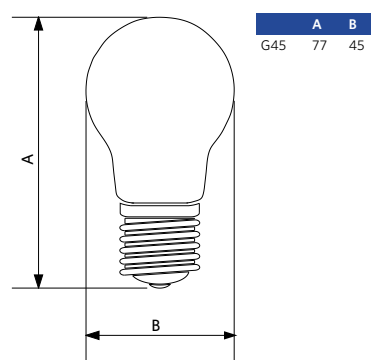
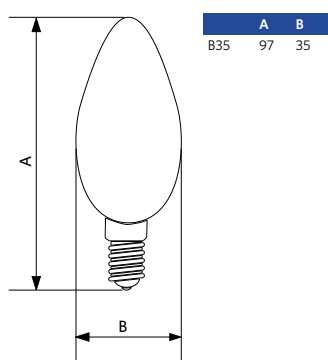
Technical Specifications	
Lifetime (L70)	15,000 h
On-/Off-cycles	100,000
Dimmability	On-Off / Triac
Beam angle	360°
Finishing	Clear (CL) / Frosted (FR)
Colour rendering index (CRI)	> 80

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

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



Dimensional Drawing (mm)





Reflector EcoMax GU10

- Full retrofit of existing halogen GU10 lamps
- Dimmable versions available up to 575lm
- Available in 3000K and 4000K
- Light silver coloured
- 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)	Weight (kg/pc)
Triac							
140060948	LED-E-GU10-3,5W-3000K-36D-DIM	Halogen 35W	3.5	245	70	3000	0.033
140060952	LED-E-GU10-3,5W-4000K-36D-DIM	Halogen 35W	3.5	260	74	4000	0.033
140060949	LED-E-GU10-5,2W-3000K-36D-DIM	Halogen 50W	5.2	350	67	3000	0.035
140060953	LED-E-GU10-5,2W-4000K-36D-DIM	Halogen 50W	5.2	360	69	4000	0.035
140060951	LED-E-GU10-7,5W-3000K-36D-DIM	Halogen 75W	7.5	565	75	3000	0.063
140060955	LED-E-GU10-7,5W-4000K-36D-DIM	Halogen 75W	7.5	575	77	4000	0.063

Technical Specifications

Lifetime (L70)	15,000 h
On-/Off-cycles	50,000
Dimmability	Triac
Beam angle	36°
Finishing	Silver
Colour rendering index (CRI)	> 80

Electrical Supply

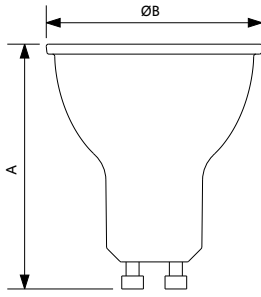
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	No

Ambient Conditions

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



Dimensional Drawing (mm)



	A	B
3,5W	54	50
5,2W	54	50
7,5W	57	50



T8 Tube Performer G2

- 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	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
On-Off							
802003020300	LEDTubeT8-EMB-P2 L600-6W-830	TL 1x18W	6.0	1050	170	3000	0.123
802003020400	LEDTubeT8-EMB-P2 L600-6W-840	TL 1x18W	6.0	1050	170	4000	0.123
802003020500	LEDTubeT8-EMB-P2 L600-6W-865	TL 1x18W	6.0	1050	170	6500	0.123
802003020600	LEDTubeT8-EMB-P2 L1200-12W-830	TL 1x36W	12.0	2100	170	3000	0.21
802003020700	LEDTubeT8-EMB-P2 L1200-12W-840	TL 1x36W	12.0	2100	170	4000	0.21
802003020800	LEDTubeT8-EMB-P2 L1200-12W-865	TL 1x36W	12.0	2100	170	6500	0.21
802003020900	LEDTubeT8-EMB-P2 L1500-18W-830	TL 1x58W	18.0	3100	170	3000	0.26
802003021000	LEDTubeT8-EMB-P2 L1500-18W-840	TL 1x58W	18.0	3100	170	4000	0.26
802003021100	LEDTubeT8-EMB-P2 L1500-18W-865	TL 1x58W	18.0	3100	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

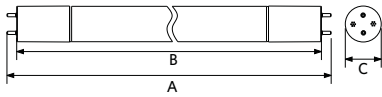
Electrical Supply

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

Ambient Conditions

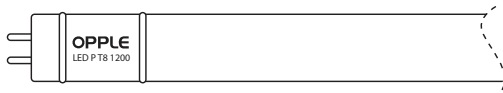
Operating temperature	-20 - 45°C
Application temperature	25°C
Storage environment	-25 - 50°C

Dimensional Drawing (mm)



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

Installation Possibilities



Single-ended connection



T8 Tube EcoMax

- Single-ended full IEC compliant LED Tube with patented driver
- 75% output/efficacy of T8 Tube Performer G2 with 130 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	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
On-Off							
802003021200	LEDTubeT8-EMB-E L600-6W-830	TL 1x18W	6.0	800	130	3000	0.123
802003021300	LEDTubeT8-EMB-E L600-6W-840	TL 1x18W	6.0	800	130	4000	0.123
802003021400	LEDTubeT8-EMB-E L600-6W-865	TL 1x18W	6.0	800	130	6500	0.123
802003021500	LEDTubeT8-EMB-E L1200-14W-830	TL 1x36W	14.0	1800	130	3000	0.21
802003021600	LEDTubeT8-EMB-E L1200-14W-840	TL 1x36W	14.0	1800	130	4000	0.21
802003021700	LEDTubeT8-EMB-E L1200-14W-865	TL 1x36W	14.0	1800	130	6500	0.21
802003021800	LEDTubeT8-EMB-E L1500-17W-830	TL 1x58W	17.0	2200	130	3000	0.26
802003021900	LEDTubeT8-EMB-E L1500-17W-840	TL 1x58W	17.0	2200	130	4000	0.26
802003022000	LEDTubeT8-EMB-E L1500-17W-865	TL 1x58W	17.0	2200	130	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

