

OPPLE
LIGHTING.

APRIL 2023

LED Portfolio

OPPLE.COM

A large decorative graphic on the right side of the page. It features a dark blue circular background with a glowing circuit pattern of white and light blue lines and nodes. In the center of this circle is a lighter, semi-transparent sphere with a similar circuit pattern, creating a sense of depth and technology.

OPPLE Lighting.

Dear valued customers,

2023 will be an important year to make the switch to LED lighting.

Due to the (compact) fluorescent ban companies will be forced to switch to LED.

With the ambition to lower our global CO2 footprint and the recent high energy costs, switching to LED lighting is one of the easiest ways to reach your sustainability goals. The payback time of LED solutions has never been as short as it is now, making the investment an **absolute “no-brainer”**.

In this new catalogue we present a lot of (new) products to make your switch to LED **easy, fast, and affordable**. We continue to expand our offerings in decorative and functional outdoor market, also bringing our most powerful sports lighting solution ever, the new Floodlight Olympus.

Further, we keep on developing our Smart Lighting portfolio by making use of **Bluetooth SIG mesh®**. This will make it fully future proof by advancing compatibility, driving standardization, and enabling new exciting features. At the same time, we introduce Human Centric Lighting (HCL) to our SMART solutions. Using our Tunable White luminaires, we promise you the easiest-to-use and fastest-to-install HCL system in the market.

In combination with the OPPLE Smart Connect Box, it is very user-friendly to set the appropriate lighting cycles and scenes for your situation! Have a look and find the right solution to boost well-being, health, and productivity of the people in your building.

At OPPLE, your success is our goal. We keep it simple, respond quickly, and do what we promise. All colleagues at OPPLE make it happen!

LET'S TEAM OP!



Jeroen Janssen
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.







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OPPLE ONLINE



@OppleLightingEurope

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

TOOLS

- ▶ Fast Lighting Calculation
- ▶ Trunking Configurator

DOWNLOAD CENTER

- ▶ Family sheets
- ▶ Installation instructions
- ▶ Photometric data
- ▶ Energy labels
- ▶ Connection specifications
- ▶ Dimmer compatibility list
- ▶ Terms & conditions
- ▶ 3D (BIM) Models
- ▶ Dialux
- ▶ Relux



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A hand is shown holding a smartphone. Overlaid on the image is a network diagram consisting of several nodes connected by lines. Some nodes are glowing blue and contain a Bluetooth symbol. The background is a blurred blue-toned image of a person's hand and arm.

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OPPLE Smart Lighting

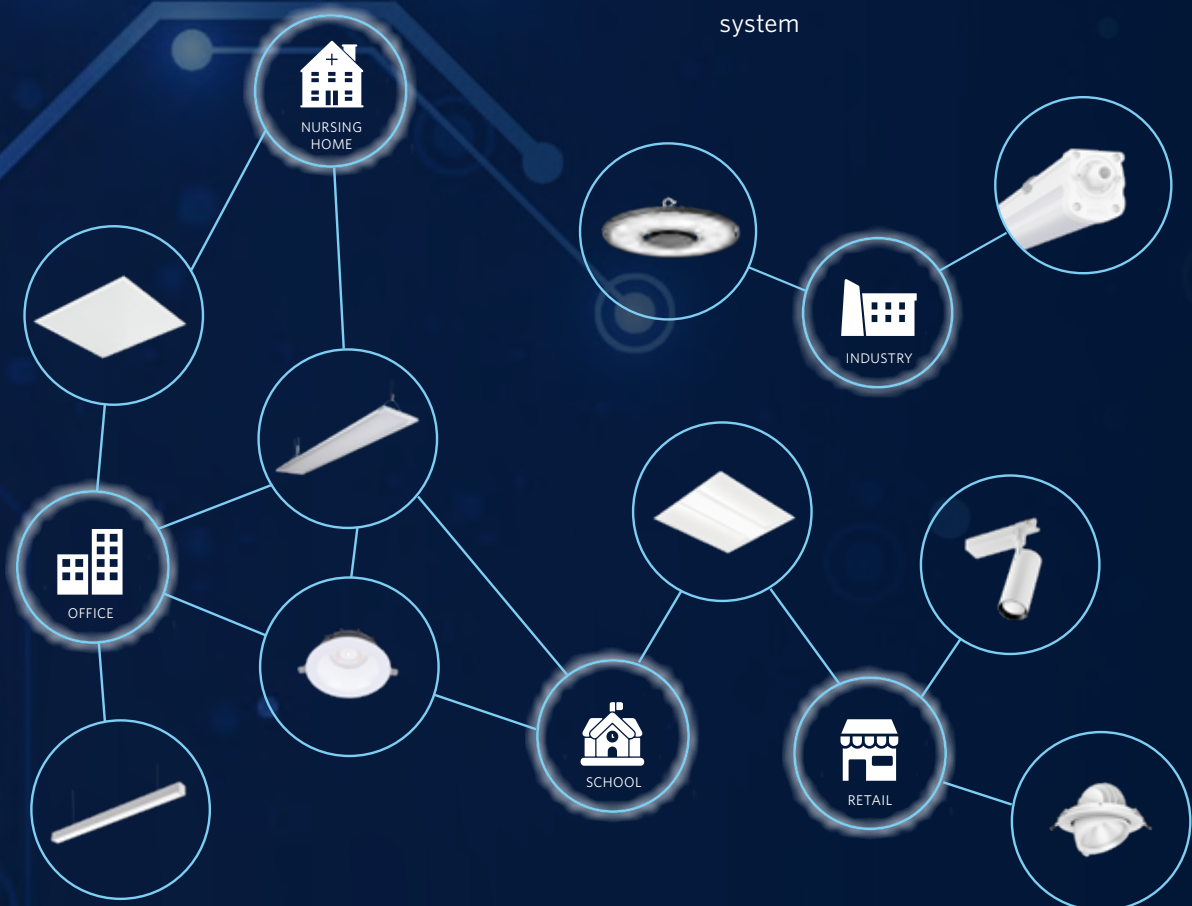
Full Smart Lighting portfolio upgraded to BLE2 products, based on the standardized Bluetooth SIG Mesh protocol.*

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

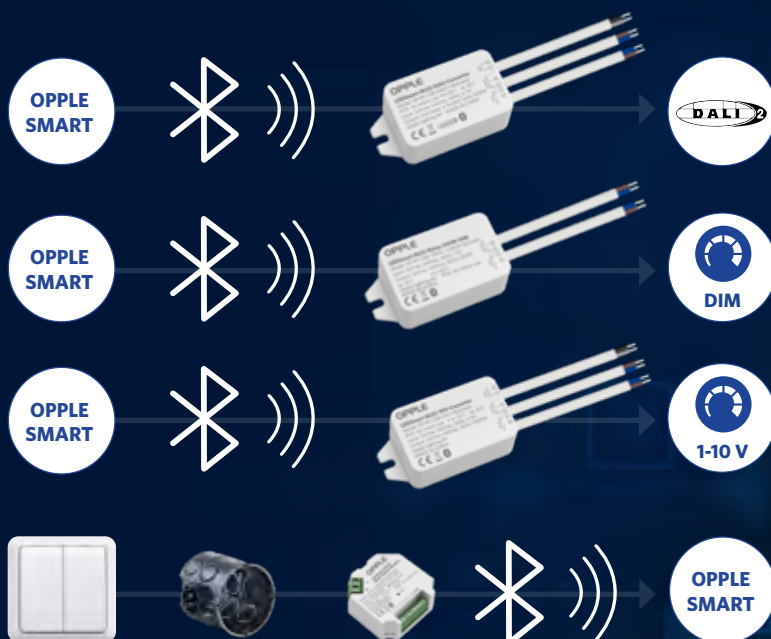
- Gateway and web UI based
- Full remote control
- SIG Mesh Standard & DALI control
- Wireless sensors and switches
- Extensive configuration options
- Energy and occupancy monitoring
- Connection to BMS possible
- Unlimited project size



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

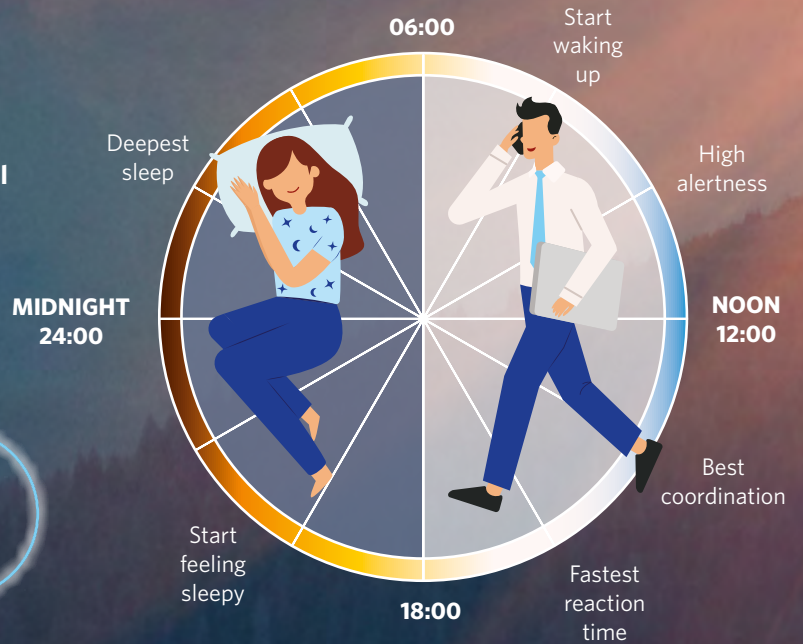


OPPLE Human Centric Lighting

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

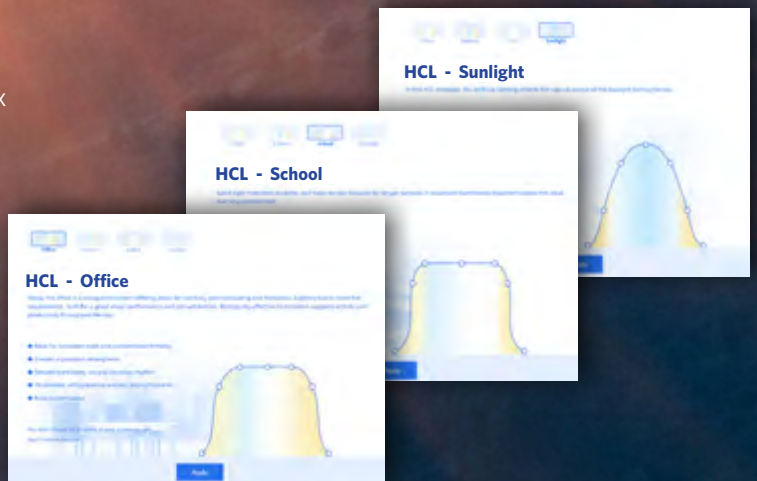


Enhanced sleeping quality



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.

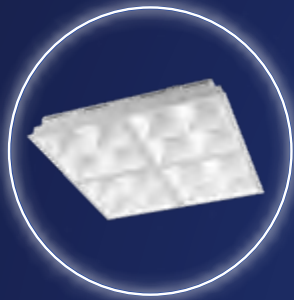
FULL HCL



HCL - Brightness only



Smart Lighting Portfolio



Panel Grille
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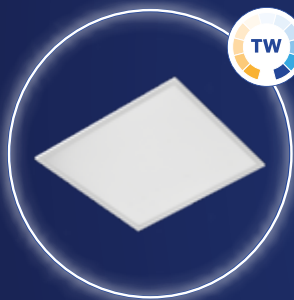
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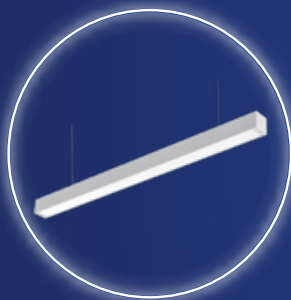
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Panel Suspended Zenith
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Downlight Performer HG
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Spot Performer 3C
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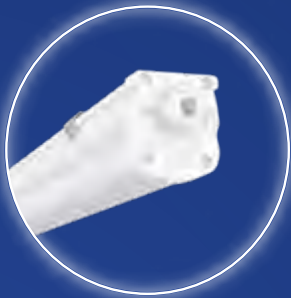


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Smart Connect Box
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Smart Sensor (Passive Infrared)
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Smart Sensor (Microwave)
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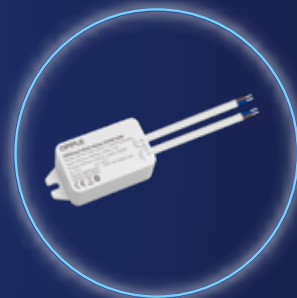
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Smart DALI Converter
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Smart 1-10V Converter
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OPPLE Smart Connect Box

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 Projects 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.

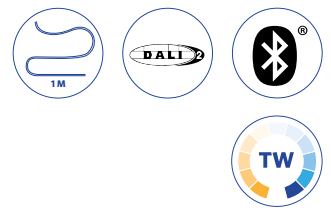


OPPLE "Classic" Smart Lighting vs Connect Box	"Classic" Smart Lighting system	Smart Connect Box system
Use of Smart Switch	✓	✓
Use of Smart Sensor	✓	✓
Daylight Control	✓	✓
Multiple managers/users per project	✓	✓
Show actual occupancy	✓	✓
Show actual temperature/humidity	✓	✓
Multiple installers per project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

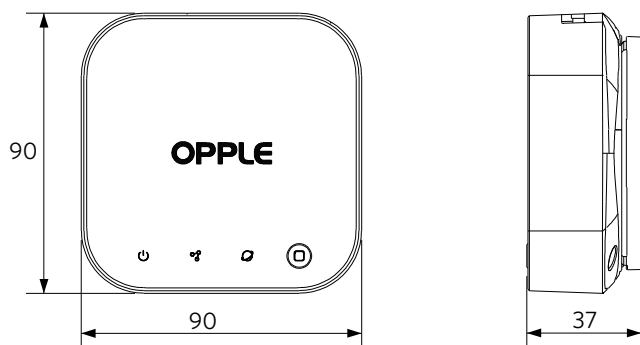
Electrical Supply	
Nominal voltage	220-240 V AC
Frequency	50/60 Hz
Output voltage	16 V DC
Output current	Max 0.2A

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



Integrated DALI power supply Yes

Dimensional drawing (mm)



821011002600 - LEDSmart-BLE2-DALI-Connect-Box





- 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

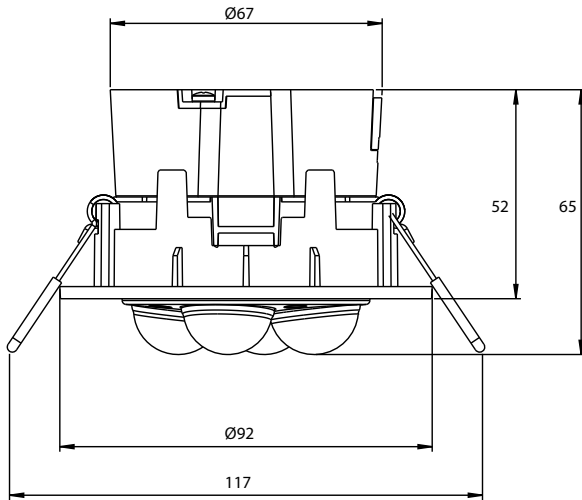
Electrical Supply	
Power consumption	1.2W
Nominal voltage	220-240 V AC
Frequency	50/60 Hz

Mechanical Properties	
Material housing	PC

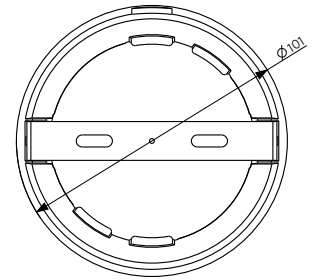
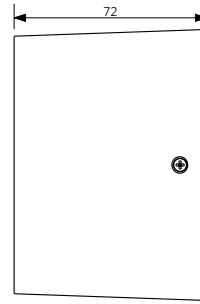
Ambient conditions	
Operating Temperature	-25-+30°C



Dimensional drawing (mm)

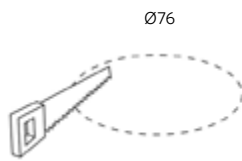


821006002000 - LEDSmart-BLE2-Rc-PIR-Sensor



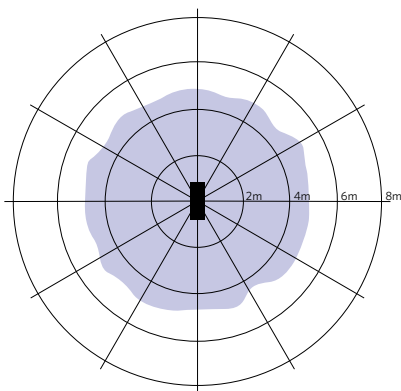
560098000600 - LEDSmart-Sensor Surface-Module-WH

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

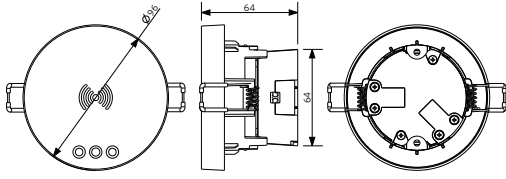
5 YEARS WARRANTY



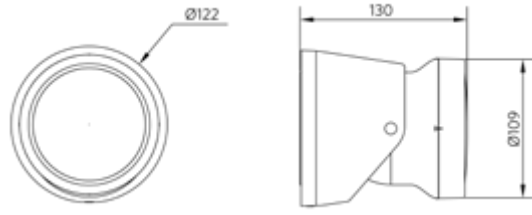
* Only in combination with IP65 accessory modules



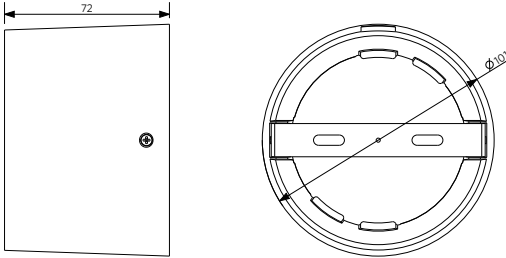
Dimensional drawing (mm)



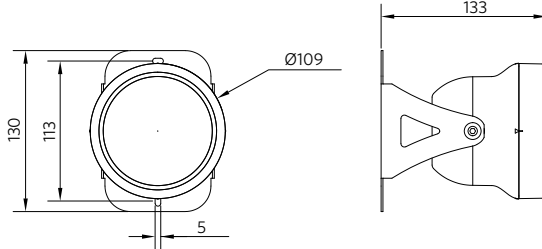
821006001800 - LEDSmart-BLE2-Rc-MW-Sensor



560006000900 - LEDSmart-Sensor IP65-Base-Module

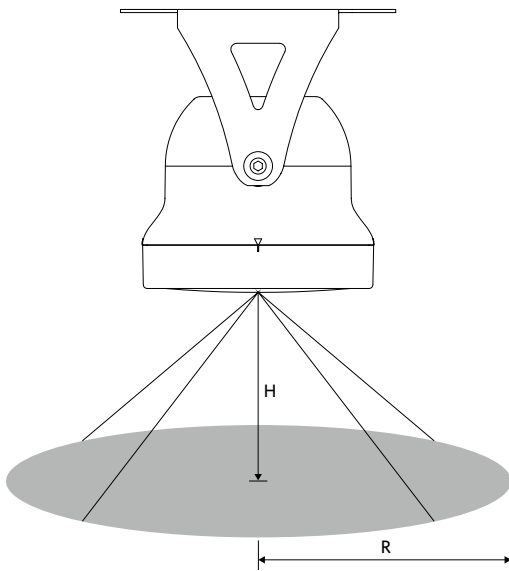


560098000600 - LEDSmart-Sensor Surface-Module-WH

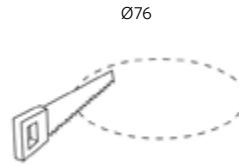


560006001000 - LEDSmart-Sensor IP65-Module

Detection range

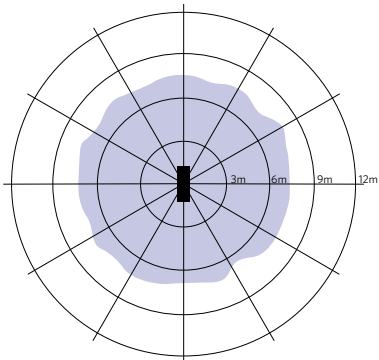


Installation opening drawing (mm)

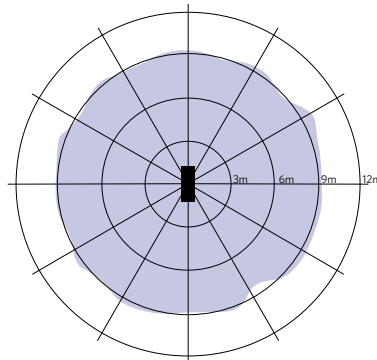


821006001800 - LEDSmart-BLE2-Rc-MW-Sensor

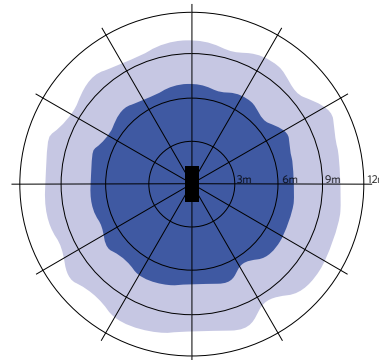
Recommended Height (m)	Sensitivity Setting	Detection Radius (m)
3	Low	7
8	Middle	9
9	High	10
12	High	7