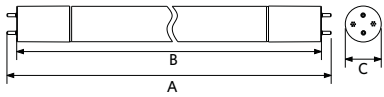
Electrical Supply

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

Ambient Conditions

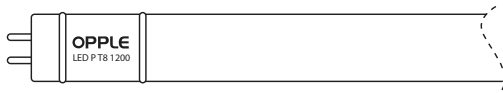
Operating temperature	-20 - 45°C
Application temperature	25°C
Storage environment	-25 - 50°C

Dimensional Drawing (mm)



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

Installation Possibilities



Single-ended connection



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	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
On-Off							
140066573	LED E C module 12W 2700K Clio CT	GLS 75W	12.0	1300	109	2700	0.104
140066574	LED E C module 12W 4000K Clio CT	GLS 75W	12.0	1400	117	4000	0.104
140066575	LED E C module 16W 2700K Clio CT II	GLS 100W	16.0	1650	104	2700	0.172
140066576	LED E C module 16W 4000K Clio CT II	GLS 100W	16.0	1800	113	4000	0.172
Triac							
140066204	LED E C module 22W DIM 2700K Clio CT	CFL TC-DD/PL-Q 28W	22.0	2300	105	2700	0.241
140066205	LED E C module 22W DIM 4000K Clio CT	CFL TC-DD/PL-Q 28W	22.0	2400	110	4000	0.241
140066206	LED E C module 36W DIM 2700K Clio CT	CFL TC-DD/PL-Q 38W	36.0	3800	106	2700	0.485
140066207	LED E C module 36W DIM 4000K Clio CT	CFL TC-DD/PL-Q 38W	36.0	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
Degree of protection (IP)	IP20

Electrical Supply

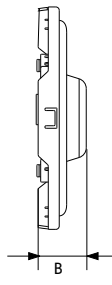
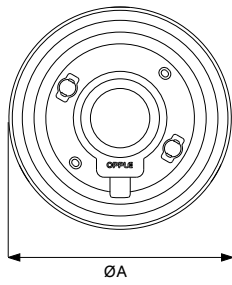
Frequency	50 - 60 Hz
Nominal voltage	220 - 240 V
DC input voltage	No
230V Cable length	0.3 m

Ambient Conditions

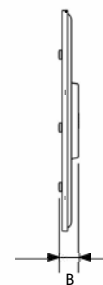
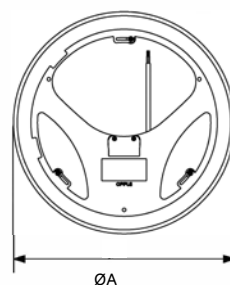
Operating temperature	-20 - 40°C
Application temperature	25°C
Storage environment	-25 - 50°C



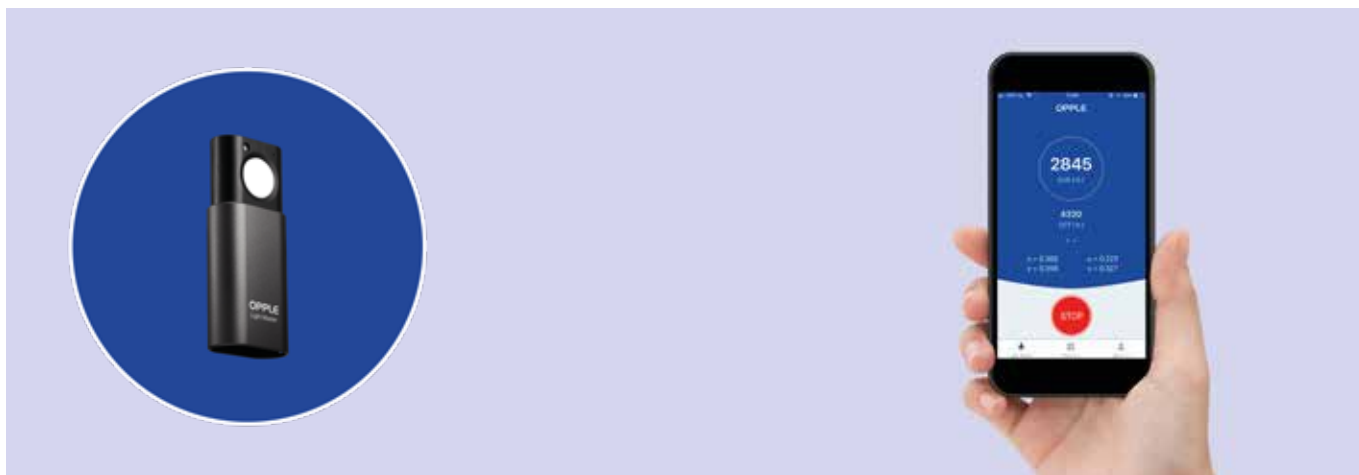
Dimensional Drawing (mm)



Type	A	B
12W	132	29



Type	A	B
16W	132	28
22W	228	29
36W	320	28



Light Master G3

- Easy connection via Bluetooth®
- Simple solution for measurement of light level (lux), colour temperature (Kelvin), colour rendering (CRI) and flicker
- Compatible with iOS and Android
- Rechargeable with micro USB (cable not included)
- Stylish protective bag included