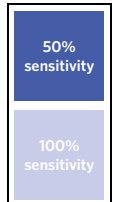
Installation - Low Ceiling
Suggested installation height 3m



Installation - Medium Ceiling
Suggested installation height 8m



Installation - High Ceiling
Suggested installation height 9-12m





- 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	Opplé Bluetooth® Low Energy Mesh (BLE2)

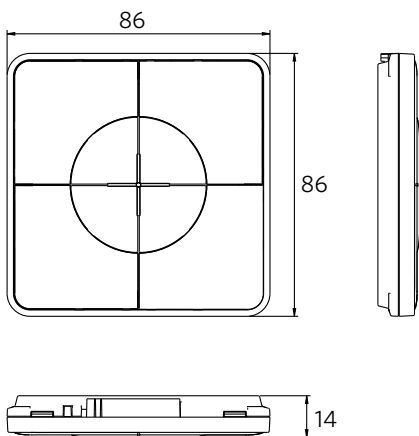
Electrical Supply	
Nominal voltage	3
Type of battery (incl.)	CR2430
Min. lifespan battery	2 years



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	Opplé Bluetooth® Low Energy Mesh (BLE2)

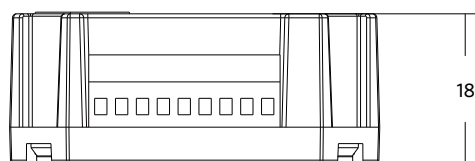
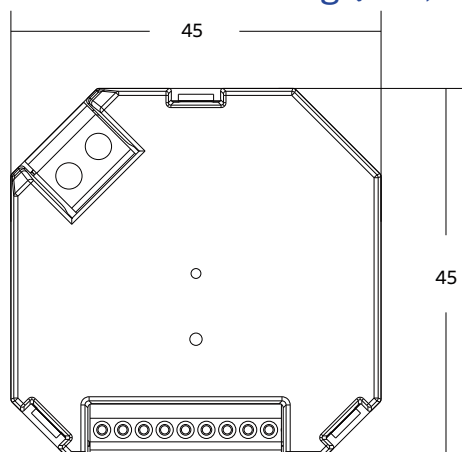
Electrical Supply	
Power Consumption	2W
Nominal voltage	220-240 V AC
Frequency	50 Hz
Inputs	8CH
Input type	Short + Long press
Connection cable mains	1.0-2.5mm ²
Input cable	0,5-1mm ²



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





- 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	Opplé Bluetooth® Low Energy Mesh (BLE2)
Max. switching capacity	1000 W LED
Max. load	1000 W

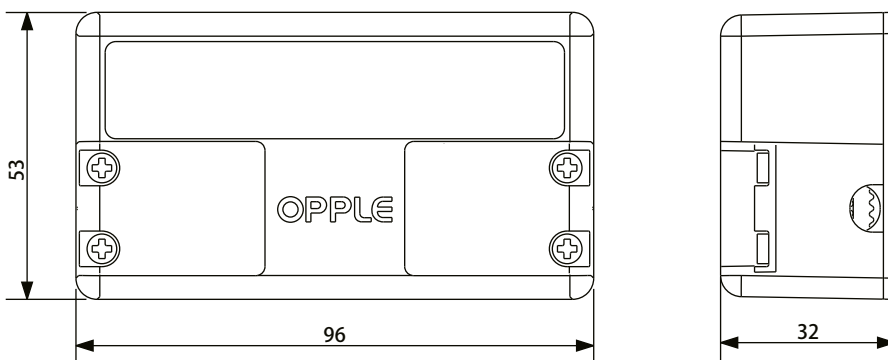
Electrical Supply	
Nominal voltage	220-240 V AC
Max. inrush or surge current I _p (20 ms)	120 A
Frequency	50/60 Hz
Connection cable	0.75-2.5mm ²

Mechanical Properties	
Material housing	PC

Ambient conditions	
Application Temperature	+25°C

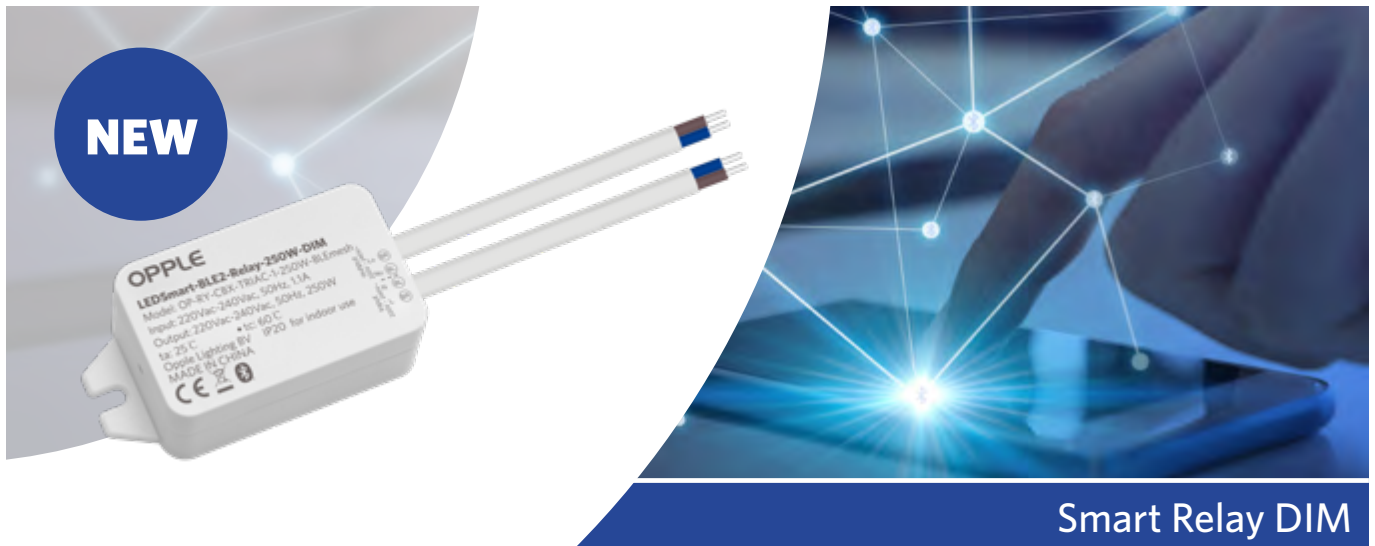


Dimensional drawing (mm)



821017003800 - 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	Opple Bluetooth® Low Energy Mesh (BLE2)
Dimming method	Triac
Max. switching capacity	250 W LED
Max. load	250 W

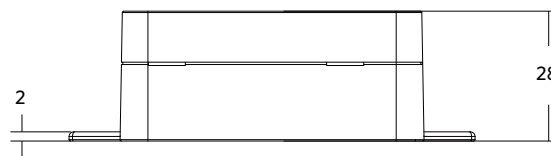
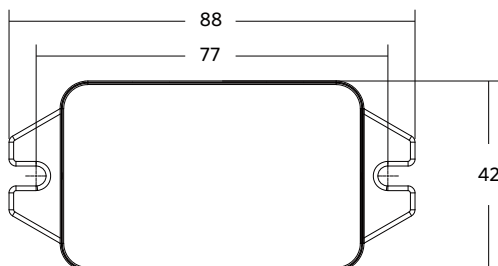
Mechanical Properties	
Material housing	PC

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

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

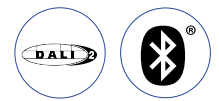


Dimensional drawing (mm)





- 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

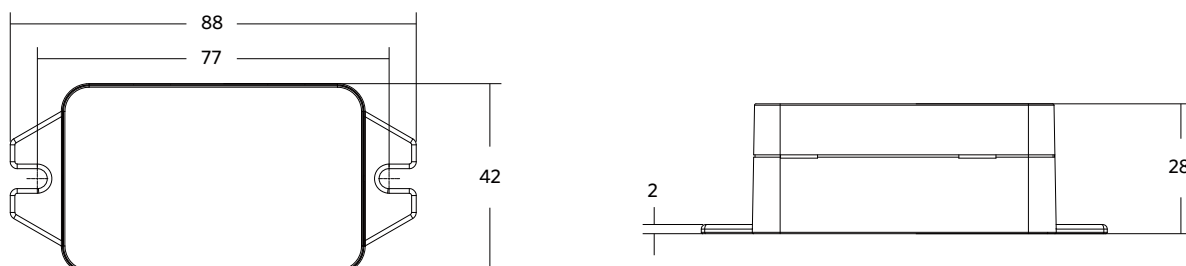
Electrical Supply	
Nominal voltage	220-240 V AC
Frequency	50 Hz
Connection cable	0.75mm ²
Cable Length	12 cm



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

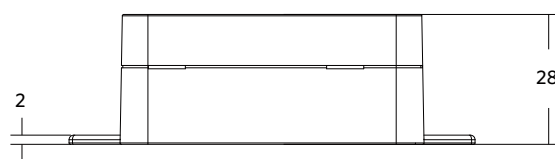
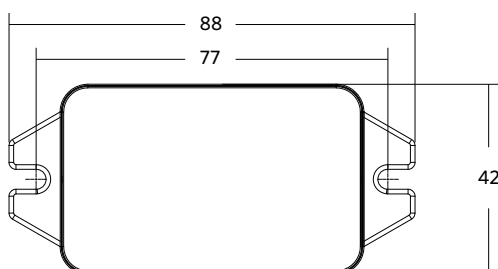
Electrical Supply	
Nominal voltage	220-240 V AC
Frequency	50 Hz
Connection cable	0.75mm ²
Cable Length	12 cm



Mechanical Properties	
Material housing	PC

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

Dimensional drawing (mm)



821017003000 - LEDSmart-BLE2-10V-Converter







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**NEW
VERSIONS**

Panel Grille

- NEW for BLE2 versions: improved wireless communication based on future-proof, standardized Bluetooth SIG Mesh protocol
- 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)	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	127.3	3000	4.85
542003131200	LEDPanelRc-G Sq598-33W-BLE2-4000-WH-CT	TL 4x18W	33	4300	130.3	4000	4.85
542003131300	LEDPanelRc-G Re298-33W-BLE2-3000-WH-CT	TL 2x36W	33	4200	127.3	3000	5.33
542003131400	LEDPanelRc-G Re298-33W-BLE2-4000-WH-CT	TL 2x36W	33	4300	130.3	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

Surface Mounting Frame	Recessed Mounting Frame			
				
140044055 LEDPanelRc-G Re298-Surface Module-CT	542098009600 LEDPanelRc Sq600-Frame-WH	542098009800 LEDPanelRc Re300-Frame-WH	140060852 LEDFixture-Ceiling-Cable-Kit- 0.5m	



5 YEARS WARRANTY



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
Colour rendering index (CRI)	≥ 80
UGR	≤ 16
Degree of protection (IP)	IP20
Impact strength	IK02
Protection class	I
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
Power factor	≥ 0.9

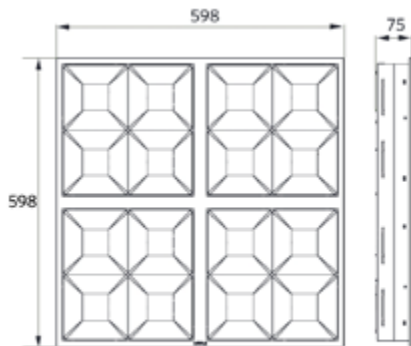
Electrical Supply	
Frequency	50/60 Hz
Nominal voltage	220-240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Coated Steel
Optical material	Polycarbonate

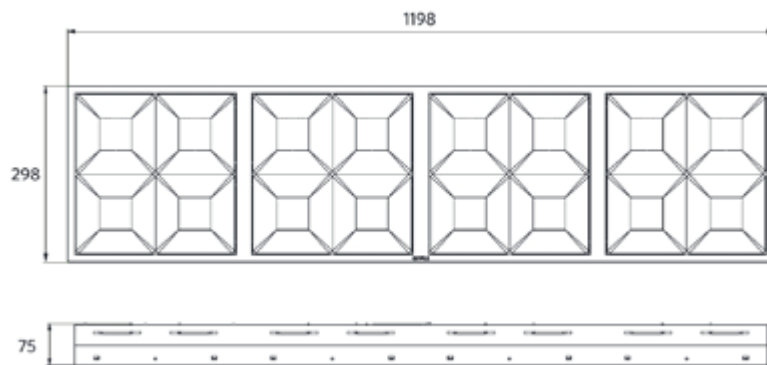
Ambient Conditions	
Operating temperature	-10-+40°C
Application temperature	+25°C
Storage environment	-25-+50°C

Dimensional Drawing (mm)

LEDPanelRc-G Sq598



LEDPanelRc-G Re298





**NEW
VERSIONS**

Panel Monza

- NEW for BLE2 versions: improved wireless communication based on future-proof, standardized Bluetooth SIG Mesh protocol
- Architectural LED panel with direct/indirect light
- Unique low glare optics
- High efficacy up to 120 lm/W
- Suitable for office applications, UGR<19
- Perfect replacement of traditional CFL 55W panels
- DALI2 driver compatible with 230V push dimming





Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	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

Recessed Mounting Frame

			
542098009600 LEDPanelRc Sq600-Frame-WH	542098000800 LEDPanelRC-SI U19 EM-kit 1h 542098000900 LEDPanelRC-SI U19 EM-kit 3h	140060852 LEDFixture-Ceiling-Cable-Kit-0.5m	542098030700 Junction-Box-WH



5 YEARS WARRANTY



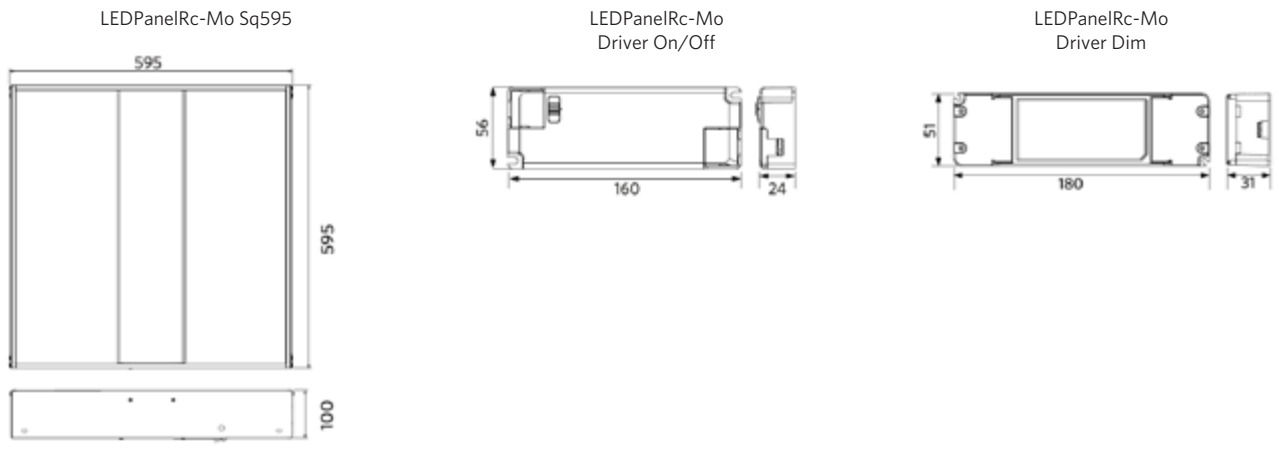
Technical Specifications	
Lifetime (L70)	70,000 h
Lifetime (L80)	60,000 h
Lifetime (L90)	50,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	3
Dimmability	On-Off / 1-10V / DALI2 / BLE2
Beam angle	90°
Finishing	White RAL9016
Colour rendering index (CRI)	≥ 80
UGR	≤ 19
Degree of protection (IP)	IP20
Impact strength	IK02
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
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	Polystyrene (PS)

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

Dimensional Drawing (mm)





**NEW
VERSIONS**

- NEW for BLE2 versions: improved wireless communication based on future-proof, standardized Bluetooth SIG Mesh protocol
- Powerful LED panel, ideal for clutter-free ceilings
- Homogenous light distribution, with low glare optics
- Robust full metal housing
- High efficacy up to 108 lm/W
- Suitable for office applications, UGR<19
- DALI2 driver compatible with 230V push dimming



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
On-Off							
542008000900	LEDPanelRc-Sy Sq595-35W-3000-WH-U19	TL 4x18W	35	3600	103	3000	3.28
542008001000	LEDPanelRc-Sy Sq595-35W-4000-WH-U19	TL 4x18W	35	3800	108	4000	3.28
542008001100	LEDPanelRc-Sy Re295-35W-3000-WH-U19	TL 2x36W	35	3600	103	3000	3.40
542008001200	LEDPanelRc-Sy Re295-35W-4000-WH-U19	TL 2x36W	35	3800	108	4000	3.40
DALI2							
542008001300	LEDPanelRc-Sy Sq595-35W-DALI-3000-WH-U19	TL 4x18W	35	3600	103	3000	3.32
542008001400	LEDPanelRc-Sy Sq595-35W-DALI-4000-WH-U19	TL 4x18W	35	3800	108	4000	3.32
542008001500	LEDPanelRc-Sy Re295-35W-DALI-3000-WH-U19	TL 2x36W	35	3600	103	3000	3.44
542008001600	LEDPanelRc-Sy Re295-35W-DALI-4000-WH-U19	TL 2x36W	35	3800	108	4000	3.44
Smart							
542004091900	LEDPanelRc-Sy Sq595-35W-BLE2-3000-WH-U19	TL 4x18W	35	3600	103	3000	3.33
542004092000	LEDPanelRc-Sy Sq595-35W-BLE2-4000-WH-U19	TL 4x18W	35	3800	108	4000	3.33
542004092100	LEDPanelRc-Sy Re295-35W-BLE2-3000-WH-U19	TL 2x36W	35	3600	103	3000	3.45
542004092200	LEDPanelRc-Sy Re295-35W-BLE2-4000-WH-U19	TL 2x36W	35	3800	108	4000	3.45
1-10V							
542008001700	LEDPanelRc-Sy Sq595-35W-10V-3000-WH-U19	TL 4x18W	35	3600	103	3000	3.32
542008001800	LEDPanelRc-Sy Sq595-35W-10V-4000-WH-U19	TL 4x18W	35	3800	108	4000	3.32
542008001900	LEDPanelRc-Sy Re295-35W-10V-3000-WH-U19	TL 2x36W	35	3600	103	3000	3.44
542008002000	LEDPanelRc-Sy Re295-35W-10V-4000-WH-U19	TL 2x36W	35	3800	108	4000	3.44

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

Surface Mounting Frame

Recessed Mounting Frame



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



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



542098017600
LEDPanelRc2 Sq600-
Surface-Kit-WH



542098017700
LEDPanelRc2 Re300-
Surface-Kit-WH



542098009600
LEDPanelRc Sq600-Frame-
WH



542098009800
LEDPanelRc Re300-Frame-
WH



140053150
LEDPanelRc-Si-E
Mounting-Springs



140055365
LEDPanel-Si-E-
Suspension-Kit



542098000800
LEDPanelRc-Si U19 EM-kit
1h



140060852
LEDFixture-Ceiling-Cable-
Kit-0.5m



542098030700
Junction-Box-WH

542098000900
LEDPanelRc-Si U19 EM-kit
3h

Technical Specifications

Lifetime (L70)	70,000 h
Lifetime (L80)	50,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	3
Dimmability	On-Off / 1-10V / DALI2 / BLE2
Beam angle	80°
Finishing	White RAL9003
Colour rendering index (CRI)	≥ 80
UGR	≤ 19
Degree of protection (IP)	IP20
Impact strength	IK02
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	850°C
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	Polycarbonate

Ambient Conditions

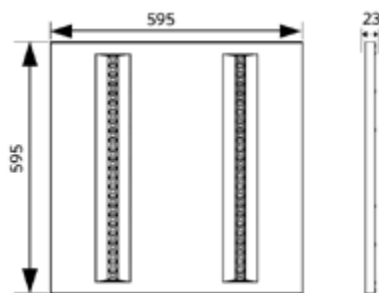
Operating temperature	-10--+40°C
Application temperature	+25°C
Storage environment	-25--+50°C

5 YEARS WARRANTY

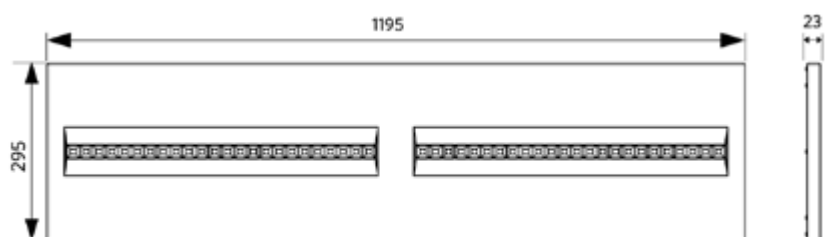


Dimensional Drawing (mm)

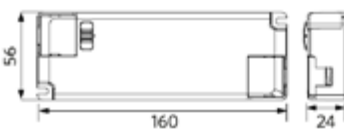
LEDPanelRc-Sy Sq595



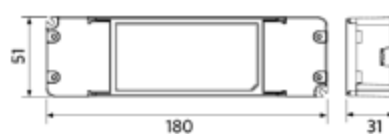
LEDPanelRc-Sy Re295



LEDPanelRc-Sy
Driver On/Off



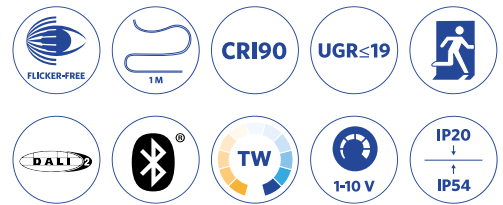
LEDPanelRc-Sy
Driver Dim





Slim Panel Performer UGR19 G6

- NEW for BLE2 versions: improved wireless communication based on future-proof, standardized Bluetooth SIG Mesh protocol
- 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)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Colour rendering index (CRI)	Weight (kg/pc)
On-Off								
542003108500	LEDPanelS-P6 Sq595-30W-830-U19	TL 4x18W	30	3900	130	3000	≥ 80	1.90
542003108600	LEDPanelS-P6 Sq595-30W-840-U19	TL 4x18W	30	4200	140	4000	≥ 80	1.90
542003108700	LEDPanelS-P6 Re295-30W-830-U19	TL 2x36W	30	3900	130	3000	≥ 80	1.91
542003108800	LEDPanelS-P6 Re295-30W-840-U19	TL 2x36W	30	4200	140	4000	≥ 80	1.91
542003111300	LEDPanelS-P6 Sq595-34W-830-U19	TL 4x18W	34	4420	130	3000	≥ 80	1.90
542003111400	LEDPanelS-P6 Sq595-34W-840-U19	TL 4x18W	34	4760	140	4000	≥ 80	1.90
542003113400	LEDPanelS-P6 Sq595-34W-940-U19	TL 4x18W	34	4080	120	4000	≥ 90	1.90
542003111500	LEDPanelS-P6 Re295-34W-830-U19	TL 2x36W	34	4420	130	3000	≥ 80	1.91
542003111600	LEDPanelS-P6 Re295-34W-840-U19	TL 2x36W	34	4760	140	4000	≥ 80	1.91
542003113500	LEDPanelS-P6 Re295-34W-940-U19	TL 2x36W	34	4080	120	4000	≥ 90	1.91
DALI2								
542003109200	LEDPanelS-P6 Sq595-30W-DALI-830-U19	TL 4x18W	30	3900	130	3000	≥ 80	1.98
542003109300	LEDPanelS-P6 Sq595-30W-DALI-840-U19	TL 4x18W	30	4200	140	4000	≥ 80	1.98
542003109400	LEDPanelS-P6 Re295-30W-DALI-830-U19	TL 2x36W	30	3900	130	3000	≥ 80	1.99
542003109500	LEDPanelS-P6 Re295-30W-DALI-840-U19	TL 2x36W	30	4200	140	4000	≥ 80	1.99



Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Colour rendering index (CRI)	Weight (kg/pc)
DALI2								
542003112000	LEDPanelS-P6 Sq595-34W-DALI-830-U19	TL 4x18W	34	4420	130	3000	≥ 80	1.98
542003112100	LEDPanelS-P6 Sq595-34W-DALI-840-U19	TL 4x18W	34	4760	140	4000	≥ 80	1.98
542003113700	LEDPanelS-P6 Sq595-34W-DALI-940-U19	TL 4x18W	34	4080	120	4000	≥ 90	1.98
542003112200	LEDPanelS-P6 Re295-34W-DALI-830-U19	TL 2x36W	34	4420	130	3000	≥ 80	1.99
542003112300	LEDPanelS-P6 Re295-34W-DALI-840-U19	TL 2x36W	34	4760	140	4000	≥ 80	1.99
542003113800	LEDPanelS-P6 Re295-34W-DALI-940-U19	TL 2x36W	34	4080	120	4000	≥ 90	1.99
Smart								
542003109900	LEDPanelS-P6 Sq595-30W-BLE2-830-U19	TL 4x18W	30	3900	130	3000	≥ 80	1.98
542003110000	LEDPanelS-P6 Sq595-30W-BLE2-840-U19	TL 4x18W	30	4200	140	4000	≥ 80	1.98
542003110100	LEDPanelS-P6 Re295-30W-BLE2-830-U19	TL 2x36W	30	3900	130	3000	≥ 80	1.99
542003110200	LEDPanelS-P6 Re295-30W-BLE2-840-U19	TL 2x36W	30	4200	140	4000	≥ 80	1.99
542003112700	LEDPanelS-P6 Sq595-34W-BLE2-830-U19	TL 4x18W	34	4420	130	3000	≥ 80	1.98
542003112800	LEDPanelS-P6 Sq595-34W-BLE2-840-U19	TL 4x18W	34	4760	140	4000	≥ 80	1.98
542003114000	LEDPanelS-P6 Sq595-34W-BLE2-940-U19	TL 4x18W	34	4080	120	4000	≥ 90	1.98
542003112900	LEDPanelS-P6 Re295-34W-BLE2-830-U19	TL 2x36W	34	4420	130	3000	≥ 80	1.99
542003113000	LEDPanelS-P6 Re295-34W-BLE2-840-U19	TL 2x36W	34	4760	140	4000	≥ 80	1.99
542003114100	LEDPanelS-P6 Re295-34W-BLE2-940-U19	TL 2x36W	34	4080	120	4000	≥ 90	1.99
Smart Tunable White								
542003108200	LEDPanelS-P6 Sq595-34W-BLE2-TW-U19	TL 4x18W	34	4760	140	2700-6500	≥ 80	2.01
542003108300	LEDPanelS-P6 Re295-34W-BLE2-TW-U19	TL 2x36W	34	4760	140	2700-6500	≥ 80	2.02
1-10V								
542003110600	LEDPanelS-P6 Sq595-30W-10V-830-U19	TL 4x18W	30	3900	130	3000	≥ 80	1.98
542003110700	LEDPanelS-P6 Sq595-30W-10V-840-U19	TL 4x18W	30	4200	140	4000	≥ 80	1.98
542003110800	LEDPanelS-P6 Re295-30W-10V-830-U19	TL 2x36W	30	3900	130	3000	≥ 80	1.99
542003110900	LEDPanelS-P6 Re295-30W-10V-840-U19	TL 2x36W	30	4200	140	4000	≥ 80	1.99

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

Surface Mounting Frame			Recessed Mounting Frame		
					
140055484 LEDPanelRc-SI Sq600-Surface-Module-WH-CT	140055486 LEDPanelRc-SI Re300-Surface-Module-WH-CT	542098017600 LEDPanelRc2 Sq600-Surface-Kit-WH	542098017700 LEDPanelRc2 Re300-Surface-Kit-WH	542098009600 LEDPanelRc Sq600-Frame-WH	542098009800 LEDPanelRc Re300-Frame-WH
					
140057770 LEDPanelRc-SI-Mounting-Springs-595	542098045500 LEDPanelS-P Suspension-Kit-G6	542098000800 LEDPanelRC-SI U19 EM-kit 1h	140060852 LEDFixture-Ceiling-Cable-Kit-0.5m	542098030700 Junction-Box-WH	
		542098000900 LEDPanelRC-SI U19 EM-kit 3h			



5 YEARS WARRANTY



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 / 1-10V / DALI2 / BLE2
Beam angle	90°
Finishing	White RAL9003
UGR	≤ 19
IP front side	IP54
IP recessed part	IP20
Impact strength	IK02
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
Power factor	≥ 0.9

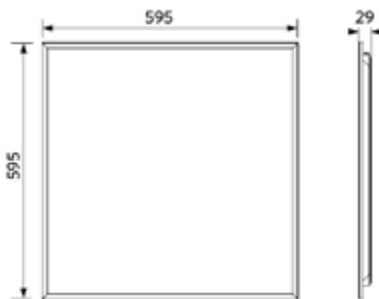
Electrical Supply	
Frequency	50/60 Hz
Nominal voltage	220-240 V
DC input voltage	See catalogue appendix Connection Specifications
230V Cable length	1 m

Mechanical Properties	
Housing material	Aluminium
Optical material	PMMA
Cover material	Polystyrene (PS)

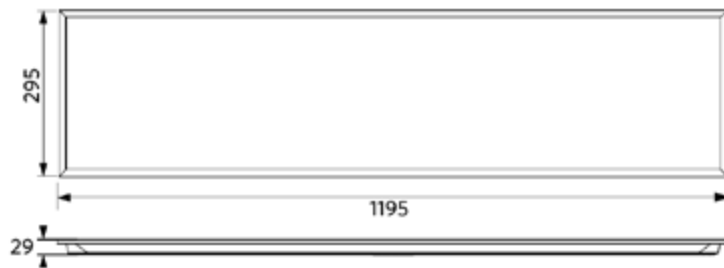
Ambient Conditions	
Operating temperature	-10-+45°C
Application temperature	+25°C
Storage environment	-20-+50°C

Dimensional Drawing (mm)

LEDPanelS-P6 Sq595



LEDPanelS-P6 Re295



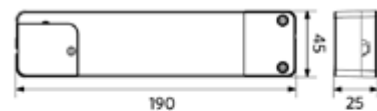
LEDPanelS-P6 Driver On/Off



LEDPanelS-P6 Driver Dim



LEDPanelS-P6 Driver Tunable White





SMART

INDOOR

OUTDOOR

LAMPS & TOOLS

TECHNICAL DATA

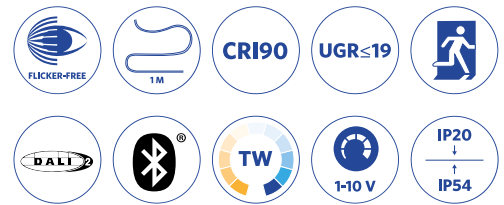
GLOSSARY





Slim Panel Performer UGR19 G5

- NEW for BLE2 versions: improved wireless communication based on future-proof, standardized Bluetooth SIG Mesh protocol
- Premium side-lit LED Slim Panel, suitable for offices (UGR19)
- Ultra-slim panel (9mm), ideal for suspended use
- Tunable white Smart version available (2700-6500K)
- Standard IP54 (front side) (except Tunable white versions)
- Recessed, suspended and surface mounting possible
- DALI2 driver compatible with 230V push dimming



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Colour rendering index (CRI)	Weight (kg/pc)
On-Off								
542004068200	LEDPanelRc-S5 Sq595-30W-830-U19	TL 4x18W	30	3750	125	3000	≥ 80	2.49
542004068300	LEDPanelRc-S5 Sq595-30W-840-U19	TL 4x18W	30	3900	130	4000	≥ 80	2.49
542004068400	LEDPanelRc-S5 Re295-30W-830-U19	TL 2x36W	30	3750	125	3000	≥ 80	2.46
542004068500	LEDPanelRc-S5 Re295-30W-840-U19	TL 2x36W	30	3900	130	4000	≥ 80	2.46
542004071000	LEDPanelRc-S5 Sq595-34W-830-U19	TL 4x18W	34	4250	125	3000	≥ 80	2.49
542004071100	LEDPanelRc-S5 Sq595-34W-840-U19	TL 4x18W	34	4420	130	4000	≥ 80	2.49
542004074600	LEDPanelRc-S5 Sq595-34W-940-U19	TL 4x18W	34	3910	115	4000	≥ 90	2.49
542004071200	LEDPanelRc-S5 Re295-34W-830-U19	TL 2x36W	34	4250	125	3000	≥ 80	2.46
542004071300	LEDPanelRc-S5 Re295-34W-840-U19	TL 2x36W	34	4420	130	4000	≥ 80	2.46
542004074800	LEDPanelRc-S5 Re295-34W-940-U19	TL 2x36W	34	3910	115	4000	≥ 90	2.46
DALI2								
542004068900	LEDPanelRc-S5 Sq595-30W-DALI-830-U19	TL 4x18W	30	3750	125	3000	≥ 80	2.49
542004069000	LEDPanelRc-S5 Sq595-30W-DALI-840-U19	TL 4x18W	30	3900	130	4000	≥ 80	2.49
542004069100	LEDPanelRc-S5 Re295-30W-DALI-830-U19	TL 2x36W	30	3750	125	3000	≥ 80	2.46
542004069200	LEDPanelRc-S5 Re295-30W-DALI-840-U19	TL 2x36W	30	3900	130	4000	≥ 80	2.46



Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Colour rendering index (CRI)	Weight (kg/pc)
DALI2								
542004071700	LEDPanelRc-S5 Sq595-34W-DALI-830-U19	TL 4x18W	34	4250	125	3000	≥ 80	2.49
542004071800	LEDPanelRc-S5 Sq595-34W-DALI-840-U19	TL 4x18W	34	4420	130	4000	≥ 80	2.49
542004075200	LEDPanelRc-S5 Sq595-34W-DALI-940-U19	TL 4x18W	34	3910	115	4000	≥ 90	2.49
542004071900	LEDPanelRc-S5 Re295-34W-DALI-830-U19	TL 2x36W	34	4250	125	3000	≥ 80	2.46
542004072000	LEDPanelRc-S5 Re295-34W-DALI-840-U19	TL 2x36W	34	4420	130	4000	≥ 80	2.46
542004075400	LEDPanelRc-S5 Re295-34W-DALI-940-U19	TL 2x36W	34	3910	115	4000	≥ 90	2.46
Smart								
542004093200	LEDPanelRc-S5 Sq595-30W-BLE2-830-U19	TL 4x18W	30	3750	125	3000	≥ 80	2.49
542004093300	LEDPanelRc-S5 Sq595-30W-BLE2-840-U19	TL 4x18W	30	3900	130	4000	≥ 80	2.49
542004093400	LEDPanelRc-S5 Re295-30W-BLE2-830-U19	TL 2x36W	30	3750	125	3000	≥ 80	2.46
542004093500	LEDPanelRc-S5 Re295-30W-BLE2-840-U19	TL 2x36W	30	3900	130	4000	≥ 80	2.46
542004093900	LEDPanelRc-S5 Sq595-34W-BLE2-830-U19	TL 4x18W	34	4250	125	3000	≥ 80	2.49
542004094000	LEDPanelRc-S5 Sq595-34W-BLE2-840-U19	TL 4x18W	34	4420	130	4000	≥ 80	2.49
542004094600	LEDPanelRc-S5 Sq595-34W-BLE2-940-U19	TL 4x18W	34	3910	115	4000	≥ 90	2.49
542004094100	LEDPanelRc-S5 Re295-34W-BLE2-830-U19	TL 2x36W	34	4250	125	3000	≥ 80	2.46
542004094200	LEDPanelRc-S5 Re295-34W-BLE2-840-U19	TL 2x36W	34	4420	130	4000	≥ 80	2.46
542004094700	LEDPanelRc-S5 Re295-34W-BLE2-940-U19	TL 2x36W	34	3910	115	4000	≥ 90	2.46
Smart Tunable White								
542004093000	LEDPanelRc-S5 Sq595-34W-BLE2-TW-U19	TL 4x18W	34	4100	120	2700-6500	≥ 80	2.49
1-10V								
542004070300	LEDPanelRc-S5 Sq595-30W-10V-830-U19	TL 4x18W	30	3750	125	3000	≥ 80	2.49
542004070400	LEDPanelRc-S5 Sq595-30W-10V-840-U19	TL 4x18W	30	3900	130	4000	≥ 80	2.49
542004070500	LEDPanelRc-S5 Re295-30W-10V-830-U19	TL 2x36W	30	3750	125	3000	≥ 80	2.46
542004070600	LEDPanelRc-S5 Re295-30W-10V-840-U19	TL 2x36W	30	3900	130	4000	≥ 80	2.46
542004073100	LEDPanelRc-S5 Sq595-34W-10V-830-U19	TL 4x18W	34	4250	125	3000	≥ 80	2.49
542004073200	LEDPanelRc-S5 Sq595-34W-10V-840-U19	TL 4x18W	34	4420	130	4000	≥ 80	2.49
542004076400	LEDPanelRc-S5 Sq595-34W-10V-940-U19	TL 4x18W	34	3910	115	4000	≥ 90	2.49
542004073300	LEDPanelRc-S5 Re295-34W-10V-830-U19	TL 2x36W	34	4250	125	3000	≥ 80	2.46
542004073400	LEDPanelRc-S5 Re295-34W-10V-840-U19	TL 2x36W	34	4420	130	4000	≥ 80	2.46
542004076600	LEDPanelRc-S5 Re295-34W-10V-940-U19	TL 2x36W	34	3910	115	4000	≥ 90	2.46

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

Surface Mounting Frame			Recessed Mounting Frame		
					
140055484 LEDPanelRc-SI Sq600-Surface-Module-WH-CT	140055486 LEDPanelRc-SI Re300-Surface-Module-WH-CT	542098017600 LEDPanelRc2 Sq600-Surface-Kit-WH	542098017700 LEDPanelRc2 Re300-Surface-Kit-WH	542098009600 LEDPanelRc Sq600-Frame-WH	542098009800 LEDPanelRc Re300-Frame-WH
					
140057770 LEDPanelRc-SI Mounting Springs-595	542098006900 LEDPanel-S4 Suspension Kit	542098000800 LEDPanelRC-SI U19 EM-kit 1h	140060852 LEDFixture-Ceiling-Cable-Kit-0.5m	542098030700 Junction-Box-WH	
		542098000900 LEDPanelRC-SI U19 EM-kit 3h			



5 YEARS WARRANTY



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 / DALI / 1-10V / BLE2
Beam angle	85°
Finishing	White RAL9003
UGR	≤ 19
IP front side	IP20 (TW) / IP54
IP recessed part	IP20
Impact strength	IK04
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
Power factor	≥ 0.9

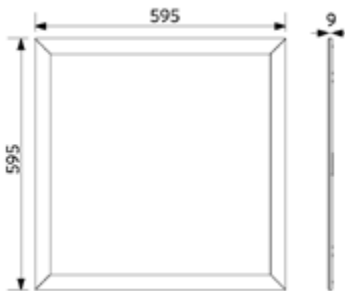
Electrical Supply	
Frequency	50/60 Hz
Nominal voltage	220-240 V
DC input voltage	See catalogue appendix Connection Specifications
230V Cable length	1 m

Mechanical Properties	
Housing material	Aluminium
Optical material	PMMA
Cover material	Polystyrene (PS)

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

Dimensional Drawing (mm)

LEDPanelRc-S5 Sq595



LEDPanelRc-S5 Re295



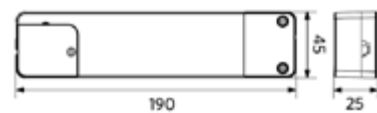
LEDPanelRc-S5
Driver On/Off



LEDPanelRc-S5
Driver Dim



LEDPanelRc-S5
Driver Tunable White





SMART

INDOOR

OUTDOOR

LAMPS & TOOLS

TECHNICAL DATA

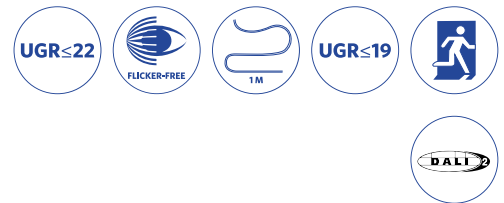
GLOSSARY





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



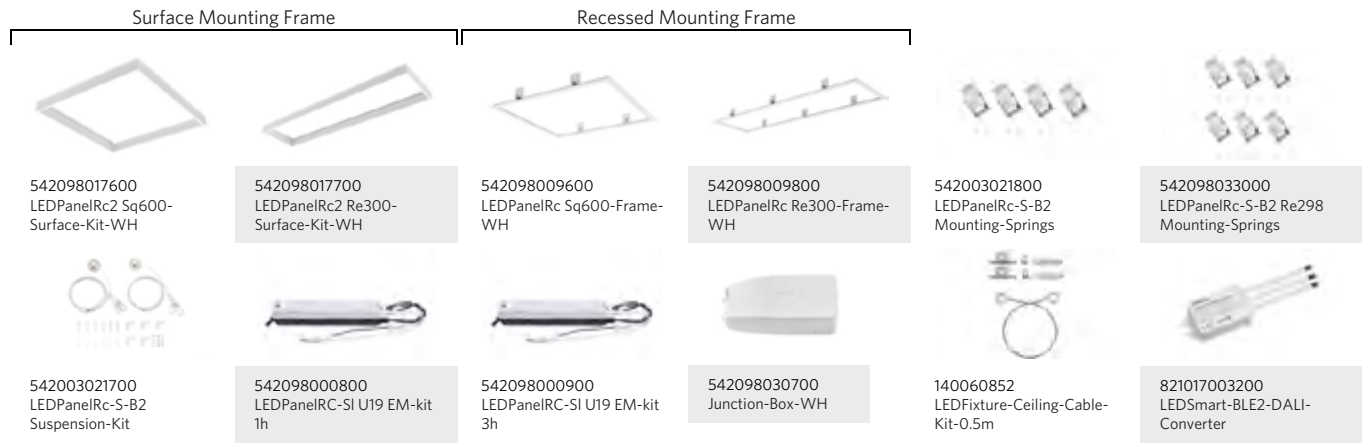
Specifications

Item Code	Item Description	Equivalent to (W)	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°	1.50
542003100800	LEDPanelS-E4 Re295-32W-DALI-840	TL 2x36W	32	4100	130	≤ 22	4000	115°	1.50