Specifications

Item Code	Item Description	Weight (kg/pc)
Light Master		

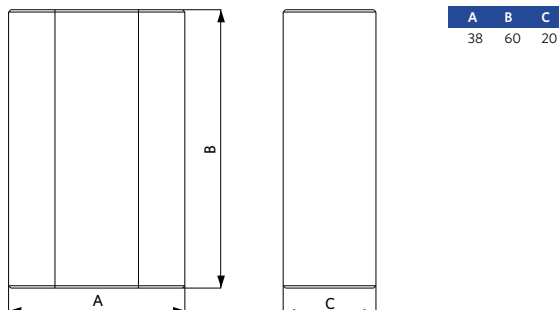
599000032700 Light-master-III 0.043

Technical Specifications	
RAL	9004
Rechargeable	Yes - micro USB
Lux range	0 - 50000 lx
Color temperature range	2000 - 25000 K
Accuracy	~ 5% deviation

Ambient Conditions	
Operating temperature	-10 ~ 40°C



Dimensional Drawing (mm)



Accessories

LED Module sensor CT

- Sensor accessory for luminaires
- Detection range: 12m

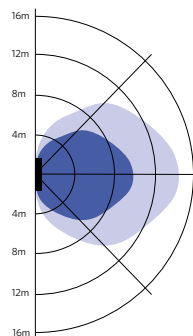
Suitable for:

- Ceiling Light Apollo
- Linear Ecomax
- Module Clío G2

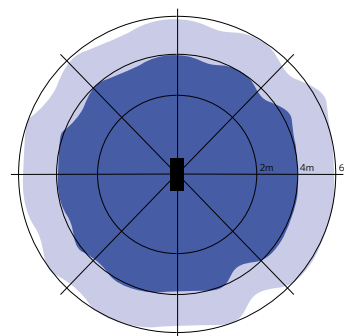
L x W x H: 76.7mm x 35.5mm x 25.5mm



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





Smart	14
Indoor	34
Outdoor	142
Lamps & Tools	178
Technical Data	194
Glossary	208

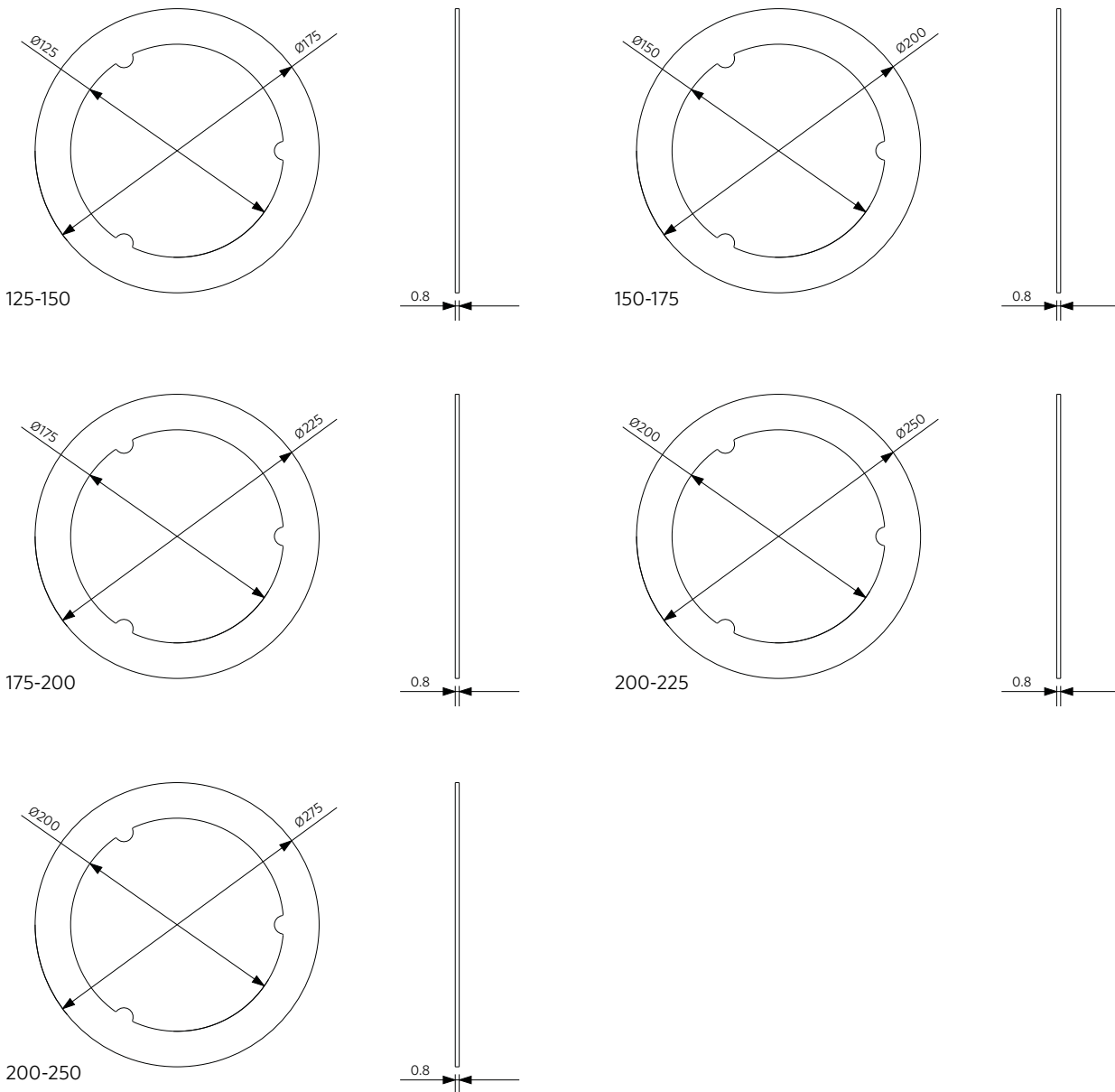
Cut-Out Conversion List

Cut-out overview																
Cut-Out (mm)		Ø65	Ø68	Ø72	Ø76	Ø80	Ø100	Ø120	Ø125	Ø150	Ø172	Ø175	Ø200	Ø205	Ø265	
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 Compact	9W						■								
		14W							■							
		18W								■						
		24W												■		
	Downlight Slim EcoMax	6W						■								
		9W							■							
		12W								■						
		15W									■					
		18W										■				
	Downlight Flex	13/16W	■	■	■	■	■	■	■	■	■	■	■	■	■	■
16/22W								■	■	■	■	■	■	■	■	
13/16W (Square)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	
16/22W (Square)								■	■	■	■	■	■	■	■	
Spot Slim EcoMax	5W		■	■												
	7W		■	■												
Spots	Cut-Out (mm)		Ø65	Ø68	Ø72	Ø76	Ø80	Ø100	Ø120	Ø125	Ø150	Ø172	Ø175	Ø200		
	Spot Performer Swing	20W							■	■						
		35W										■	■			
	Spot Round Adjustable HQ	8W			■	■										
	Spot Ava G2	5W		■	■	■										
		7W		■	■	■										
	Spot Chiara	6W		■	■											
		8W		■	■											

Note: for Downlight Performer HG, Downlight Performer MW, Downlight Compact, Downlight 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



Connection Specifications

Tables below present the maximum number of luminaires that can be connected on one B16/C16 circuit breaker.

Category	Types	DC Input Voltage	Max. units per B16	Max. units per C16	Max. inrush current (A)	Inrush time (µs)
Panel Grille	33W DALI/BLE	180-280	11	19	42	240
Panel Monza	35W	n/a	40	57	23	24
Panel Monza	35W DALI/10V/BLE	180-280	21	35	21	162
Panel Lugano	32W	180-280	12	30	40	200
Panel Lugano	32W DALI/BLE/BLE TW	180-280	25	16	25	500
Panel Lugano	32W DALI TW	180-280	32	41	8,84	37,42
Panel Torino	32W	180-280	12	30	40	200
Panel Torino	32W DALI/BLE/BLE TW	180-280	25	16	25	500
Panel Torino	32W DALI TW	180-280	32	41	8,84	37,42
Panel Performer Surface Mounted	40W	180-280	12	30	40	200
Panel Performer Surface Mounted	40W/50W DALI	180-280	15	20	30	650
Panel Performer Surface Mounted	40W/50W BLE	n/a	8	16	40	230
Panel Performer Surface Mounted	50W	n/a	8	16	40	230
Slim Panel Performer UGR19 G6	30W/34W	180-280	12	30	40	200
Slim Panel Performer UGR19 G6	30W DALI/34W DALI	180-280	25	16	25	500
Slim Panel Performer UGR19 G6	30W BLE/34W BLE	180-280	25	16	25	500
Slim Panel Performer UGR19 G6	34W BLE TW	180-280	21	35	45	143
Slim Panel Performer UGR19 G6	34W DALI TW	180-280	32	41	8,84	37,42
Slim Panel EcoMax G4	32W	180-280	6	15	40	316
Slim Panel EcoMax G4	32W DALI	180-280	16	25	25	500
Slim Panel Basic G3	32W	180-280	6	15	40	316
Suspended Linear Tallinn	45W DALI TW/BLE TW	180-280	5	10	40	440
Lima	15/18W DALI/BLE	180-280	17	28	25	330
Lima	30/36W DALI/BLE	180-280	15	26	20	400
Panel Suspended Riga	34/40W DALI/BLE	180-280	25	16	25	500
Panel Suspended Zenith	75W DALI	190-210	18	30	35	500
Panel Suspended Zenith	75W BLE	200-300	32	35	39	103
Downlight Performer G2 HG	8W	180-280	182	182	2,44	38
Downlight Performer G2 HG	15/22W	180-280	80	80	11,9	134
Downlight Performer G2 HG	30W/40W	180-280	12	30	40	200
Downlight Performer G2 HG	8W DALI	180-280	106	106	2,34	38,4
Downlight Performer G2 HG	12W DALI	180-280	106	106	3,3	41,2
Downlight Performer G2 HG	15/22W DALI	180-280	37	37	5,25	47,24
Downlight Performer G2 HG	30W DALI	180-280	51	51	4,64	41,6
Downlight Performer G2 HG	8/12/15/22/30W BLE	180-280	30	48	17	270
Downlight Performer G2 HG	12/24W BLE TW	180-280	30	48	17	270
Downlight Performer G2 HG	12/24W DALI TW	180-280	37	37	5,25	47,24
Downlight Performer G2 MW	8W	180-280	182	182	2,44	38
Downlight Performer G2 MW	15/22W	180-280	80	80	11,9	134
Downlight Performer G2 MW	30W/40W	180-280	12	30	40	200
Downlight Performer G2 MW	8W DALI	180-280	106	106	2,34	38,4
Downlight Performer G2 MW	12W DALI	180-280	106	106	3,3	41,2
Downlight Performer G2 MW	15/22W DALI	180-280	37	37	5,25	47,24