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



Accessories



Technical Specifications

Lifetime (L70)	60,000 h
Lifetime (L80)	50,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	3
Dimmability	On-Off / DALI2
Finishing	White RAL9003
Colour rendering index (CRI)	≥ 80
Degree of protection (IP)	IP20
Impact strength	IK02
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
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	Polystyrene (PS)
Cover material	Polystyrene (PS)

Ambient Conditions

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



SMART

INDOOR

OUTDOOR

LAMPS & TOOLS

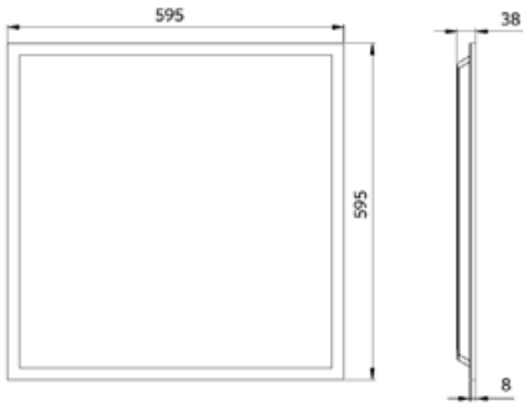
TECHNICAL DATA

GLOSSARY



Dimensional Drawing (mm)

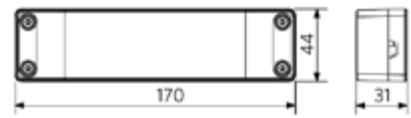
LEDPanelS-E4 Sq595-32W



LEDPanelS-E4 Re295-32W



LEDPanelS-E4
Driver On/Off



LEDPanelS-E4
Driver DALI







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)	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

Surface Mounting Frame		Recessed Mounting Frame			
542098017600 LEDPanelRc2 Sq600-Surface-Kit-WH	542098017700 LEDPanelRc2 Re300-Surface-Kit-WH	542098009600 LEDPanelRc Sq600-Frame-WH	542098009800 LEDPanelRc Re300-Frame-WH	542003021800 LEDPanelRc-S-B2 Mounting-Springs	542098033000 LEDPanelRc-S-B2 Re298 Mounting-Springs
542003021700 LEDPanelRc-S-B2 Suspension-Kit	542098030700 Junction-Box-WH	542098000800 LEDPanelRc-SI U19 EM-kit 1h	542098000900 LEDPanelRc-SI U19 EM-kit 3h	140060852 LEDFixture-Ceiling-Cable-Kit-0.5m	



3 YEARS WARRANTY



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
Colour rendering index (CRI)	≥ 80
Degree of protection (IP)	IP20
Impact strength	IK02
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
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

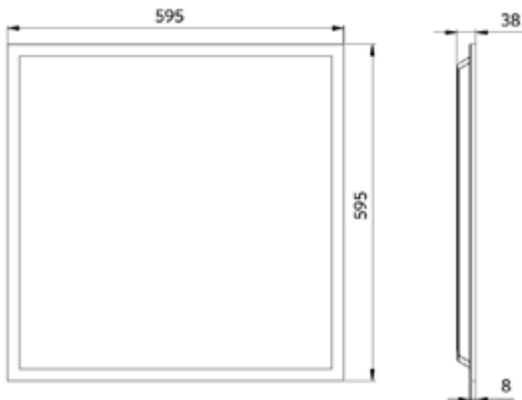
Housing material	Aluminium
Optical material	Polystyrene (PS)
Cover material	Polystyrene (PS)

Ambient Conditions

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

Dimensional Drawing (mm)

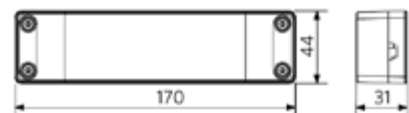
LEDPanelS-B3 Sq595-32W



LEDPanelS-B3 Re295-32W



LEDPanelS-B3 Driver



SMART

INDOOR

OUTDOOR

LAMPS & TOOLS

TECHNICAL DATA

GLOSSARY





Lima

- NEW for BLE2 versions: improved wireless communication based on future-proof, standardized Bluetooth SIG Mesh protocol
- 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)	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 version 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 version 3 hours, 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
549004003500	LEDLima L15-18W-4000-U19-DALI-EM3	TL 1x35W	18	2160	120	≤ 19	4000	3.48



Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	UGR	CCT (K)	Weight (kg/pc)
Emergency version 3 hours, DALI								
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



599006009000
LEDLima Suspension-Kit



599006008900
LEDLima Connection-Kit

Suspension length: 1.5m.

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
Dimmability	DALI / BLE2	Connection	Specifications
Beam angle	70°		
Finishing	Aluminum	Mechanical Properties	
Colour rendering index (CRI)	≥ 80	Housing material	Aluminium
Degree of protection (IP)	IP20	Optical material	Polycarbonate
Impact strength	IK02		
Protection class	I	Ambient Conditions	
Risk group (EN 62471)	RG0	Operating temperature	-10-+45°C
With control gear	Yes	Application temperature	+25°C
Glow wire test	650°C	Storage environment	-25-+50°C
Power factor	≥ 0.9		

5 YEARS WARRANTY



Dimensional Drawing (mm)

LEDLima L12



LEDLima L15





**NEW
VERSIONS**

Panel Suspended Zenith

- NEW for BLE2 versions: improved wireless communication based on future-proof, standardized Bluetooth SIG Mesh protocol
- 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)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
DALI2							
140054053	LEDPanSp-Z L1222-75W-DALI-3000-AL	TL 2x58W	75	7875	105	3000	3.90
140054054	LEDPanSp-Z L1222-75W-DALI-4000-AL	TL 2x58W	75	7875	105	4000	3.90
Smart							
542004091700	LEDPanSp-Z L1222-80W-BLE2-3000-AL	TL 2x58W	80	8600	107	3000	3.90
542004091800	LEDPanSp-Z L1222-80W-BLE2-4000-AL	TL 2x58W	80	8600	107	4000	3.90

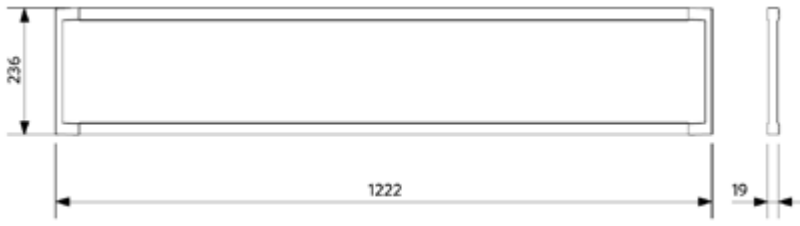
All codes include the required suspension kit. Suspension length 2.5m.
Available on request with Wieland GST18 or WAGO WINSTA connector, or Euro/Schuko plug.

Technical Specifications		Electrical Supply	
Lifetime (L70)	60,000 h	Frequency	50/60 Hz
Lifetime (L80)	40,000 h	Nominal voltage	220-240 V
On-/Off-cycles	100,000	DC input voltage	See catalogue appendix
Colour consistency (SDCM)	3	Connection	See catalogue appendix
Dimmability	DALI2 / BLE2	Specifications	See catalogue appendix
Finishing	Aluminum	Mechanical Properties	
Colour rendering index (CRI)	≥ 80	Housing material	Aluminium
UGR	≤ 19	Optical material	PMMA
Degree of protection (IP)	IP20	Cover material	Semi-opaque PMMA
Impact strength	IK02	Ambient Conditions	
Protection class	II	Operating temperature	-20~+45°C
Risk group (EN 62471)	RGO	Application temperature	+25°C
With control gear	Yes	Storage environment	-25~+50°C
Glow wire test	650°C		
Power factor	≥ 0.9		

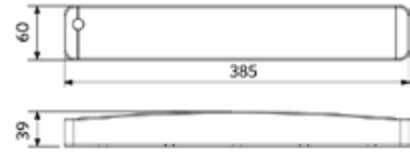


Dimensional Drawing (mm)

LEDPanelSp-Z



LEDPanelSp-Z
Driver





**NEW
VERSIONS**



Downlight Performer HG

- NEW for BLE2 versions: improved wireless communication based on future-proof, standardized Bluetooth SIG Mesh protocol
- Advanced high quality LED downlight
- Unique optical lens concept with high gloss (HG) reflector and low glare
- Low luminaire height (max 73mm)
- 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
- DALI2 driver compatible with 230V push dimming



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	UGR	CCT (K)	Colour rendering index (CRI)	Weight (kg/pc)
On-Off									
140057154	LEDDownlightRc-P-HG R150-11.5W-3000	CFL 1x18W	11.5	1240	108	≤ 19	3000	≥ 80	0.45
140057155	LEDDownlightRc-P-HG R150-11.5W-4000	CFL 1x18W	11.5	1265	110	≤ 19	4000	≥ 80	0.45
140057152	LEDDownlightRc-P-HG R200-15W-3000	CFL 1x26W	15	1620	108	≤ 19	3000	≥ 80	0.76
140057153	LEDDownlightRc-P-HG R200-15W-4000	CFL 1x26W	15	1650	110	≤ 19	4000	≥ 80	0.76
140057156	LEDDownlightRc-P-HG R200-23W-3000	CFL 2x26W	23	2480	108	≤ 19	3000	≥ 80	0.76
140057157	LEDDownlightRc-P-HG R200-23W-4000	CFL 2x26W	23	2530	110	≤ 19	4000	≥ 80	0.76
540001084000	LEDDownlightRc-P-HG R200-23W-940	CFL 2x26W	23	2530	110	≤ 19	4000	≥ 90	0.76
140057158	LEDDownlightRc-P-HG R200-33W-3000	CFL 2x32W	33	3560	108	≤ 22	3000	≥ 80	0.76
140057159	LEDDownlightRc-P-HG R200-33W-4000	CFL 2x32W	33	3630	110	≤ 22	4000	≥ 80	0.76
DALI2									
140057162	LEDDownlightRc-P-HG R150-11.5W-DALI-3000	CFL 1x18W	11.5	1240	108	≤ 19	3000	≥ 80	0.45
140057163	LEDDownlightRc-P-HG R150-11.5W-DALI-4000	CFL 1x18W	11.5	1265	110	≤ 19	4000	≥ 80	0.45
140057160	LEDDownlightRc-P-HG R200-15W-DALI-3000	CFL 1x26W	15	1620	108	≤ 19	3000	≥ 80	0.76
140057161	LEDDownlightRc-P-HG R200-15W-DALI-4000	CFL 1x26W	15	1650	110	≤ 19	4000	≥ 80	0.76
140057164	LEDDownlightRc-P-HG R200-23W-DALI-3000	CFL 2x26W	23	2480	108	≤ 19	3000	≥ 80	0.76
140057165	LEDDownlightRc-P-HG R200-23W-DALI-4000	CFL 2x26W	23	2530	110	≤ 19	4000	≥ 80	0.76
540001084800	LEDDownlightRc-P-HG R200-23W-DALI-940	CFL 2x26W	23	2530	110	≤ 19	4000	≥ 90	0.76
140057166	LEDDownlightRc-P-HG R200-33W-DALI-3000	CFL 2x32W	33	3560	108	≤ 22	3000	≥ 80	0.76
140057167	LEDDownlightRc-P-HG R200-33W-DALI-4000	CFL 2x32W	33	3630	110	≤ 22	4000	≥ 80	0.76



Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	UGR	CCT (K)	Colour rendering index (CRI)	Weight (kg/pc)
Smart									
540001334800	LEDDownlightRc-P-HG R150-11.5W-BLE2-3000	CFL 1x18W	11.5	1240	108	≤19	3000	≥ 80	0.53
540001334900	LEDDownlightRc-P-HG R150-11.5W-BLE2-4000	CFL 1x18W	11.5	1265	110	≤19	4000	≥ 80	0.53
540001335000	LEDDownlightRc-P-HG R200-15W-BLE2-3000	CFL 1x26W	15	1620	108	≤19	3000	≥ 80	0.84
540001335100	LEDDownlightRc-P-HG R200-15W-BLE2-4000	CFL 1x26W	15	1650	110	≤19	4000	≥ 80	0.84
540001334300	LEDDownlightRc-P-HG R200-23W-BLE2-3000	CFL 2x26W	23	2480	108	≤19	3000	≥ 80	0.84
540001334400	LEDDownlightRc-P-HG R200-23W-BLE2-4000	CFL 2x26W	23	2530	110	≤19	4000	≥ 80	0.84
540001334700	LEDDownlightRc-P-HG R200-23W-BLE2-940	CFL 2x26W	23	2530	110	≤19	4000	≥ 90	0.84
540001334500	LEDDownlightRc-P-HG R200-33W-BLE2-3000	CFL 2x32W	33	3560	108	≤22	3000	≥ 80	0.84
540001334600	LEDDownlightRc-P-HG R200-33W-BLE2-4000	CFL 2x32W	33	3630	110	≤22	4000	≥ 80	0.84
Smart Tunable White									
540001335200	LEDDownlightRc-P-HG R200-25W-BLE2-TW	CFL 2x26W	25	2650	106	≤19	2700-6500	≥ 80	0.92

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

Accessories



140060646
LEDDownlightRc-P-HZ-Adapter-150-175



140061242
LEDDownlightRc-P-R150-Surface-Module-WH



549098001300
LEDDownlightRc-P EM-kit 1h



542098000800
LEDPanelRC-SI U19 EM-kit 1h



542098030700
Junction-Box-WH

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

140061243
LEDDownlightRc-P-R200-Surface-Module-WH

549098001400
LEDDownlightRc-P EM-kit 3h

542098000900
LEDPanelRC-SI U19 EM-kit 3h

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

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
Beam angle	70°
Finishing	White RAL9003
IP front side	IP44
IP recessed part	IP20
Impact strength	IK02
Protection class	II
Risk group (EN 62471)	RG0 / RG1 (23W & 33W)
With control gear	Yes
Glow wire test	650°C
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	Die-casted Aluminum
Optical material	Polycarbonate

Ambient Conditions

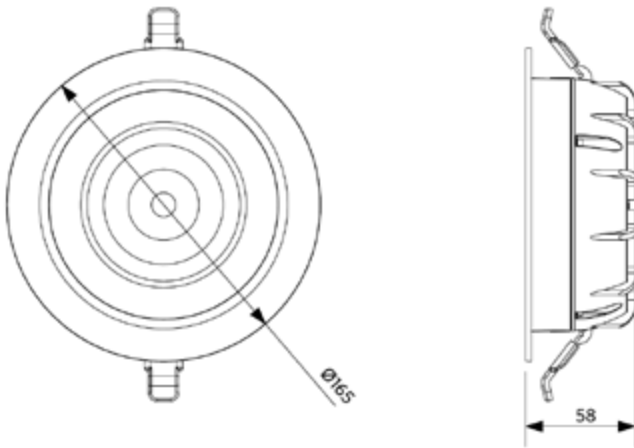
Operating temperature	-10-+40°C
Application temperature	+25°C
Storage environment	-25-+50°C

5 YEARS WARRANTY

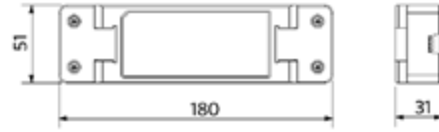


Dimensional Drawing (mm)

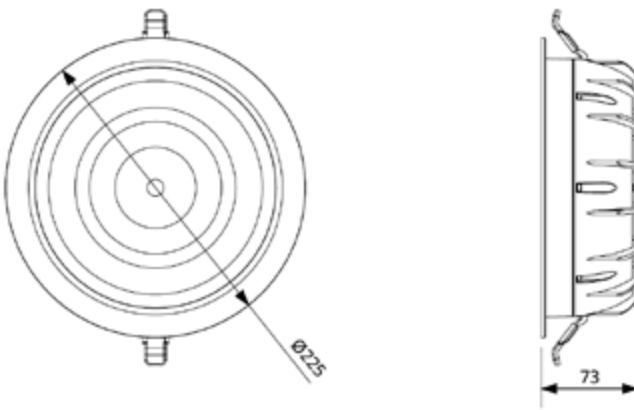
LEDDownlightRc-P-HG R150



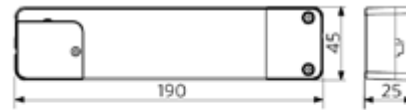
LEDDownlight Driver



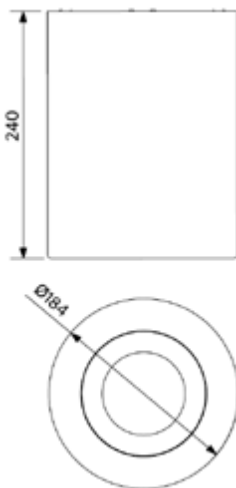
LEDDownlightRc-P-HG R200



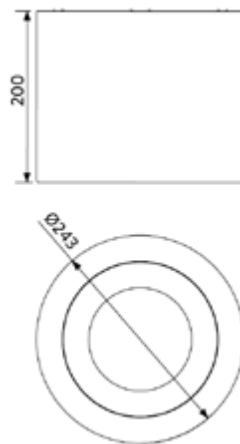
LEDDownlight Driver Tunable White



LEDDownlightRc-P-HG R150
LEDDownlightRc-P-R150-Surface-Module



LEDDownlightRc-P-HG R200
LEDDownlightRc-P-R200-Surface-Module



Installation Opening Drawing (mm)

LEDDownlightRc-P-HG R150
Ø150



LEDDownlightRc-P-HG R200
Ø200





SMART

INDOOR

OUTDOOR

LAMPS & TOOLS

TECHNICAL DATA

GLOSSARY





Downlight Performer MW

- NEW for BLE2 versions: improved wireless communication based on future-proof, standardized Bluetooth SIG Mesh protocol
- Advanced high quality LED downlight
- Unique optical lens concept with matte white (MW) reflector and low glare
- Low luminaire height (max 73mm)
- 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
- DALI2 driver compatible with 230V push dimming



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	UGR	CCT (K)	Colour rendering index (CRI)	Weight (kg/pc)
On-Off									
140057170	LEDDownlightRc-P-MW R150-11.5W-3000	CFL 1x18W	11.5	1240	108	≤ 22	3000	≥ 80	0.45
140057171	LEDDownlightRc-P-MW R150-11.5W-4000	CFL 1x18W	11.5	1265	110	≤ 22	4000	≥ 80	0.45
140057168	LEDDownlightRc-P-MW R200-15W-3000	CFL 1x26W	15	1620	108	≤ 19	3000	≥ 80	0.76
140057169	LEDDownlightRc-P-MW R200-15W-4000	CFL 1x26W	15	1650	110	≤ 19	4000	≥ 80	0.76
140057172	LEDDownlightRc-P-MW R200-23W-3000	CFL 2x26W	23	2480	108	≤ 22	3000	≥ 80	0.76
140057173	LEDDownlightRc-P-MW R200-23W-4000	CFL 2x26W	23	2530	110	≤ 22	4000	≥ 80	0.76
540001086400	LEDDownlightRc-P-MW R200-23W-940	CFL 2x26W	23	2530	110	≤ 22	4000	≥ 90	0.76
140057174	LEDDownlightRc-P-MW R200-33W-3000	CFL 2x32W	33	3560	108	≤ 22	3000	≥ 80	0.76
140057175	LEDDownlightRc-P-MW R200-33W-4000	CFL 2x32W	33	3630	110	≤ 22	4000	≥ 80	0.76
540001031800	LEDDownlightRc-P-MW R200-44W-4000	HID 70W	44	5500	106	≤ 22	4000	≥ 80	0.82
DALI2									
140057178	LEDDownlightRc-P-MW R150-11.5W-DALI-3000	CFL 1x18W	11.5	1240	108	≤ 22	3000	≥ 80	0.45
140057179	LEDDownlightRc-P-MW R150-11.5W-DALI-4000	CFL 1x18W	11.5	1265	110	≤ 22	4000	≥ 80	0.45
140057176	LEDDownlightRc-P-MW R200-15W-DALI-3000	CFL 1x26W	15	1620	108	≤ 19	3000	≥ 80	0.76
140057177	LEDDownlightRc-P-MW R200-15W-DALI-4000	CFL 1x26W	15	1650	110	≤ 19	4000	≥ 80	0.76
140057180	LEDDownlightRc-P-MW R200-23W-DALI-3000	CFL 2x26W	23	2480	108	≤ 22	3000	≥ 80	0.76
140057181	LEDDownlightRc-P-MW R200-23W-DALI-4000	CFL 2x26W	23	2530	110	≤ 22	4000	≥ 80	0.76
540001087200	LEDDownlightRc-P-MW R200-23W-DALI-940	CFL 2x26W	23	2530	110	≤ 22	4000	≥ 90	0.76
140057182	LEDDownlightRc-P-MW R200-33W-DALI-3000	CFL 2x32W	33	3560	108	≤ 22	3000	≥ 80	0.76
140057183	LEDDownlightRc-P-MW R200-33W-DALI-4000	CFL 2x32W	33	3630	110	≤ 22	4000	≥ 80	0.76



Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	UGR	CCT (K)	Colour rendering index (CRI)	Weight (kg/pc)
Smart									
540001333800	LEDDownlightRc-P-MW R150-11.5W-BLE2-3000	CFL 1x18W	11.5	1240	108	≤22	3000	≥ 80	0.53
540001333900	LEDDownlightRc-P-MW R150-11.5W-BLE2-4000	CFL 1x18W	11.5	1265	110	≤22	4000	≥ 80	0.53
540001334000	LEDDownlightRc-P-MW R200-15W-BLE2-3000	CFL 1x26W	15	1620	108	≤19	3000	≥ 80	0.84
540001334100	LEDDownlightRc-P-MW R200-15W-BLE2-4000	CFL 1x26W	15	1650	110	≤19	4000	≥ 80	0.84
540001333300	LEDDownlightRc-P-MW R200-23W-BLE2-3000	CFL 2x26W	23	2480	108	≤22	3000	≥ 80	0.84
540001333400	LEDDownlightRc-P-MW R200-23W-BLE2-4000	CFL 2x26W	23	2530	110	≤22	4000	≥ 80	0.84
540001333700	LEDDownlightRc-P-MW R200-23W-BLE2-940	CFL 2x26W	23	2530	110	≤22	4000	≥ 90	0.84
540001333500	LEDDownlightRc-P-MW R200-33W-BLE2-3000	CFL 2x32W	33	3560	108	≤22	3000	≥ 80	0.84
540001333600	LEDDownlightRc-P-MW R200-33W-BLE2-4000	CFL 2x32W	33	3630	110	≤22	4000	≥ 80	0.84
Smart Tunable White									
540001334200	LEDDownlightRc-P-MW R200-25W-BLE2-TW	CFL 2x26W	25	2650	106	≤22	2700-6500	≥ 80	0.92

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

Accessories



140060646
LEDDownlightRc-P-HZ-Adapter-150-175



140061242
LEDDownlightRc-P-R150-Surface-Module-WH



549098001300
LEDDownlightRc-P EM-kit 1h

549098001400
LEDDownlightRc-P EM-kit 3h



542098000800
LEDPanelRC-SI U19 EM-kit 1h

542098000900
LEDPanelRC-SI U19 EM-kit 3h



542098030700
Junction-Box-WH

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

140061243
LEDDownlightRc-P-R200-Surface-Module-WH

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

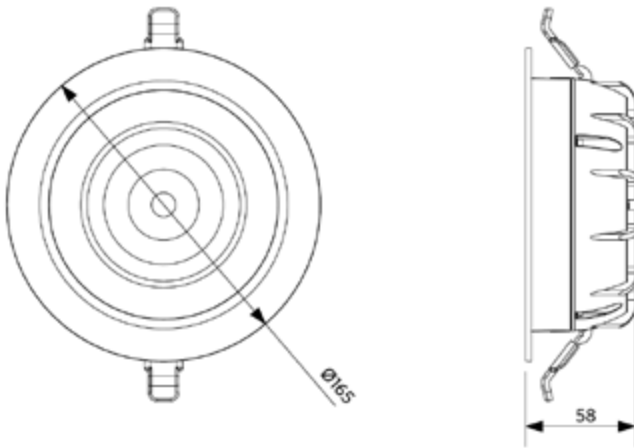
See appendix Adapter Rings Overview for adapter ring dimensional drawings.

Technical Specifications		Electrical Supply	
Lifetime (L70)	70,000 h	Frequency	50/60 Hz
Lifetime (L80)	50,000 h	Nominal voltage	220-240 V
On-/Off-cycles	100,000	DC input voltage	See catalogue appendix Connection Specifications
Colour consistency (SDCM)	3	230V Cable length	0.3 m
Dimmability	On-Off / DALI / BLE2	Mechanical Properties	
Beam angle	70°	Housing material	Die-casted Aluminum
Finishing	White RAL9003	Optical material	Polycarbonate
IP front side	IP44	Ambient Conditions	
IP recessed part	IP20	Operating temperature	-10-+40°C
Impact strength	IK02	Application temperature	+25°C
Protection class	II	Storage environment	-25-+50°C
Risk group (EN 62471)	RG0 / RG1 (23W, 33W & 44W)		
With control gear	Yes		
Glow wire test	650°C		
Power factor	≥ 0.9		

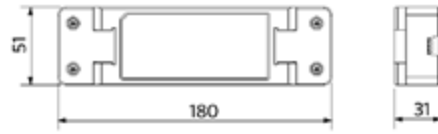


Dimensional Drawing (mm)

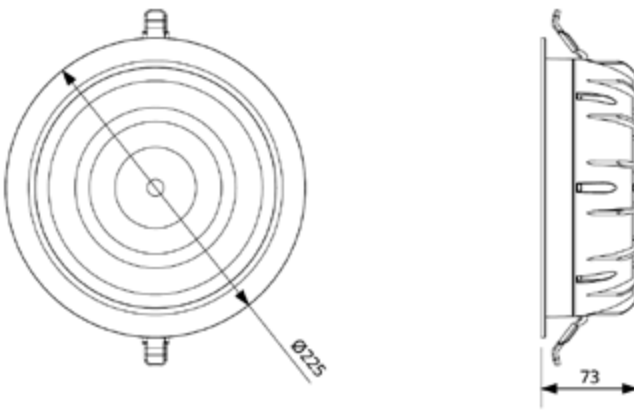
LEDDownlightRc-P-MW R150



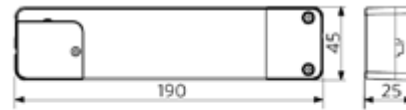
LEDDownlight Driver



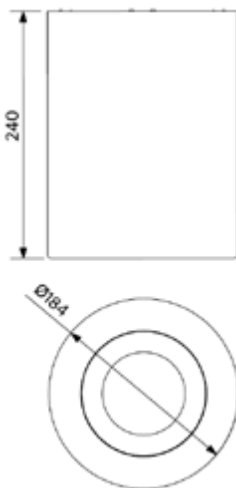
LEDDownlightRc-P-MW R200



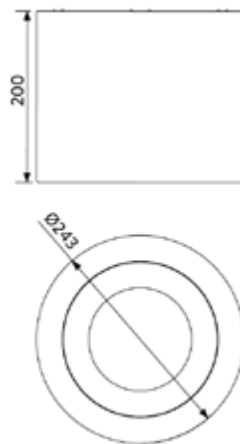
LEDDownlight Driver Tunable White



LEDDownlightRc-P-MW R150
LEDDownlightRc-P-R150-Surface-Module



LEDDownlightRc-P-MW R200
LEDDownlightRc-P-R200-Surface-Module



Installation Opening Drawing (mm)

LEDDownlightRc-P-MW R150
Ø150



LEDDownlightRc-P-MW R200
Ø200







Downlight Compact

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



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	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	0.20
540001291400	LEDDownlightCo-E Rd150-18W-840	CFL 1x26W	18	1710	95	4000	0.20
540001291500	LEDDownlightCo-E Rd200-24W-830	CFL 2x26W	24	2280	95	3000	0.32
540001291600	LEDDownlightCo-E Rd200-24W-840	CFL 2x26W	24	2400	100	4000	0.32

Accessories



140060650
LEDDownlightRc-HZdim-Adapter-125-150



140060652
LEDDownlightRc-HZdim-Adapter-200-225



542098030700
Junction-Box-WH

140060646
LEDDownlightRc-P-HZ-Adapter-150-175

140060649
LEDDownlightRc-HZdim-Adapter-200-250

See appendix Adapter Rings Overview for adapter ring dimensional drawings.



5 YEARS WARRANTY



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
Colour rendering index (CRI)	≥ 80
IP front side	IP44
IP recessed part	IP20
Impact strength	IK02
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
Displacement factor (DF)	≥ 0.9

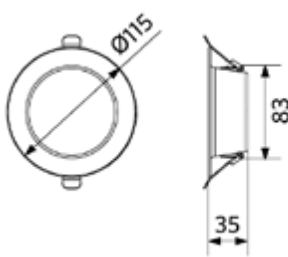
Electrical Supply	
Frequency	50/60 Hz
Nominal voltage	220-240 V
DC input voltage	No
230V Cable length	0.3 m

Mechanical Properties	
Housing material	Aluminium
Optical material	Polycarbonate

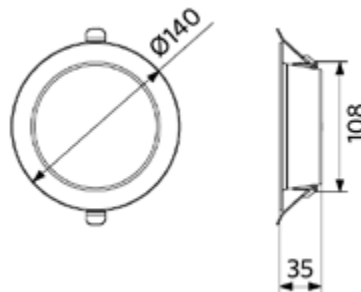
Ambient Conditions	
Operating temperature	-10-+45°C
Application temperature	+25°C
Storage environment	-25-+45°C

Dimensional Drawing (mm)

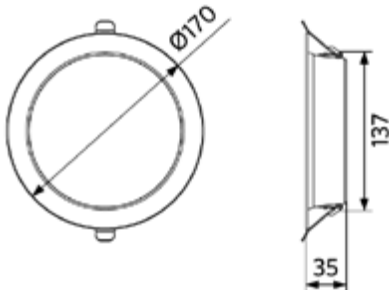
LEDDownlightCo-E Rd100



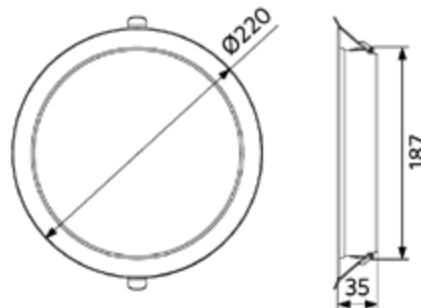
LEDDownlightCo-E Rd125



LEDDownlightCo-E Rd150



LEDDownlightCo-E Rd200



Installation Opening Drawing (mm)

LEDDownlightCo-E Rd100
Ø100



LEDDownlightCo-E Rd125
Ø125



LEDDownlightCo-E Rd150
Ø150



LEDDownlightCo-E Rd200
Ø200





Downlight Slim EcoMax

- Slim LED Downlight
- Very flat design, only 34mm height
- Available in both round and square version
- Integrated driver for easier installation
- Two lumen packages
- High efficacy of 85 lm/w
- Suitable for retrofitting due to available adapter ring sizes
- IP44 on light emitting side



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
On-Off							
140056557	LEDDownlightRc-SI-E Rd150-12W-3000-WH	CFL 1x18W	12	1020	85	3000	0.25
140056558	LEDDownlightRc-SI-E Rd150-12W-4000-WH	CFL 1x18W	12	1020	85	4000	0.25
140056559	LEDDownlightRc-SI-E Rd200-24W-3000-WH	CFL 2x26W	24	2040	85	3000	0.41
140056560	LEDDownlightRc-SI-E Rd200-24W-4000-WH	CFL 2x26W	24	2040	85	4000	0.41
140056563	LEDDownlightRc-SI-E Sq200-24W-3000-WH	CFL 2x26W	24	2040	85	3000	0.55
140056564	LEDDownlightRc-SI-E Sq200-24W-4000-WH	CFL 2x26W	24	2040	85	4000	0.55

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

Accessories



140060653
LEDDownlightRc-SI-E-Adapter-150-175



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



542098030700
Junction-Box-WH

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

See appendix Adapter Rings Overview for adapter ring dimensional drawings.



3 YEARS WARRANTY



Technical Specifications	
Lifetime (L70)	40,000 h
Lifetime (L80)	20,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	3
Dimmability	On-Off
Beam angle	112°
Finishing	White RAL9003
Colour rendering index (CRI)	≥ 80
IP front side	IP44
IP recessed part	IP20
Impact strength	IK02
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
Power factor	≥ 0.9

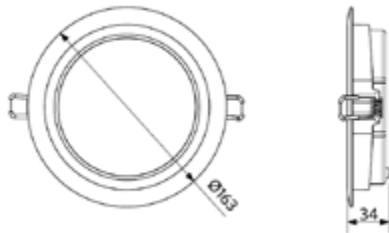
Electrical Supply	
Frequency	50/60 Hz
Nominal voltage	220-240 V
DC input voltage	No
230V Cable length	0.3 m

Mechanical Properties	
Housing material	Plastic
Optical material	Polycarbonate

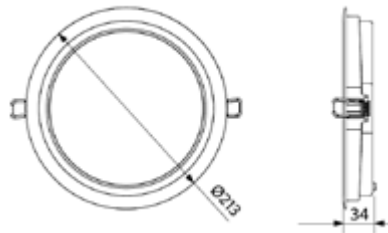
Ambient Conditions	
Operating temperature	-10-+40°C
Application temperature	+25°C
Storage environment	-25-+50°C

Dimensional Drawing (mm)

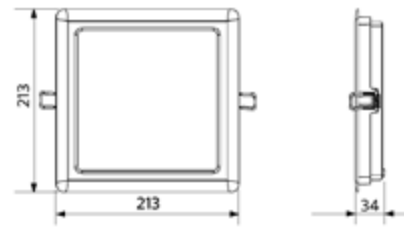
LEDDownlightRc-SI-E Rd150



LEDDownlightRc-SI-E Rd200



LEDDownlightRc-SI-E Sq200



Installation Opening Drawing (mm)

LEDDownlightRc-SI-E Rd150
Ø150



LEDDownlightRc-SI-E Rd200
Ø200



LEDDownlightRc-SI-E Sq200
200 x 200





- NEW for BLE2 versions: improved wireless communication based on future-proof, standardized Bluetooth SIG Mesh protocol
- 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
- Low glare due to matte black anti-glare ring
- Honeycomb filters available for further glare reduction
- Available in matte white (WH) and matte black (BL) versions



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Weight (kg/pc)
Dimmable (Triac)								
541001069000	LEDspot3C-C-P 12W-Dim-3000-36D-WH	Halogen 100W	12	960	80	3000	36°	0.44
541001069600	LEDspot3C-C-P 12W-Dim-3000-36D-BL	Halogen 100W	12	960	80	3000	36°	0.44
On-Off								
541001053900	LEDspot3C-C-P 25W-3000-36D-WH	HID 35W	25	2125	85	3000	36°	0.74
541001053700	LEDspot3C-C-P 25W-4000-36D-WH	HID 35W	25	2250	90	4000	36°	0.74
541001052700	LEDspot3C-C-P 25W-3000-36D-BL	HID 35W	25	2125	85	3000	36°	0.94
541001053000	LEDspot3C-C-P 25W-4000-36D-BL	HID 35W	25	2250	90	4000	36°	0.94
541001053500	LEDspot3C-C-P 35W-3000-36D-WH	HID 50W	35	2975	85	3000	36°	0.94
541001053300	LEDspot3C-C-P 35W-4000-36D-WH	HID 50W	35	3150	90	4000	36°	0.94
541001052800	LEDspot3C-C-P 35W-3000-36D-BL	HID 50W	35	2975	85	3000	36°	0.94
541001052600	LEDspot3C-C-P 35W-4000-36D-BL	HID 50W	35	3150	90	4000	36°	0.94
Smart								
541001167100	LEDspot3C-C-P 37W-BLE2-3000-36D-WH	HID 50W	37	2960	80	3000	36°	0.95
541001167200	LEDspot3C-C-P 37W-BLE2-4000-36D-WH	HID 50W	37	3145	85	4000	36°	0.95
541001167300	LEDspot3C-C-P 37W-BLE2-3000-36D-BL	HID 50W	37	2960	80	3000	36°	0.95
541001167400	LEDspot3C-C-P 37W-BLE2-4000-36D-BL	HID 50W	37	3145	85	4000	36°	0.95

Accessories



550098001000
LEDspot3C-C-P R65-
Reflector-24D



550098000300
LEDspot3C-C-P R85-
Reflector-24D



550098000500
LEDspot3C-C-P R100-
Reflector-24D



599007083000
LEDspot3C-C-P R65-
Honeycomb



599007082900
LEDspot3C-C-P R85-
Honeycomb



599007082800
LEDspot3C-C-P R100-
Honeycomb



5 YEARS WARRANTY



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
Maximum tilt angle	85°
Finishing	Matte White / Matte Black
Colour rendering index (CRI)	≥ 90
Degree of protection (IP)	IP20
Impact strength	IK02 (BLE) / IK03
Protection class	II (BLE) / I
Risk group (EN 62471)	RG1
With control gear	Yes
Glow wire test	650°C
Power factor	≥ 0,9

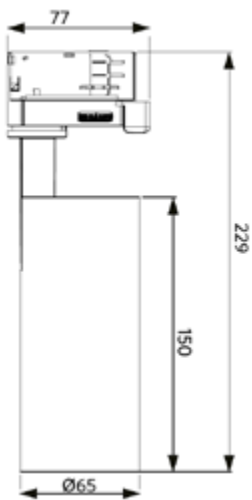
Electrical Supply	
Frequency	50/60 Hz
Nominal voltage	220-240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Aluminium
Optical material	Dome shape
Lens material	Polycarbonate

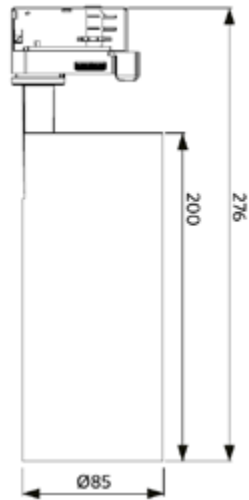
Ambient Conditions	
Operating temperature	-10-+40°C
Application temperature	+25°C
Storage environment	-25-+50°C

Dimensional Drawing (mm)

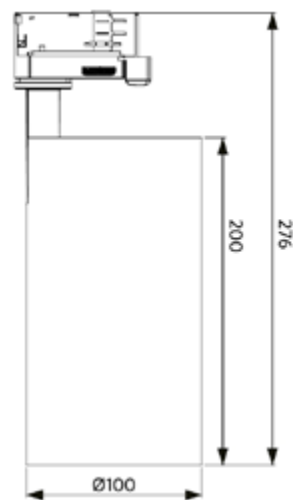
LEDspot3C-C-P 12W-Dim



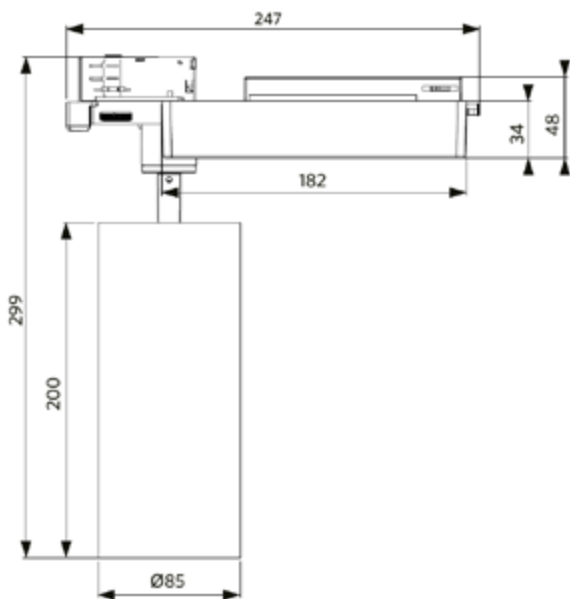
LEDspot3C-C-P 25W



LEDspot3C-C-P 35W



LEDspot3C-C-P 37W-BLE





Spot Performer 3C

- Powerful track spot with attractive design with classic cylinder and box shapes that easily fits into shop architectures
- High lumen packages with high efficacy: up to 2,550 lm and 85 lm/W
- Fitting common Global/Nordic Aluminum® 3C Tracks - and many other standard types
- Low glare due to matte black anti-glare ring
- Available in matte white (WH) and matte black (BL) versions



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Weight (kg/pc)
On-Off								
140054439	LEDSpot3C-P 30W-3000-40D-WH	HID 50W	30	2400	80	3000	40°	1.20
140054447	LEDSpot3C-P 30W-4000-40D-WH	HID 50W	30	2550	85	4000	40°	1.20
140054443	LEDSpot3C-P 30W-3000-40D-BL	HID 50W	30	2400	80	3000	40°	1.20
140054451	LEDSpot3C-P 30W-4000-40D-BL	HID 50W	30	2550	85	4000	40°	1.20

Technical Specifications	
Lifetime (L70)	50,000 h
Lifetime (L80)	30,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	3
Dimmability	On-Off
Maximum tilt angle	90°
Finishing	Matte White / Matte Black
Colour rendering index (CRI)	≥ 90
Degree of protection (IP)	IP20
Impact strength	IK02
Protection class	I
Risk group (EN 62471)	RG1
With control gear	Yes
Glow wire test	650°C
Power factor	≥ 0.9

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

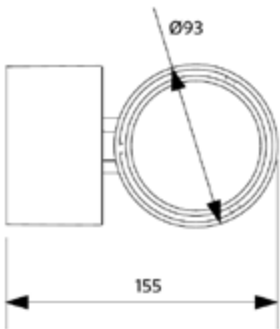
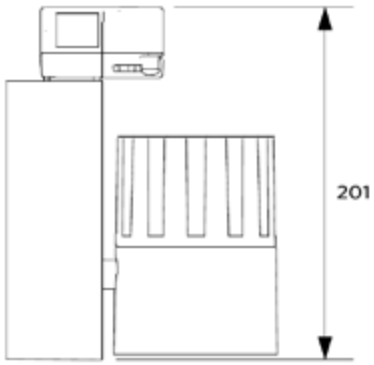
Mechanical Properties	
Housing material	Die-casted Aluminum
Optical material	Dome shape
Lens material	Polycarbonate

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



Dimensional Drawing (mm)

LEDspot3C-P 30W





Spot EcoMax 3C



- High performance compact track spot with high luminous efficiency and homogeneous light distribution
- Simple but sleek design in cylindrical shape with no visible cooling fins
- Ideal for retail stores, showrooms, offices and homes thanks to its adjustable light head
- Fitting common Global/Nordic Aluminum® 3C Tracks - and many other standard types
- Available in matte white (WH) and matte black (BL) versions

Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Weight (kg/pc)
On-Off								
541001044800	LEDSpot3C-E 30W-3000-24D-WH	HID 50W	30	2550	85	3000	24°	0.47
541001045000	LEDSpot3C-E 30W-4000-24D-WH	HID 50W	30	2700	90	4000	24°	0.47
541001044900	LEDSpot3C-E 30W-3000-24D-BL	HID 50W	30	2550	85	3000	24°	0.47
541001045100	LEDSpot3C-E 30W-4000-24D-BL	HID 50W	30	2700	90	4000	24°	0.47

Technical Specifications

Lifetime (L70)	50,000 h
Lifetime (L80)	30,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	3
Dimmability	On-Off
Maximum tilt angle	90°
Finishing	White / Black
Colour rendering index (CRI)	≥ 80
Degree of protection (IP)	IP20
Impact strength	IK02
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
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	Dome shape
Lens material	Polycarbonate

Ambient Conditions

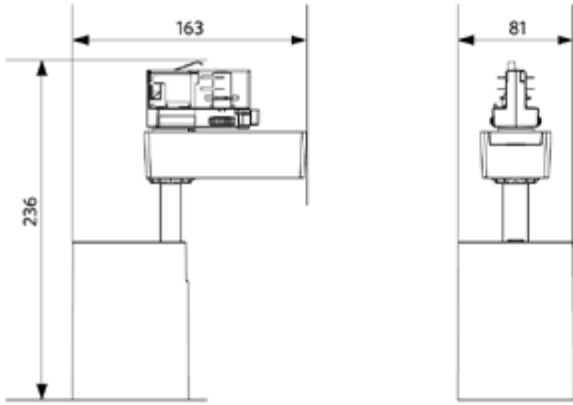
Operating temperature	-10--+40°C
Application temperature	+25°C
Storage environment	-25--+50°C

5 YEARS WARRANTY



Dimensional Drawing (mm)

LEDspot3C-E 30W





- NEW for BLE2 versions: improved wireless communication based on future-proof, standardized Bluetooth SIG Mesh protocol
- Powerful recessed, rotatable and tiltable spot
- Clean and compact design ideal for retail shops, showrooms, and hospitality environments
- Die-cast aluminium housing
- Excellent colour rendering with CRI 90
- High efficiency up to 100 lm/W
- DALI2 and Smart Lighting (BLE2) versions available
- DALI2 driver compatible with 230V push dimming



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Weight (kg/pc)
On-Off								
541003067800	LEDSpotRS-P 20W-3000-60D-WH	HID 35W	20	1800	90	3000	60°	0.60
541003067900	LEDSpotRS-P 20W-4000-60D-WH	HID 35W	20	2000	100	4000	60°	0.60
541003068200	LEDSpotRS-P 35W-3000-60D-WH	HID 50W	35	3150	90	3000	60°	1.13
541003068300	LEDSpotRS-P 35W-4000-60D-WH	HID 50W	35	3500	100	4000	60°	1.13
DALI2								
541003101500	LEDSpotRS-P 35W-3000-60D-WH-DALI	HID 50W	35	3150	90	3000	60°	1.13
541003101600	LEDSpotRS-P 35W-4000-60D-WH-DALI	HID 50W	35	3500	100	4000	60°	1.13
Smart								
541003557000	LEDSpotRS-P 35W-3000-60D-WH-BLE2	HID 50W	35	3150	90	3000	60°	1.13
541003557100	LEDSpotRS-P 35W-4000-60D-WH-BLE2	HID 50W	35	3500	100	4000	60°	1.13
1-10V								
541003102300	LEDSpotRS-P 35W-3000-60D-WH-10V	HID 50W	35	3150	90	3000	60°	1.13
541003102400	LEDSpotRS-P 35W-4000-60D-WH-10V	HID 50W	35	3500	100	4000	60°	1.13

Accessories



140060651
LEDDownlightRc-HZdim-Adapter-175-200



542098030700
Junction-Box-WH

See appendix Adapter Rings Overview for adapter ring dimensional drawings.



5 YEARS WARRANTY



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 / 1-10V / BLE2
Maximum tilt angle	40°
Finishing	White
Colour rendering index (CRI)	≥ 90
Degree of protection (IP)	IP20
Impact strength	IK03
Protection class	II
Risk group (EN 62471)	RG1
With control gear	Yes
Glow wire test	650°C
Power factor	≥ 0.9

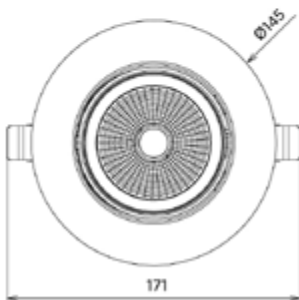
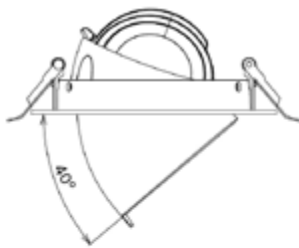
Electrical Supply	
Frequency	50/60 Hz
Nominal voltage	220-240 V
DC input voltage	See catalogue appendix Connection Specifications
230V Cable length	0.3 m

Mechanical Properties	
Housing material	Aluminium
Optical material	Dome shape

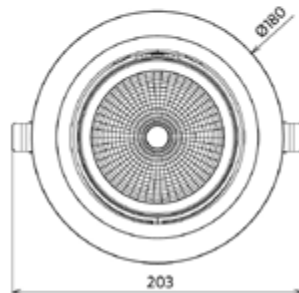
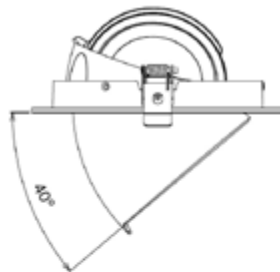
Ambient Conditions	
Operating temperature	-10-+45°C
Application temperature	+25°C
Storage environment	-25-+50°C

Dimensional Drawing (mm)

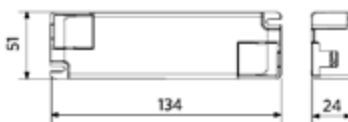
LEDSpotRS-P 20W



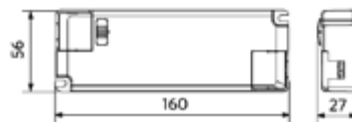
LEDSpotRS-P 35W



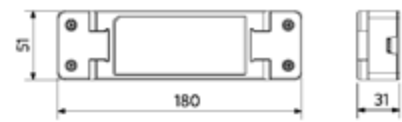
LEDSpotRS-P 20W
Driver On/Off



LEDSpotRS-P 35W
Driver On/Off



LEDSpotRS-P 35W
Driver Dim



Installation Opening Drawing (mm)

LEDSpotRS -P 20W
Ø120-130



LEDSpotRS -P 35W
Ø160-175





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)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Degree of protection (IP)	Weight (kg/pc)
Dimmable (Triac)								
140061278	LEDSpotRA HQ2 8W-Dim-2700-40D-AL-IP44	Halogen 50W	8	640	80	2700	IP44	0.40
140061279	LEDSpotRA HQ2 8W-Dim-3000-40D-AL-IP44	Halogen 50W	8	640	80	3000	IP44	0.40
140061280	LEDSpotRA HQ2 8W-Dim-4000-40D-AL-IP44	Halogen 50W	8	680	85	4000	IP44	0.40
140061281	LEDSpotRA HQ2 8W-Dim-2700-40D-WH-IP44	Halogen 50W	8	640	80	2700	IP44	0.40
140061282	LEDSpotRA HQ2 8W-Dim-3000-40D-WH-IP44	Halogen 50W	8	640	80	3000	IP44	0.40
140061283	LEDSpotRA HQ2 8W-Dim-4000-40D-WH-IP44	Halogen 50W	8	680	85	4000	IP44	0.40

Accessories



542098030700
Junction-Box-WH



821017003600
LEDsmart-BLE2-Relay-250W-DIM



5 YEARS WARRANTY



Technical Specifications

Lifetime (L70)	50,000 h
Lifetime (L80)	30,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	3.4
Dimmability	Triac
Beam angle	40°
Maximum tilt angle	23°
Finishing	White RAL9003 / Brushed Aluminum RAL 9022
Colour rendering index (CRI)	≥ 80
UGR	≤ 16
Impact strength	IK02
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	850°C
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

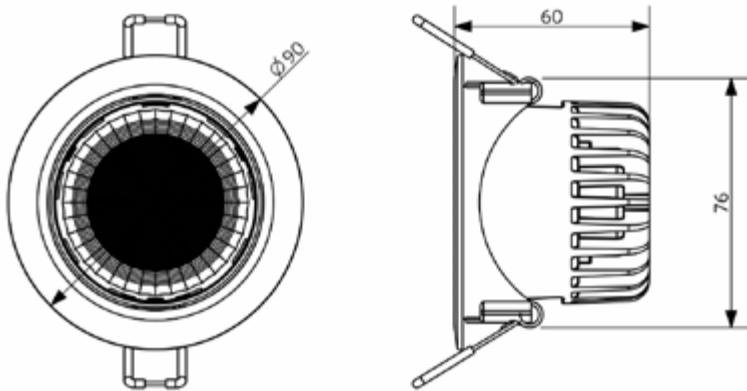
Housing material	Aluminum + Polycarbonate
Optical material	Dome shape

Ambient Conditions

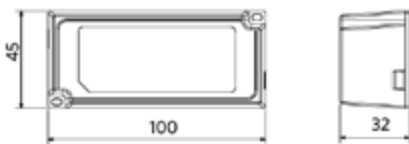
Operating temperature	-10-+40°C
Application temperature	+25°C
Storage environment	-25-+50°C

Dimensional Drawing (mm)

LEDspotRA HQ2



LEDspotRA HQ2
Driver



Installation Opening Drawing (mm)

LEDspotRA-HQ
LEDspotRA HQ2
Ø80





Spot Ava G2

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



Specifications

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

Accessories



542098030700
Junction-Box-WH



821017003600
LEDSmart-BLE2-Relay-250W-DIM



5 YEARS WARRANTY



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 / Black
Colour rendering index (CRI)	≥ 80
Degree of protection (IP)	IP44
Impact strength	IK02
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	750°C
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

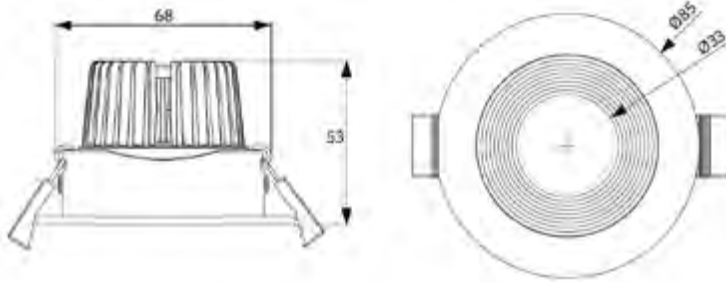
Housing material	Aluminium
Optical material	Polycarbonate

Ambient Conditions

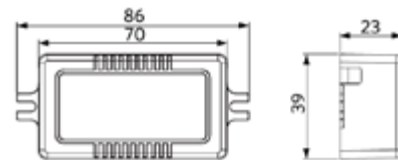
Operating temperature	-10-+45°C
Application temperature	+25°C
Storage environment	-25-+50°C

Dimensional Drawing (mm)

LEDSpotRA-Ava-E2



LEDSpotRA-Ava-E2
Driver



Installation Opening Drawing (mm)

LEDSpotRA-Ava-E2
Ø68-76





Spot Chiara

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



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
On-Off							
541003410800	LEDspotRA-Chiara-E 6W-827-36D-AL	Halogen 35W	6	450	75	2700	0.09
541003410900	LEDspotRA-Chiara-E 6W-827-36D-WH	Halogen 35W	6	450	75	2700	0.09
541003414200	LEDspotRA-Chiara-E 6W-830-36D-AL	Halogen 35W	6	450	75	3000	0.09
541003414300	LEDspotRA-Chiara-E 6W-830-36D-WH	Halogen 35W	6	450	75	3000	0.09
541003411000	LEDspotRA-Chiara-E 6W-840-36D-AL	Halogen 35W	6	480	80	4000	0.09
541003411100	LEDspotRA-Chiara-E 6W-840-36D-WH	Halogen 35W	6	480	80	4000	0.09
541003411200	LEDspotRA-Chiara-E 8W-827-36D-AL	Halogen 50W	8	600	75	2700	0.09
541003411300	LEDspotRA-Chiara-E 8W-827-36D-WH	Halogen 50W	8	600	75	2700	0.09
541003414400	LEDspotRA-Chiara-E 8W-830-36D-AL	Halogen 50W	8	600	75	3000	0.09
541003414500	LEDspotRA-Chiara-E 8W-830-36D-WH	Halogen 50W	8	600	75	3000	0.09
541003411400	LEDspotRA-Chiara-E 8W-840-36D-AL	Halogen 50W	8	640	80	4000	0.09
541003411500	LEDspotRA-Chiara-E 8W-840-36D-WH	Halogen 50W	8	640	80	4000	0.09

Accessories



542098030700
Junction-Box-WH



5 YEARS WARRANTY



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°
Maximum tilt angle	25°
Finishing	Brushed Aluminum / Matte White
Colour rendering index (CRI)	≥ 80
IP front side	IP44
IP recessed part	IP20
Impact strength	IK02
Protection class	II
Risk group (EN 62471)	RG1
With control gear	Yes
Glow wire test	650°C
Displacement factor (DF)	≥ 0.9

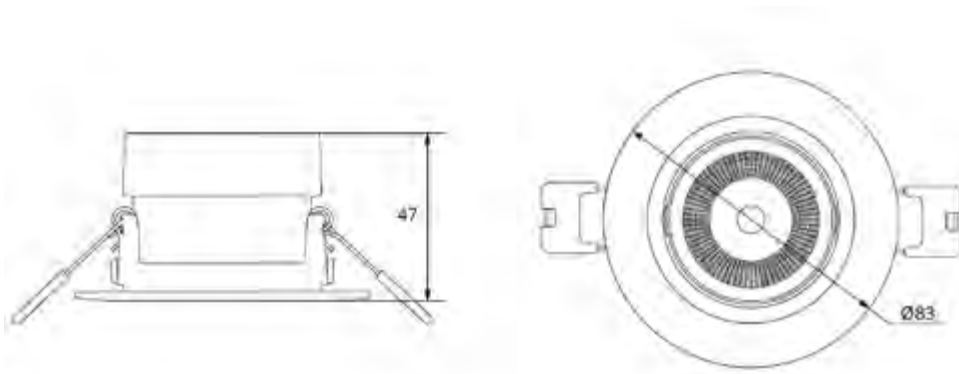
Electrical Supply	
Frequency	50/60 Hz
Nominal voltage	220-240 V
DC input voltage	See catalogue appendix Connection Specifications
230V Cable length	0.3 m

Mechanical Properties	
Housing material	Polycarbonate (PC)
Optical material	Polycarbonate

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

Dimensional Drawing (mm)

LEDspotRA-Chiara-E



Installation Opening Drawing (mm)

LEDspotRA-Chiara-E
Ø68-74





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)	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	3000/4000	No	1.30
543011000400	LEDWall-Mounted-P Rd300-21W	CFL 2x26W	21	2550	120	3000/4000	No	1.32
Motion Detection, Daylight Detection								
543011000500	LEDWall-Mounted-P Rd300-16W-MD	CFL 2x18W	16	1750	110	3000/4000	Yes	1.40
543011000300	LEDWall-Mounted-P Rd300-22W-MD	CFL 2x26W	22	2550	115	3000/4000	Yes	1.42
Emergency version 1 hour, 1-10V								
543011003600	LEDWall-Mounted-P Rd300-15W-EM1	CFL 2x18W	15	1750	115	3000/4000	No	1.48
543011003800	LEDWall-Mounted-P Rd300-21W-EM1	CFL 2x26W	21	2550	120	3000/4000	No	1.50
Emergency version 1 hour, Motion Detection, Daylight Detection								
543011003700	LEDWall-Mounted-P Rd300-16W-MD-EM1	CFL 2x18W	16	1750	110	3000/4000	Yes	1.58
543011003900	LEDWall-Mounted-P Rd300-22W-MD-EM1	CFL 2x26W	22	2550	115	3000/4000	Yes	1.60
Emergency version 3 hours, 1-10V								
543011003200	LEDWall-Mounted-P Rd300-15W-EM3	CFL 2x18W	15	1750	115	3000/4000	No	1.78
543011003400	LEDWall-Mounted-P Rd300-21W-EM3	CFL 2x26W	21	2550	120	3000/4000	No	1.80
Emergency version 3 hours, Motion Detection, Daylight Detection								
543011003300	LEDWall-Mounted-P Rd300-16W-MD-EM3	CFL 2x18W	16	1750	110	3000/4000	Yes	1.88
543011003500	LEDWall-Mounted-P Rd300-22W-MD-EM3	CFL 2x26W	22	2550	115	3000/4000	Yes	1.90

Accessories



821017003000
LEDSmart-BLE2-10V-Converter



5 YEARS WARRANTY



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 / Motion + Daylight detection (MD)
Sensor technology	No / Microwave (MW)
Finishing	White RAL9003
Colour rendering index (CRI)	≥ 80
Degree of protection (IP)	IP65
Impact strength	IK10
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	850°C
Power factor	≥ 0.9

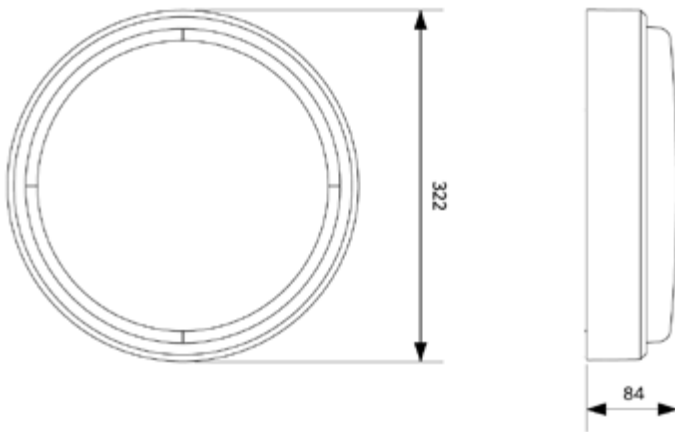
Electrical Supply	
Frequency	50/60 Hz
Nominal voltage	220-240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Polycarbonate (PC)
Optical material	Polycarbonate

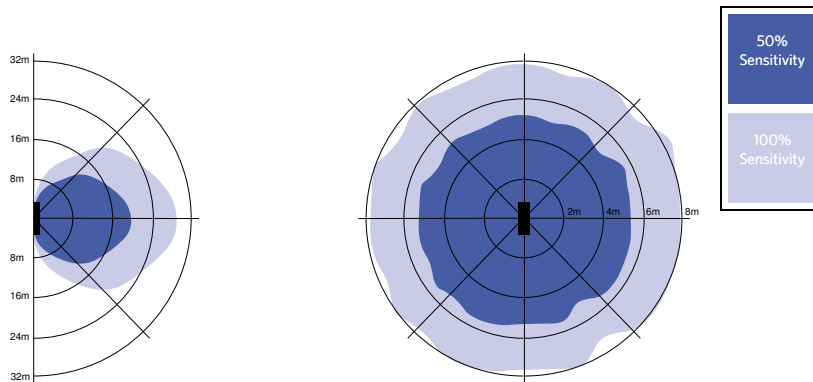
Ambient Conditions	
Operating temperature	-30-+50°C
Application temperature	+25°C
Storage environment	-30-+60°C

Dimensional Drawing (mm)