Category	Types	DC Input Voltage	Max. units per B16	Max. units per C16	Max. inrush current (A)	Inrush time (µs)
Downlight Performer G2 MW	30W DALI	180-280	51	51	4,64	41,6
Downlight Performer G2 MW	8/12/15/22/30W BLE	180-280	30	48	17	270
Downlight Performer G2 MW	12/24W BLE TW	180-280	30	48	17	270
Downlight Performer G2 MW	12/24W DALI TW	180-280	37	37	5,25	47,24
Downlight Flex EcoMax	10/16W	186-240	119	119	17,2	41,2
Downlight Flex EcoMax	16/22W	186-240	82	82	8,6	42,3
Downlight Slim EcoMax G2	6/9W	180-280	45	55	11	180
Downlight Slim EcoMax G2	12W	180-280	40	55	12	200
Downlight Slim EcoMax G2	15W	200-280	30	50	18	250
Downlight Slim EcoMax G2	18W	200-280	30	50	18	270
Downlight Compact	9W	n/a	32	53	7	160
Downlight Compact	14W	n/a	30	50	12	80
Downlight Compact	18W	n/a	28	47	12	88
Downlight Compact	24W	n/a	26	43	11	82
Spot Performer 3C Compact	12W	180-260	130	130	2	27,2
Spot Performer 3C Compact	25W	310-340	85	85	7,8	79,7
Spot Performer 3C Compact	35W	310-340	55	55	10	78,1
Spot Performer 3C Compact	37W BLE	n/a	21	35	41	150
Spot Performer Swing	20W	n/a	101	101	22	40
Spot Performer Swing	35W	n/a	57	57	24	23,5
Spot Performer Swing	35W DALI/BLE	180-280	24	40	41	150
Spot Performer Swing	35W 10V	200-300	24	40	41	150
Slim Spot EcoMax	6W	180-280	77	129	16,1	91,6
Slim Spot EcoMax	8W	180-280	213	213	1,93	49,5
Spot Round Adjustable HQ	8W	190-210	n/a	n/a	1	500
Spot Ava G2	5W	180-230	267	267	2,6	62,7
Spot Ava G2	7W	180-230	213	213	2,6	62,7
Surface Spot Selena	5W	180-280	46	54	4,5	130
Surface Spot Selena	7W	180-280	46	54	3,9	30
Spot Chiara	9W	180-280	46	54	4,5	40
Desk Lamp Balance	14W	n/a	n/a	n/a	n/a	n/a
Desk lamp Sparrow	15W	n/a	n/a	n/a	n/a	n/a
Wall-Mounted Performer	15W/16W	200-300	122	122	25,2	4,8
Wall-Mounted Performer	21W/22W	200-300	90	90	25,2	4,8
Wall-Mounted EcoMax G2	14W	n/a	64	106	74	25
Wall-Mounted EcoMax G2	22W	n/a	84	84	28	25
Ceiling Light Luna	9W	n/a	32	53	7	160
Ceiling Light Luna	14W	n/a	30	50	12	80
Ceiling Light Luna	18W	n/a	28	47	12	88
Ceiling Light Luna	24W	n/a	26	43	12	88
Ceiling Light Apollo G4	6/12W	180-280	54	70	5,2	10
Ceiling Light Apollo G4	8/16W	180-280	52	67	5,4	10
Ceiling Light Apollo G4	11/22W	180-280	51	66	5,5	10
Porchlight EcoMax G2	5W/6W	180-250	150	250	5	230
Linear EcoMax G2	10/18W	180-260	55	93	9,4	192
Linear EcoMax G2	22/36W	180-260	25	43	16,6	228
Linear EcoMax G2	30/50W	180-260	18	30	18,7	292
IP20 Batten EcoMax	19/38W	220-240	21	35	0,22	190
IP20 Batten EcoMax	24/48W	220-240	20	34	0,267	300
IP20 Batten EcoMax	19/38W DALI	180-264	43	63	0,23	300
IP20 Batten EcoMax	24/48W DALI	180-264	27	45	0,4	300
T5 Batten EcoMax	9W	n/a	24	40	5,92	280
T5 Batten EcoMax	18W	n/a	27	45	6,36	230
T5 Batten S with switch	4,5W	n/a	47	75	6,32	120
T5 Batten S with switch	9W	n/a	24	40	5,92	280
T5 Batten S with switch	11W	n/a	37	60	5,75	196