LEDWall-Mounted-P Rd300



Motion sensors - Detection range



Installation - Wall mounted
Suggested installation height 1-4m

Installation - Ceiling mounted
Suggested installation height 2.5-10m





Wall-Mounted EcoMax G2

- 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)	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	3000/4000	No	0.70
522020001600	LEDWall-Mounted-E2 Rd275-22W	CFL 2x26W	22	2500	115	3000/4000	No	0.70
Motion Detection, Daylight Detection								
522020001700	LEDWall-Mounted-E2 Rd275-14W-MD	CFL 2x18W	14	1700	120	3000/4000	Yes	0.76
522020001500	LEDWall-Mounted-E2 Rd275-22W-MD	CFL 2x26W	22	2500	115	3000/4000	Yes	0.76
Emergency version 3 hours, On-Off								
522020001400	LEDWall-Mounted-E2 Rd275-14W-EM3	CFL 2x18W	14	1700	120	3000/4000	No	0.80
522020001200	LEDWall-Mounted-E2 Rd275-22W-EM3	CFL 2x26W	22	2500	115	3000/4000	No	0.80
Emergency version 3 hours, Motion Detection, Daylight Detection								
522020001300	LEDWall-Mounted-E2 Rd275-14W-MD-EM3	CFL 2x18W	14	1700	120	3000/4000	Yes	0.86
522020001100	LEDWall-Mounted-E2 Rd275-22W-MD-EM3	CFL 2x26W	22	2500	115	3000/4000	Yes	0.86

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 / Motion + Daylight detection (MD)
Sensor technology	No / Microwave (MW)
Finishing	White RAL9016
Colour rendering index (CRI)	≥ 80
Degree of protection (IP)	IP54
Impact strength	IK08
Protection class	II
With control gear	Yes
Glow wire test	850°C
Power factor	≥ 0.9

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

Mechanical Properties	
Housing material	Polypropylene (PP)
Optical material	Polypropylene (PP)

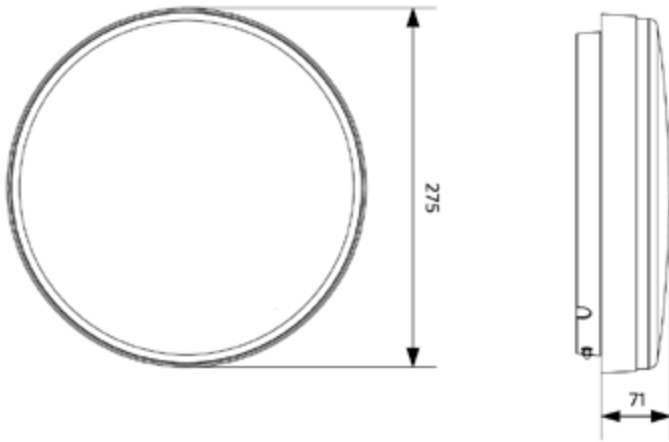
Ambient Conditions	
Operating temperature	-20-+45°C
Operating temperature EM	0-+45°C
Application temperature	+25°C
Storage environment	-20-+25°C
Storage environment EM	-20-+25°C

5 YEARS WARRANTY

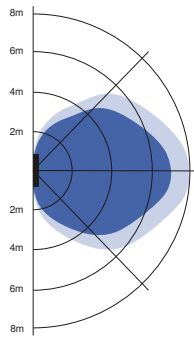


Dimensional Drawing (mm)

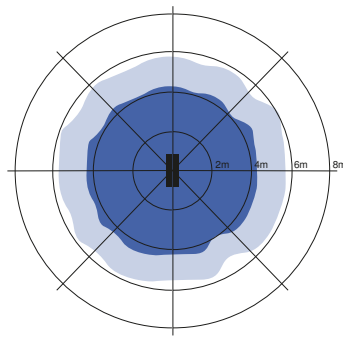
LEDWall-Mounted-E2 Rd275



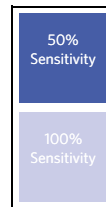
Motion sensors - Detection range



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)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
On-Off							
540001295100	LEDceilingLu-E Rd87-9W-830-WH	CFL 1x18W	9	810	90	3000	0.10
540001295500	LEDceilingLu-E Rd87-9W-830-BL	CFL 1x18W	9	810	90	3000	0.10
540001296300	LEDceilingLu-E Rd87-9W-840-WH	CFL 1x18W	9	855	95	4000	0.10
540001295600	LEDceilingLu-E Rd87-9W-840-BL	CFL 1x18W	9	855	95	4000	0.10
540001295200	LEDceilingLu-E Rd112-14W-830-WH	CFL 1x26W	14	1190	85	3000	0.17
540001295700	LEDceilingLu-E Rd112-14W-830-BL	CFL 1x26W	14	1190	85	3000	0.17
540001296400	LEDceilingLu-E Rd112-14W-840-WH	CFL 1x26W	14	1260	90	4000	0.17
540001295800	LEDceilingLu-E Rd112-14W-840-BL	CFL 1x26W	14	1260	90	4000	0.17
540001295300	LEDceilingLu-E Rd142-18W-830-WH	CFL 2x18W	18	1620	90	3000	0.27
540001295900	LEDceilingLu-E Rd142-18W-830-BL	CFL 2x18W	18	1620	90	3000	0.27
540001296500	LEDceilingLu-E Rd142-18W-840-WH	CFL 2x18W	18	1710	95	4000	0.27
540001296000	LEDceilingLu-E Rd142-18W-840-BL	CFL 2x18W	18	1710	95	4000	0.27
540001295400	LEDceilingLu-E Rd142-24W-830-WH	CFL 2x26W	24	2040	85	3000	0.27
540001296100	LEDceilingLu-E Rd142-24W-830-BL	CFL 2x26W	24	2040	85	3000	0.27
540001296600	LEDceilingLu-E Rd142-24W-840-WH	CFL 2x26W	24	2160	90	4000	0.27
540001296200	LEDceilingLu-E Rd142-24W-840-BL	CFL 2x26W	24	2160	90	4000	0.27

Accessories



542098030700
Junction-Box-WH



5 YEARS WARRANTY



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
Colour rendering index (CRI)	≥ 80
Degree of protection (IP)	IP20
Impact strength	IK02
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Displacement factor (DF)	≥ 0.9

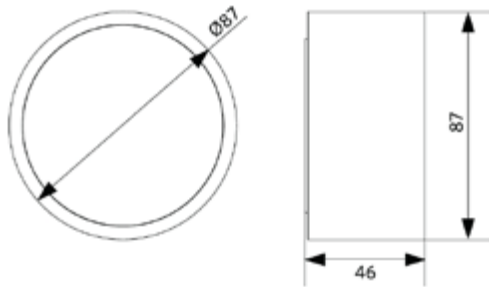
Electrical Supply	
Frequency	50/60 Hz
Nominal voltage	220-240 V
DC input voltage	No

Mechanical Properties	
Housing material	Aluminium
Optical material	Polycarbonate

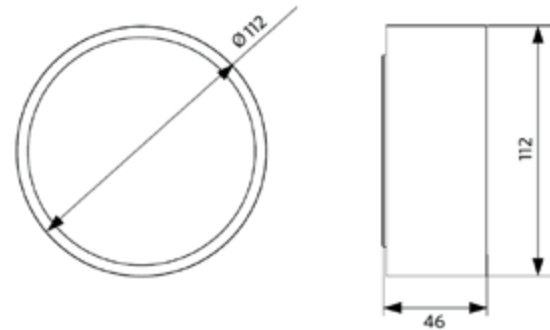
Ambient Conditions	
Operating temperature	-10-+45°C
Application temperature	+25°C
Storage environment	-25-+50°C

Dimensional Drawing (mm)

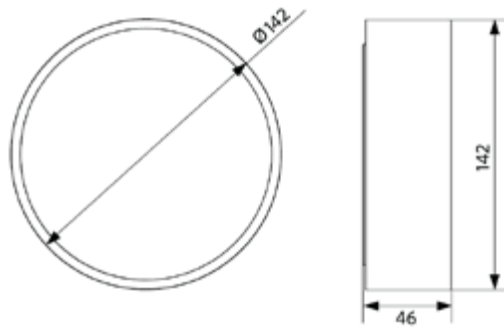
LEDCeilingLu-E Rd87



LEDCeilingLu-E Rd112



LEDCeilingLu-E Rd142





Ceiling Light Apollo

- Professional wall/ceiling luminaire with comfortable diffused light
- Easy installation on wall or ceiling
- Bracket accessory available for easy mounting on existing installations (no new screw holes needed)
- Module Clio inside
- Uniform, diffused light, creating a pleasant atmosphere
- IP44 versions also suitable for bathrooms and comparable spaces



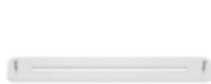
Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Degree of protection (IP)	Weight (kg/pc)
On-Off								
520020000100	LED HC300 12W 2700K Apollo III	GLS 75W	12	1150	96	2700	IP20	0.43
520020000200	LED HC300 12W 4000K Apollo III	GLS 75W	12	1250	104	4000	IP20	0.43
520021000300	LED HC350 16W 2700K IP44 Apollo III	GLS 100W	16	1450	91	2700	IP44	0.59
520021000400	LED HC350 16W 4000K IP44 Apollo III	GLS 100W	16	1580	99	4000	IP44	0.59
Dimmable (Triac)								
520021000700	LED HC350 22W DIM 2700K IP44 Apollo	GLS 100W	22	1955	89	2700	IP44	0.64
520021000800	LED HC350 22W DIM 4000K IP44 Apollo	GLS 100W	22	2040	93	4000	IP44	0.64

Accessories



140060553
LED Module sensor CT



520098000200
LED Apollo HC300 bracket



520098001800
LED Apollo HC350 bracket



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

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



3 YEARS WARRANTY



Technical Specifications	
Lifetime (L70)	30,000 h
Lifetime (L80)	20,000 h
On-/Off-cycles	100,000
Dimmability	On-Off / Triac
Beam angle	120°
Finishing	White RAL9003
Colour rendering index (CRI)	≥ 80
Impact strength	IK03
Protection class	I
Risk group (EN 62471)	RG0
With control gear	Yes

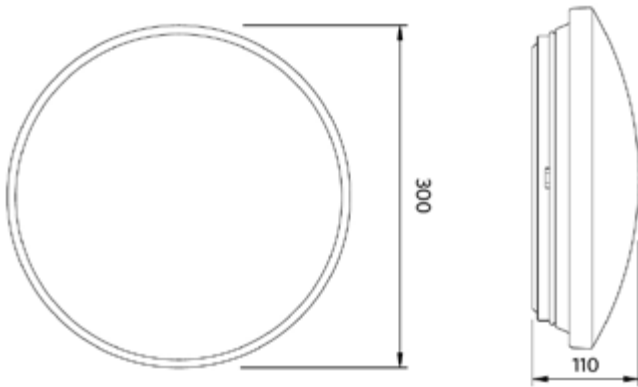
Electrical Supply	
Frequency	50/60 Hz
Nominal voltage	220-240 V
DC input voltage	No

Mechanical Properties	
Housing material	Steel
Optical material	Polycarbonate

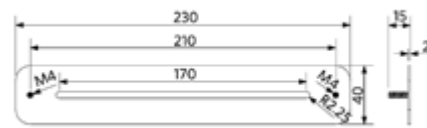
Ambient Conditions	
Operating temperature	-20-+45°C
Application temperature	+25°C
Storage environment	-25-+50°C

Dimensional Drawing (mm)

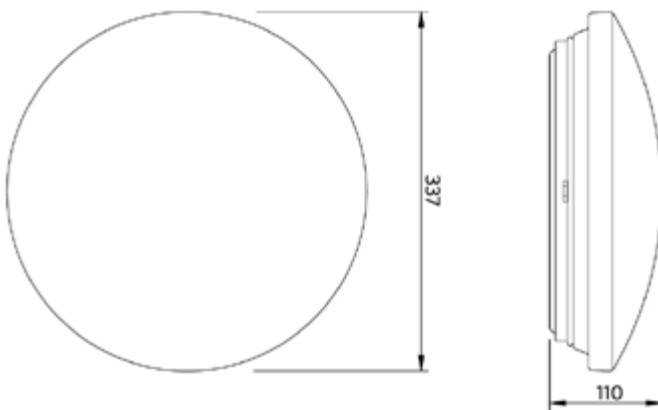
LED HC300 12W



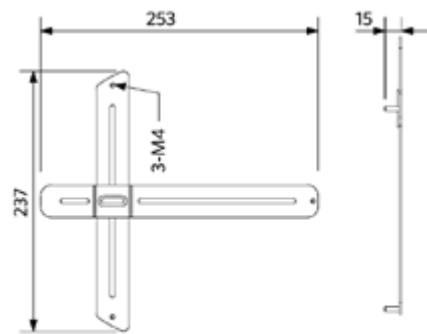
LED HC300 Bracket



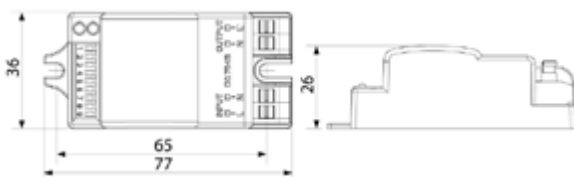
LED HC350 16W & 22W



LED HC350 Bracket



LED Module sensor CT





Ceiling Light Apollo Basic

- Cost effective wall/ceiling luminaire with comfortable diffused light
- IP44, suitable for bathrooms and comparable spaces
- Available in 3 lumen packages and 2 colors



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
On-Off							
520028005600	LED HC260 11W 2700K Apollo B	GLS 75W	11	950	86	2700	0.27
520028005700	LED HC260 11W 4000K Apollo B	GLS 75W	11	1050	95	4000	0.27
520021004400	LED HC350 17W 2700K Apollo B	GLS 100W	17	1500	88	2700	0.56
520021004500	LED HC350 17W 4000K Apollo B	GLS 100W	17	1600	94	4000	0.56
520021004600	LED HC350 23W 2700K Apollo B	GLS 100W	23	2100	91	2700	0.56
520021004700	LED HC350 23W 4000K Apollo B	GLS 100W	23	2200	96	4000	0.56

Accessories



140060553
LED Module sensor CT



520098001800
LED Apollo HC350 bracket

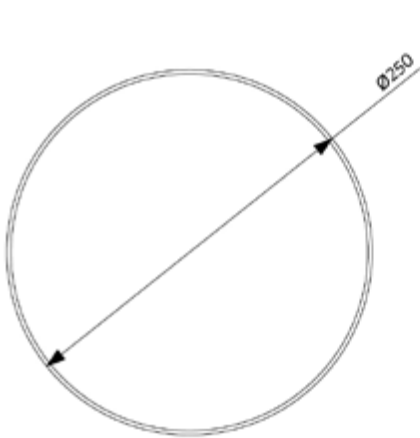
Sensor only for 17W and 23W versions. Sensor range 12m.
HC350 Bracket sold per 3.

Technical Specifications		Electrical Supply	
Lifetime (L70)	30,000 h	Frequency	50/60 Hz
Lifetime (L80)	20,000 h	Nominal voltage	220-240 V
On-/Off-cycles	100,000	DC input voltage	No
Dimmability	On-Off	Mechanical Properties	
Beam angle	120°	Housing material	Steel
Finishing	White RAL9003	Optical material	Polycarbonate
Colour rendering index (CRI)	≥ 80	Ambient Conditions	
Degree of protection (IP)	IP44	Operating temperature	-20-+45°C
Impact strength	IK03	Application temperature	+25°C
Protection class	II	Storage environment	-25-+50°C
Risk group (EN 62471)	RG0		
With control gear	Yes		

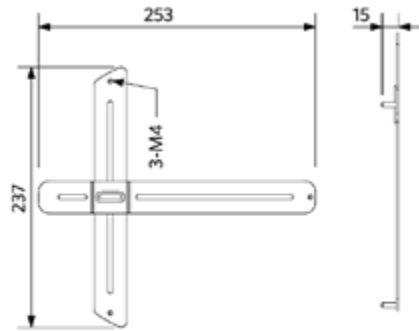


Dimensional Drawing (mm)

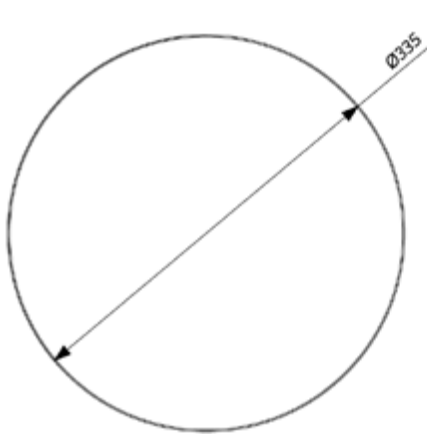
LED HC260
11W



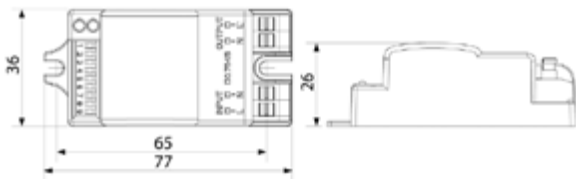
LED HC350
Bracket



LED HC350
17W & 23W



LED
Module sensor CT





Porchlight EcoMax

- Easy solution for replacing and renovating existing solutions
- 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
- To enhance safety perception, the Porchlight MD is always on at 20% light level at night, with a smooth increase to 100% output when motion is detected
- Detection range, hold time and daylight sensor settings can be easily customized via DIP switch



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	With sensor	Weight (kg/pc)
On-Off								
140064477	LEDPorch-E Re120-5W-3000K-WH	TL 8W	5	450	90	3000	No	0.80
140064478	LEDPorch-E Re120-5W-4000K-WH	TL 8W	5	500	100	4000	No	0.80
Motion Detection, Daylight Detection								
140064479	LEDPorch-E Re120-6W-3000K-MD-WH	TL 8W	6	480	80	3000	Yes	0.85
140064480	LEDPorch-E Re120-6W-4000K-MD-WH	TL 8W	6	510	85	4000	Yes	0.85
Emergency version 1 hour, On-Off								
549004004410	LEDPorch-E Re120-5W-3000K-EM1	TL 8W	5	450	90	3000	No	1.03
549004004310	LEDPorch-E Re120-5W-4000K-EM1	TL 8W	5	500	100	4000	No	1.03
Emergency version 1 hour, Motion Detection, Daylight Detection								
549004008310	LEDPorch-E Re120-6W-3000K-MD-EM1	TL 8W	6	480	80	3000	Yes	1.07
549004008210	LEDPorch-E Re120-6W-4000K-MD-EM1	TL 8W	6	510	85	4000	Yes	1.07



5 YEARS WARRANTY



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 / Motion + Daylight detection (MD)
Sensor technology	No / Microwave (MW)
Finishing	White
Colour rendering index (CRI)	≥ 80
Degree of protection (IP)	IP65
Impact strength	IK10
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
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

Material housing	Polycarbonate
Optical material	Polycarbonate

Ambient Conditions

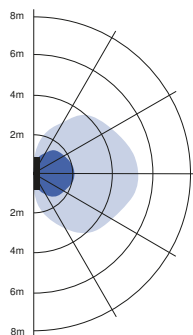
Operating temperature	-30-+50°C
Application temperature	+25°C
Storage environment	-30-+60°C

Dimensional Drawing (mm)

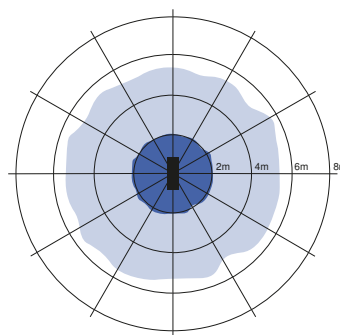
LEDPorch-E Re120



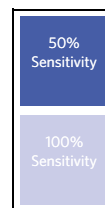
Motion sensors - Detection range



Installation - Wall mounted
Suggested installation height 1-2m



Installation - Ceiling mounted
Suggested installation height 2.5-4m





Linear EcoMax

- Easy to install LED linear solution
- Elegant but sturdy design: IP44 and IK06
- Comfortable light due to opal diffuser
- Central or side power connection
- Motion and daylight sensor accessory available
- Perfect 2x18W, 2x36W or 2x58W TL replacement



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
On-Off							
529001001000	LEDLinear-E CL06-20W-3000-WH	TL 2x18W	20	2100	105	3000	1.47
529001001100	LEDLinear-E CL06-20W-4000-WH	TL 2x18W	20	2300	115	4000	1.47
542005039700	LEDLinear-E CL12-40W-3000-WH	TL 2x36W	40	4320	108	3000	2.78
542005039800	LEDLinear-E CL12-40W-4000-WH	TL 2x36W	40	4720	118	4000	2.78
542005039900	LEDLinear-E CL15-53W-3000-WH	TL 2x58W	53	5930	112	3000	3.46
542005040000	LEDLinear-E CL15-53W-4000-WH	TL 2x58W	53	6360	120	4000	3.46
Emergency version 1 hour, On-Off							
549004010000	LEDLinear-E CL06-20W-3000-WH-EM1	TL 2x18W	20	2100	105	3000	1.77
549004010100	LEDLinear-E CL06-20W-4000-WH-EM1	TL 2x18W	20	2300	115	4000	1.77
549003003800	LEDLinear-E CL12-40W-3000-WH-EM1	TL 2x36W	40	4320	108	3000	3.03
549003003900	LEDLinear-E CL12-40W-4000-WH-EM1	TL 2x36W	40	4720	118	4000	3.03
549003004000	LEDLinear-E CL15-53W-3000-WH-EM1	TL 2x58W	53	5930	112	3000	3.73
549003004100	LEDLinear-E CL15-53W-4000-WH-EM1	TL 2x58W	53	6360	120	4000	3.73
Emergency version 3 hours, On-Off							
549004010200	LEDLinear-E CL06-20W-3000-WH-EM3	TL 2x18W	20	2100	105	3000	1.87
549004010300	LEDLinear-E CL06-20W-4000-WH-EM3	TL 2x18W	20	2300	115	4000	1.87
549003004200	LEDLinear-E CL12-40W-3000-WH-EM3	TL 2x36W	40	4320	108	3000	3.03
549003004300	LEDLinear-E CL12-40W-4000-WH-EM3	TL 2x36W	40	4720	118	4000	3.03
549003004400	LEDLinear-E CL15-53W-3000-WH-EM3	TL 2x58W	53	5930	112	3000	3.73
549003004500	LEDLinear-E CL15-53W-4000-WH-EM3	TL 2x58W	53	6360	120	4000	3.73