Category	Types	DC Input Voltage	Max. units per B16	Max. units per C16	Max. inrush current (A)	Inrush time (µs)
T5 Batten S with switch	13W	n/a	27	45	5,84	266
Highbay Performer Linear	150W DALI/BLE	180-260	6	10	100	220
Highbay Performer Linear	240W DALI/BLE	180-260	3	6	100	316
Highbay Performer Linear	300W DALI/BLE	180-260	3	5	120	316
Highbay Performer G5	80W	180-260	9	16	53	320
Highbay Performer G5	110W	180-260	6	11	53	320
Highbay Performer G5	150W	180-260	5	8	70	320
Highbay Performer G5	200W	180-260	3	5	107	320
Highbay Performer G5	240W	180-260	2	4	115	350
Highbay Performer G5	80W DALI/BLE	180-260	9	16	53	320
Highbay Performer G5	110W DALI/BLE	180-260	6	11	53	320
Highbay Performer G5	150W DALI/BLE	180-260	5	8	70	320
Highbay Performer G5	200W DALI/BLE	180-260	3	5	107	320
Highbay Performer G5	240W DALI/BLE	180-260	2	4	115	350
Highbay EcoMax G3	70W	n/a	9	16	53	320
Highbay EcoMax G3	110W	n/a	6	11	53	320
Highbay EcoMax G3	140W	n/a	5	8	70	320
Highbay EcoMax G3	180W	n/a	3	5	107	320
Highbay EcoMax G3	220W	n/a	2	4	115	350
Trunking	35W	180-260	38	63	15	250
Trunking	50W	180-260	18	30	40	178
Trunking	70W	180-260	12	20	40	178
Trunking	35W DALI	180-260	22	36	29	180
Trunking	50W DALI	180-260	14	23	40	178
Trunking	70W DALI	180-260	14	23	40	178
Waterproof Special	24W/34W/45W/54W	175-275	24	40	20	100
Waterproof Performer G4	12W	180-260	96	186	10	86
Waterproof Performer G4	24W	180-260	61	106	13	92
Waterproof Performer G4	38W	180-260	42	65	19	103
Waterproof Performer G4	31W	180-260	53	82	15	97
Waterproof Performer G4	47W	180-260	42	56	19	103
Waterproof Performer G4	54W	180-260	32	46	20	110
Waterproof Performer G4	70W	180-260	29	33	22	100
Waterproof Performer G4	85W	180-260	25	30	19	103
Waterproof Performer G4	24W DALI/BLE	180-340	25	64	25	150
Waterproof Performer G4	36W DALI/BLE	180-340	12	32	50	150
Waterproof Performer G4	31W DALI/BLE	180-340	12	32	50	150
Waterproof Performer G4	51W DALI/BLE	180-340	12	32	50	150
Waterproof Classic G2	10/18/24W	180-280	24	41	27	107
Waterproof Classic G2	18/24/36/44/56W	180-280	15	26	42,3	105
Waterproof Classic G2	DALI	180-280	n/a	n/a	n/a	n/a
Waterproof Classic G2	BLE	180-280	n/a	n/a	n/a	n/a
Waterproof EcoMax G3	10/19W	180-280	30	59	3	13
Waterproof EcoMax G3	17W	180-280	23	46	7,44	18,4
Waterproof EcoMax G3	19/35W	180-280	10	20	8,4	22
Waterproof EcoMax G3	25W	180-280	33	65	9,36	15,8
Waterproof EcoMax G3	25/47W	180-280	12	24	6,2	20,6
Waterproof EcoMax G3	44/55W	180-280	16	32	5,92	12,6
Waterproof Basic G2	36W	240-380	22	37	26	204
Waterproof Basic G2	50W	240-380	19	31	34	182
Waterproof Classic Housing	-	n/a	n/a	n/a	n/a	n/a
Roadlight Stratus	20W	n/a	6	16	40	300
Roadlight Stratus	40W	n/a	6	16	40	300
Roadlight Stratus	60W	171-275	6	16	70	200
Roadlight Stratus	80W	171-275	6	16	70	200

Category	Types	DC Input Voltage	Max. units per B16	Max. units per C16	Max. inrush current (A)	Inrush time (µs)
Roadlight Stratus	120W	171-275	6	16	70	200
Roadlight Stratus	150W	171-275	4	11	100	200
Roadlight Stratus	20W DALI	171-275	1	3	78,2	728
Roadlight Stratus	40W DALI	171-275	1	3	78,2	728
Roadlight Stratus	60W DALI	n/a	9	22	98	100
Roadlight Stratus	80W DALI	n/a	9	22	98	100
Roadlight Stratus	120W DALI	n/a	8	16	65	160
Roadlight Stratus	150W DALI	n/a	6	12	68	200
Roadlight Stratus	20W Zhaga	171-275	1	3	78,2	728
Roadlight Stratus	40W Zhaga	171-275	1	3	78,2	728
Roadlight Stratus	60W Zhaga	n/a	9	22	98	100
Roadlight Stratus	80W Zhaga	n/a	9	22	98	100
Roadlight Stratus	120W Zhaga	n/a	8	16	65	160
Roadlight Stratus	150W Zhaga	n/a	6	12	68	200
Roadlight EcoMax	80W/100W	200-300	8	20	410	252
Streetlight G2	20W/40W	200-300	29	49	17	250
Streetlight G2	60W	190-210	11	18	14,1	400
Post Top	33W	200-300	16	26	50	134
Post Top	50W	200-300	15	25	50	134
Post Top	68W	200-300	14	23	150	70
Post Top	33W DALI	200-300	16	26	50	134
Post Top	50W DALI	200-300	15	25	50	134
Bollard / Wall Light Leo	8W	n/a	213	213	3,44	48,3
Bollard Performer	10,5W	180-260	75	96	10	25
Bollard Luke	8W	200-300	213	160	6,8	36,6
Spot Projector	8W	220-240	178	178	7	67
Spot Projector	15W	220-240	97	97	7	31
Wall Spot	10W	220-240	18	45	7	650
Wall Spot	20W	220-240	9	24	15	550
Wall Light Lucia	6W	n/a	72	118	13,4	165
Wall Light Lucia	10W	n/a	71	119	13,6	175
Floodlight Olympus	600W	142-300	2	3	88,2	580
Floodlight Olympus	800W	142-300	1	2	140,8	642
Floodlight Olympus	1000W	142-300	1	2	140,8	642
Floodlight Olympus	1200W	142-300	1	1	176,4	580
Floodlight Performer	90W/125W/160W	190-210	11	18	35	800
Floodlight Performer	220W	180-280	3	5	66,5	540
Floodlight Modulo Performer	70W	n/a	14	29	36,4	158
Floodlight Modulo Performer	100W	n/a	12	22	43,2	200
Floodlight Modulo Performer	150W	n/a	8	14	59	324
Floodlight Modulo Performer	200W	n/a	8	11	60	328
Floodlight Modulo Performer	250W	n/a	8	9	60	464
Floodlight Modulo Performer	300W	n/a	6	8	81	388
Floodlight Modulo Performer	380W	n/a	5	6	86	428
Floodlight EcoMax G3	10W	n/a	71	119	2,88	570
Floodlight EcoMax G3	20W	n/a	58	97	3,06	658
Floodlight EcoMax G3	30W	n/a	18	31	40,4	157
Floodlight EcoMax G3	50W	n/a	15	25	47	162
Floodlight EcoMax G3	70W	n/a	6	11	42,6	400
Floodlight EcoMax G3	100W	n/a	6	11	42,6	400
Floodlight EcoMax G3	150W	n/a	6	10	52,4	400
Floodlight EcoMax G3	200W	n/a	6	10	52,4	400

SMART

INDOOR

OUTDOOR

LAMPS & TOOLS

TECHNICAL DATA

GLOSSARY



IP Rated Product Overview

IP-rating	Indoor application	Outdoor application
IP44	Downlight Performer G2 HG (front side)	
	Downlight Performer G2 MW (front side)	
	Downlight Slim EcoMax G2 (front side)	
	Downlight Compact (front side)	
	Spot Round Adjustable HQ	
	Spot Ava G2	
	Spot Chiara (front side)	
	Ceiling Light Apollo G4	
IP54	Linear EcoMax G2	
	Slim Panel Performer UGR19 G6 (front side)	
IP65	Wall-Mounted EcoMax G2	
	Highbay EcoMax G3	Wall-Mounted Performer
	Waterproof Basic G2	Porchlight EcoMax G2
	Waterproof Classic Housing	Bollard / Wall Light Leo
		Bollard Performer
		Bollard Luke
IP66		Wall Spot
		Wall Light Lucia
	Highbay Performer Linear	Roadlight Stratus
	Highbay Performer G5	Roadlight EcoMax
	Waterproof Performer G4	Streetlight G2
	Waterproof Classic G2	Post Top
	Waterproof EcoMax G3	Spot Projector
IP67/69K		Floodlight Olympus
		Floodlight Performer
		Floodlight Modulo Performer
		Floodlight EcoMax G3
	Waterproof Special	

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

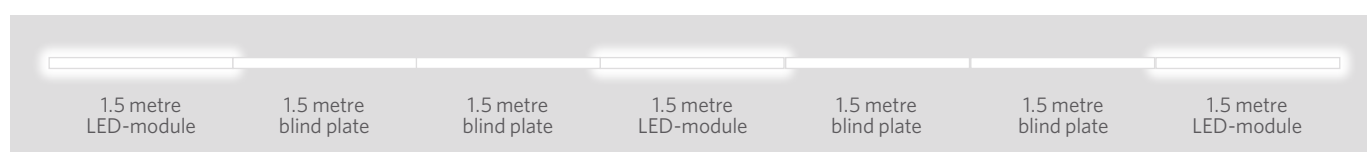
Trunking - module allocation

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	41	10	0	0
		9	41	10	0	0
		8	41	10	0	0
	M4	7	41	10	0	0
		10	47	11,5	5	0,5
		9	48	12	0	0
LED Roadlight Stratus 150W AS	M3	8	49	12	5	0
		7	51	12,5	0	0
		10	46	11,5	5	1
	M4	9	47	11,5	5	1
		8	49	12	0	1
		7	50	12,5	0	1
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

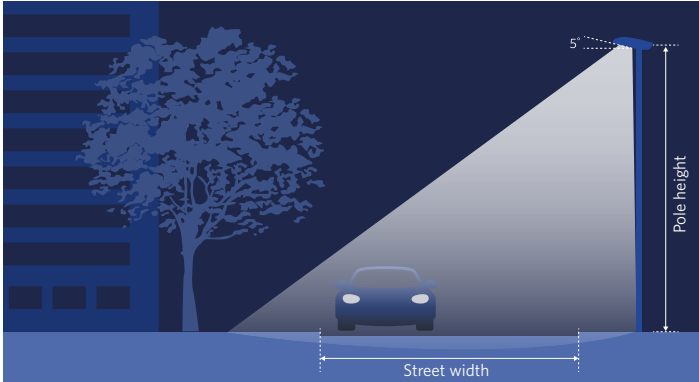
P-Class Roads

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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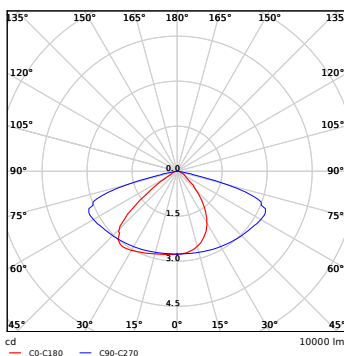
M-Class Roads

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

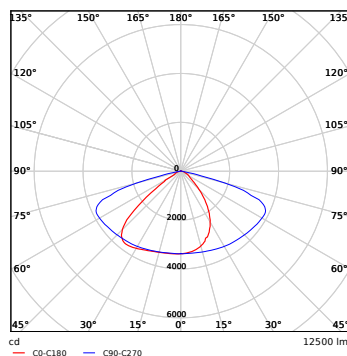
Luminaire	Illuminance Class	Width [m]	Pole distance[m]	Pole height [m]	Boom angle [°]	Light overhang [m]
LEDRoadlight-E 100W	M3	7	34	8	0	1
		8	34	7.5	0	1
		9	32	7.5	0	1
		10	30	7.5	0	1
		11	28	7	10	1
LEDRoadlight-E 100W	M4	7	41	9	0	0.5
		8	40	9	0	1
		9	39	8.5	0	1
		37	8.5	0	1	
		11	36	8.5	0	1

M-class = main road

Polar Diagrams



LEDRoadlight-E 80W

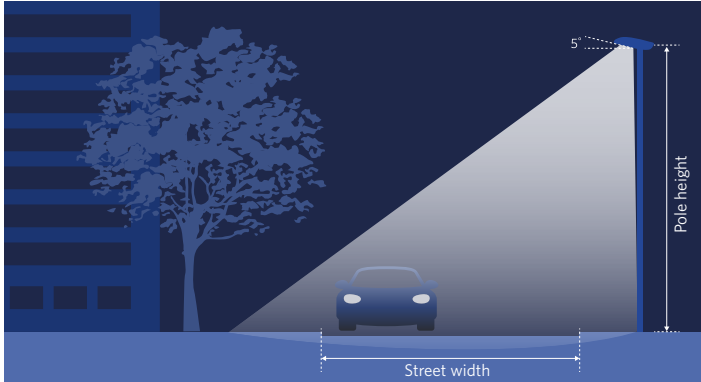


LEDRoadlight-E 100W

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		

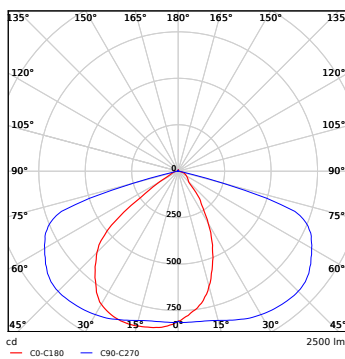
M-class = main road

P-Class Roads

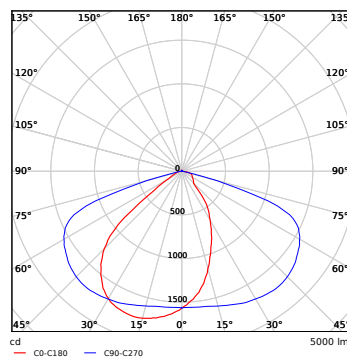
Luminaire	Illuminance Class	Street width [m]	Maximum pole distance[m]	Pole height [m]	Boom angle [°]	Light overhang [m]
LEDStreetlight-E2 20W	P2	3	24	4.5	5	0
		4	23	4	5	0
		5	23	4	5	0.5
	P4	6	20	4	5	0.3
		3	35	6.5	5	0.5
		4	35	6.5	5	0.3
LEDStreetlight-E2 40W	P2	5	34	6	5	0.1
		6	33	6	5	0.5
		3	32	6	5	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

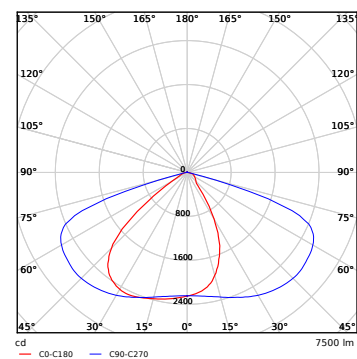
Polar Diagrams



LEDStreetlight-E2 20W



LEDStreetlight-E2 40W

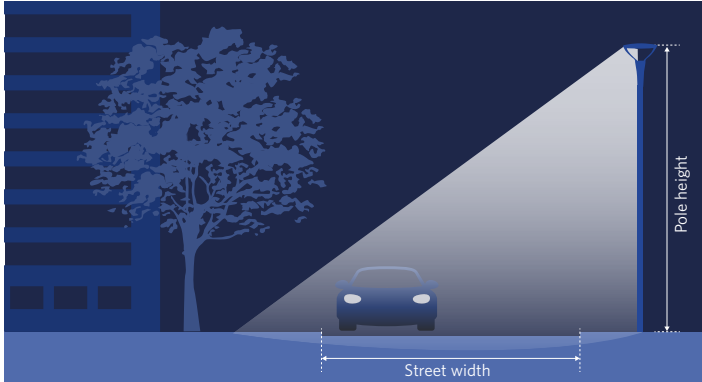


LEDStreetlight-E2 60W

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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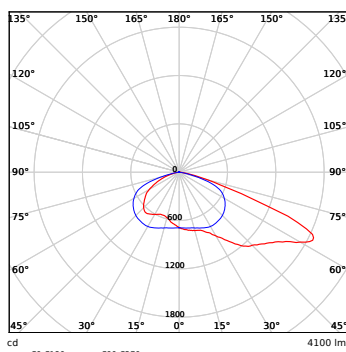
P-Class Roads

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

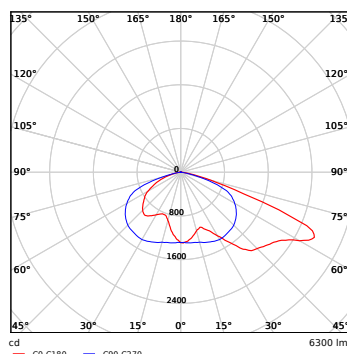
P-class = pedestrian road

*Calculation is based on 4000K version

Polar Diagrams



LEDPostTop-P 33W-AS



LEDPostTop-P 50W-AS





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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

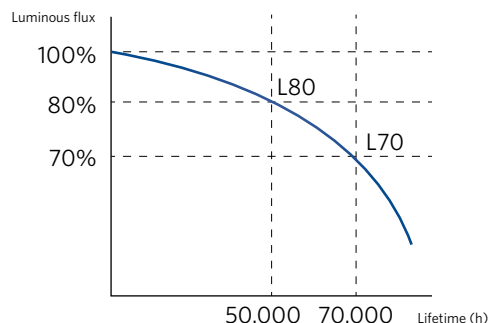
SDCM has the same meaning as a "MacAdam ellipse". A 1-step MacAdam ellipse defines a zone in the CIE 1931 2 deg (xy) colour space within which the human eye cannot discern colour difference.

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 IEC 1789 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 Adressable 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 ϕ)

SDCM

standard deviation of color matching

UGR

Unified Glare Rating

Glare reduction

Glossary Opplé - 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

HG

High Gloss

L12

Length 1200mm

LUM

Luminaire only (excl. driver)

MD

Motion/day-light detection

MW

Matt white

N

Narrow

P

Performer

PMMA

Polymethylmethacrylaat

Rc

recessed

Re

Rectangle

S / SI

Slim

SI-E

Slim EcoMax

Sp-Z

Suspended Zenith

Sq

Square

TW

Tunable White

U19

UGR value \leq 19

W

Wide beam angle

WH

White

XAS

"Extra Asymmetric" beam angle

XN

Extra narrow

ZH

Zhaga

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