Accessories



140060553
LED Module sensor CT



5 YEARS WARRANTY



Technical Specifications	
Lifetime (L70)	70,000 h
Lifetime (L80)	50,000 h
On-/Off-cycles	100,000
Dimmability	On-Off
Beam angle	110°
Finishing	White RAL9003
Colour rendering index (CRI)	≥ 80
Degree of protection (IP)	IP44
Impact strength	IK06
Protection class	I
Risk group (EN 62471)	RG0
With control gear	Yes
Power factor	≥ 0.9

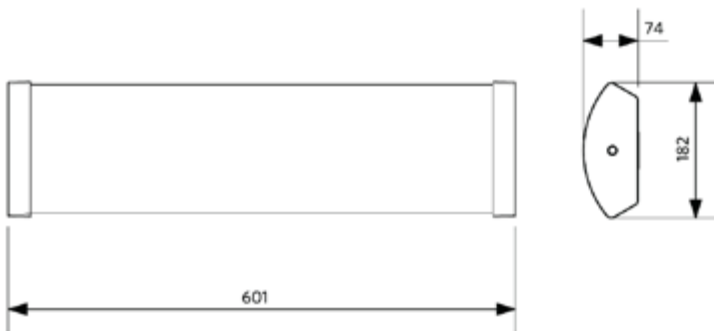
Electrical Supply	
Frequency	50/60 Hz
Nominal voltage	220-240 V
DC input voltage	No

Mechanical Properties	
Housing material	Steel
Optical material	PMMA

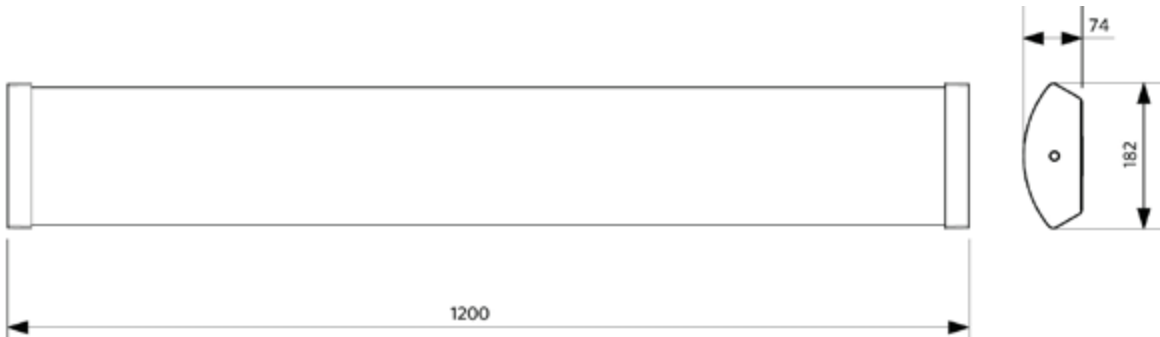
Ambient Conditions	
Operating temperature	-10-+40°C
Application temperature	+25°C
Storage environment	-25-+50°C

Dimensional Drawing (mm)

LEDLinear-E CL06



LEDLinear-E CL12



LEDLinear-E CL15





T5 Batten EcoMax

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



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	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
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
230V Connection cable length	0.3 m

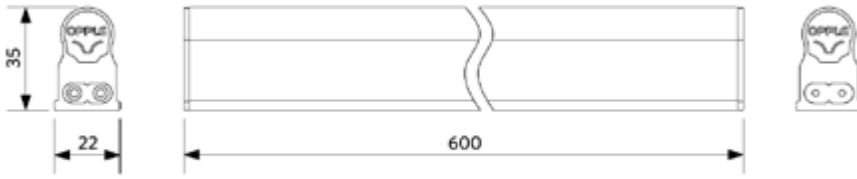
Mechanical Properties	
Material housing	Polycarbonate

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

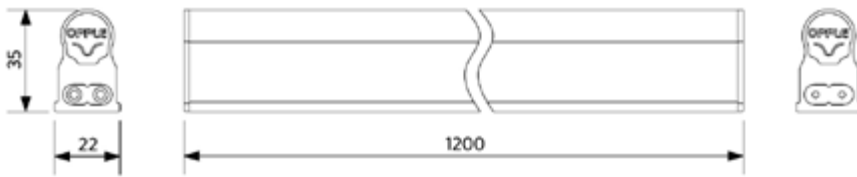


Dimensional Drawing (mm)

LED E T5 batten 600
LED P T5 batten 600



LED E T5 batten 1200
LED P T5 batten 1200



Accessories



Accessories included





- 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)
- Including integrated switch
- Free to position stainless steel mounting clips



Specifications

Item Code	Item Description	Equivalent to (W)	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	0.20
140044075	LED E T5 batten 900 11W S 4000K BL	TL 1x18W	11	1200	109	4000	0.20
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
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
230V Connection cable length	0.3 m

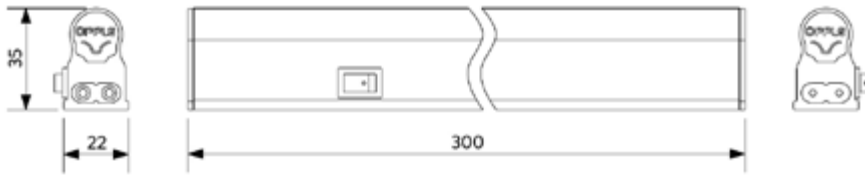
Mechanical Properties	
Material housing	Polycarbonate

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

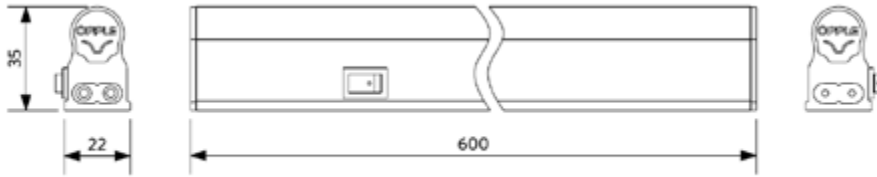


Dimensional Drawing (mm)

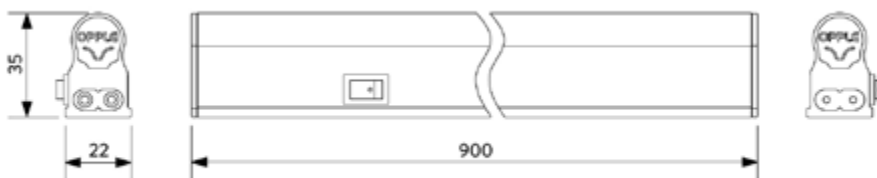
LED E T5 batten 300



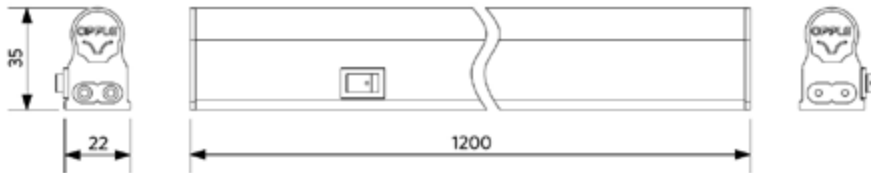
LED E T5 batten 600



LED E T5 batten 900



LED E T5 batten 1200



Accessories



Accessories included





Highbay Performer G5

- NEW for BLE2 versions: improved wireless communication based on future-proof, standardized Bluetooth SIG Mesh protocol
- 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
- 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



Specifications

Item Code	Item Description	Equivalent to (W)	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°	3.70
545001067900	LEDHighbay-P5 150W-840-N	HID 400W	150	24000	160	4000	60°	3.70
545001068100	LEDHighbay-P5 150W-840-AS	HID 400W	150	24000	160	4000	60° x 100°	3.70
545001069200	LEDHighbay-P5 150W-857-W	HID 400W	150	24000	160	5700	100°	3.70
545001069100	LEDHighbay-P5 150W-857-N	HID 400W	150	24000	160	5700	60°	3.70
545001069300	LEDHighbay-P5 150W-857-AS	HID 400W	150	24000	160	5700	60° x 100°	3.70
545001067600	LEDHighbay-P5 200W-840-W	HID 600W	200	32000	160	4000	100°	3.70
545001067700	LEDHighbay-P5 200W-840-N	HID 600W	200	32000	160	4000	60°	3.70
545001067800	LEDHighbay-P5 200W-840-AS	HID 600W	200	32000	160	4000	60° x 100°	3.70
545001068800	LEDHighbay-P5 200W-857-W	HID 600W	200	32000	160	5700	100°	3.70
545001068900	LEDHighbay-P5 200W-857-N	HID 600W	200	32000	160	5700	60°	3.70
545001069000	LEDHighbay-P5 200W-857-AS	HID 600W	200	32000	160	5700	60° x 100°	3.70



Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Weight (kg/pc)
On-Off								
545001062100	LEDHighbay-P5 240W-840-W	HID 600W	240	38400	160	4000	100°	3.70
545001062000	LEDHighbay-P5 240W-840-N	HID 600W	240	38400	160	4000	60°	3.70
545001062200	LEDHighbay-P5 240W-840-AS	HID 600W	240	38400	160	4000	60° x 100°	3.70
545001062400	LEDHighbay-P5 240W-857-W	HID 600W	240	38400	160	5700	100°	3.70
545001062300	LEDHighbay-P5 240W-857-N	HID 600W	240	38400	160	5700	60°	3.70
545001062500	LEDHighbay-P5 240W-857-AS	HID 600W	240	38400	160	5700	60° x 100°	3.70
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°	3.70
545001060800	LEDHighbay-P5 150W-DALI+BLE2-840-N	HID 400W	150	24000	160	4000	60°	3.70
545001061000	LEDHighbay-P5 150W-DALI+BLE2-840-AS	HID 400W	150	24000	160	4000	60° x 100°	3.70
545001061200	LEDHighbay-P5 150W-DALI+BLE2-857-W	HID 400W	150	24000	160	5700	100°	3.70
545001061100	LEDHighbay-P5 150W-DALI+BLE2-857-N	HID 400W	150	24000	160	5700	60°	3.70
545001061300	LEDHighbay-P5 150W-DALI+BLE2-857-AS	HID 400W	150	24000	160	5700	60° x 100°	3.70
545001061500	LEDHighbay-P5 200W-DALI+BLE2-840-W	HID 600W	200	32000	160	4000	100°	3.70
545001061400	LEDHighbay-P5 200W-DALI+BLE2-840-N	HID 600W	200	32000	160	4000	60°	3.70
545001061600	LEDHighbay-P5 200W-DALI+BLE2-840-AS	HID 600W	200	32000	160	4000	60° x 100°	3.70
545001062700	LEDHighbay-P5 240W-DALI+BLE2-840-W	HID 600W	240	38400	160	4000	100°	3.70
545001062600	LEDHighbay-P5 240W-DALI+BLE2-840-N	HID 600W	240	38400	160	4000	60°	3.70
545001062800	LEDHighbay-P5 240W-DALI+BLE2-840-AS	HID 600W	240	38400	160	4000	60° x 100°	3.70

Accessories



545098000500
LEDHighbay-P4 Bracket-D330

545098000600
LEDHighbay-P4 Bracket-D420



545098003500
LEDHighbay-P4 Reflector-D330

545098003600
LEDHighbay-P4 Reflector-D420



543098021900
LEDFixture-IP68-Connector-Kit-3



543098022000
LEDFixture-IP68-Connector-Kit-5



545098003200
LEDHighbay-Pole and Adapter

545098003900
LEDHighbay-Pole

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.

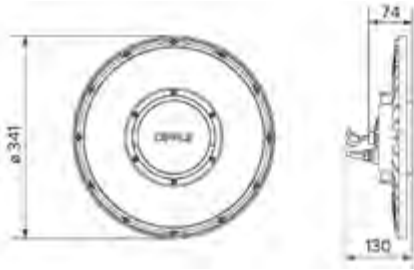
Technical Specifications		Electrical Supply	
Lifetime (L70)	100,000 h	Frequency	50/60 Hz
Lifetime (L80)	70,000 h	Nominal voltage	220-240 V
Lifetime (L90)	50,000 h	DC input voltage	See catalogue appendix
On-/Off-cycles	100,000	Connection	Specifications
Colour consistency (SDCM)	4	230V Cable length	1 m
Dimmability	On-Off / DALI2+BLE2	Mechanical Properties	
Finishing	Grey Pantone 417U	Housing material	Aluminium
Colour rendering index (CRI)	≥ 80	UV resistant	Yes
Degree of protection (IP)	IP66	Optical material	Polycarbonate
Impact strength	IK08	Cover material	Polycarbonate
Protection class	I	Ambient Conditions	
Risk group (EN 62471)	RG1	Operating temperature	-30-+50°C
With control gear	Yes	Application temperature	+25°C
Glow wire test	850°C	Storage environment	-30-+60°C
Power factor	≥ 0.9		
Surge protection	4 kV		

5 YEARS WARRANTY

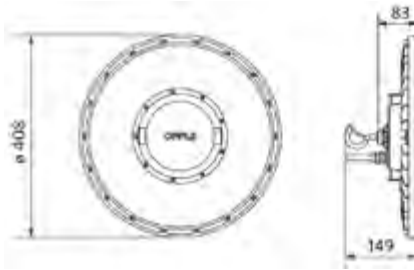


Dimensional Drawing (mm)

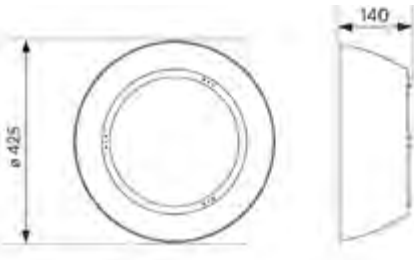
LEDHighbay-P5
80W & 110W



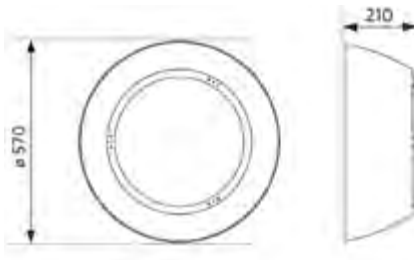
LEDHighbay-P5
150W & 200 & 240W



LEDHighbay-P5
Reflector-D330



LEDHighbay-P5
Reflector-D420



LEDHighbay-P5
Bracket-D330



LEDHighbay-P5
Bracket-D420





SMART

INDOOR

OUTDOOR

LAMPS & TOOLS

TECHNICAL DATA

GLOSSARY



Highbay EcoMax G2

- Cost effective highbay solution
- Elegant slim design
- Improved efficacy up to 130 lm/W
- Five lumen packages, up to 31,200 lm
- Narrow beam versions available (200+240W)
- Reflectors, bracket and IP68 connector available as accessory



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Weight (kg/pc)
On-Off								
545001047200	LEDHighbay-E2 80W-840-W	HID 250W	80	10400	130	4000	90°	1.74
545001047400	LEDHighbay-E2 80W-857-W	HID 250W	80	10400	130	5700	90°	1.74
545001047600	LEDHighbay-E2 120W-840-W	HID 400W	120	15600	130	4000	90°	2.41
545001047800	LEDHighbay-E2 120W-857-W	HID 400W	120	15600	130	5700	90°	2.41
545001048000	LEDHighbay-E2 150W-840-W	HID 400W	150	19500	130	4000	90°	2.41
545001048200	LEDHighbay-E2 150W-857-W	HID 400W	150	19500	130	5700	90°	2.41
545001048300	LEDHighbay-E2 200W-840-N	HID 400W HO	200	26000	130	4000	65°	3.34
545001048400	LEDHighbay-E2 200W-840-W	HID 400W HO	200	26000	130	4000	90°	3.34
545001048600	LEDHighbay-E2 200W-857-W	HID 400W HO	200	26000	130	5700	90°	3.34
545001048700	LEDHighbay-E2 240W-840-N	HID 600W	240	31200	130	4000	65°	3.34
545001048800	LEDHighbay-E2 240W-840-W	HID 600W	240	31200	130	4000	90°	3.34
545001049000	LEDHighbay-E2 240W-857-W	HID 600W	240	31200	130	5700	90°	3.34

Accessories



545098006100
LEDHighbay-E2 Reflector-
Rd407



545098006200
LEDHighbay-E2 Reflector-
Rd507



545098006300
LEDHighbay-E2 Reflector-
Rd602



545098006000
LEDHighbay-E2 Bracket-L249



543098021900
LEDFixture-IP68-Connector-
Kit-3

Reflector Rd407 (545098006100) fits 80W versions, Reflector Rd507 (545098006200) fits 120W and 150W versions and Reflector Rd602 (545098006300) fits 200W and 240W versions.



5 YEARS WARRANTY



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	Grey Pantone 417U
Colour rendering index (CRI)	≥ 80
Degree of protection (IP)	IP65
Impact strength	IK08
Protection class	I
Risk group (EN 62471)	RG1
With control gear	Yes
Glow wire test	850°C
Power factor	≥ 0.9
Surge protection	4 kV

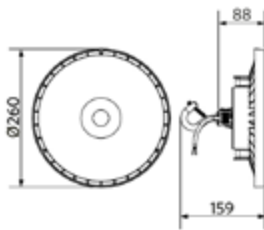
Electrical Supply	
Frequency	50/60 Hz
Nominal voltage	220-240 V
DC input voltage	No
230V Cable length	1 m

Mechanical Properties	
Housing material	Aluminium
Optical material	Polycarbonate
Cover material	Polycarbonate

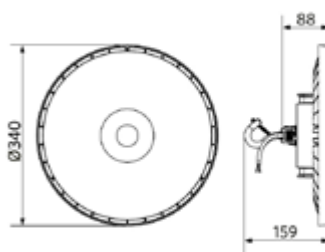
Ambient Conditions	
Operating temperature	-30-+50°C
Application temperature	+25°C
Storage environment	-30-+50°C

Dimensional Drawing (mm)

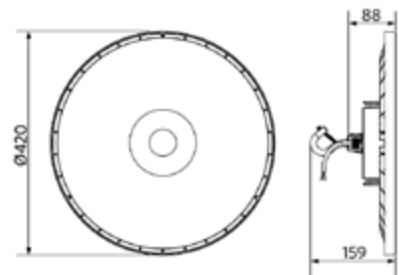
LEDHighbay-E2 80W



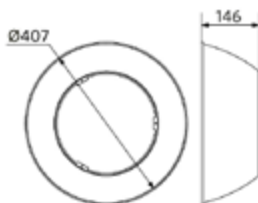
LEDHighbay-E2
120W & 150W



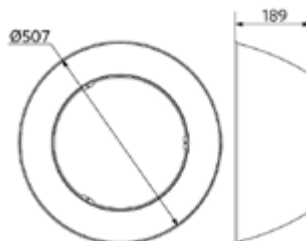
LEDHighbay-E2
200W & 240W



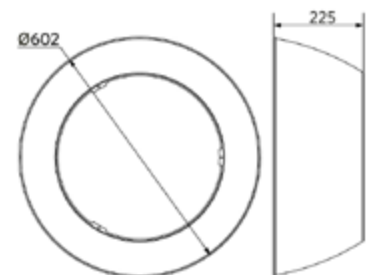
LEDHighbay-E2
Reflector-Rd407



LEDHighbay-E2
Reflector-Rd507



LEDHighbay-E2
Reflector-Rd602



LEDHighbay-E2
Bracket





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

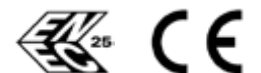
Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
On-Off							
543022021100	LEDWaterproof SE-P L1250-24W-840-IP69K	TL 1x36W	24	3240	135	4000	1.71
543022021200	LEDWaterproof SE-P L1250-45W-840-IP69K	TL 2x36W	45	6075	135	4000	1.71
543022021300	LEDWaterproof 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
Colour rendering index (CRI)	≥ 80
Ingress protection	IP67/IP69K
Impact strength	IK06
Protection class	I
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
Power factor	≥ 0.9
Input wire diameter	1mm ² - 2.5mm ²
Internal wiring (mm ²)	3x2.5
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

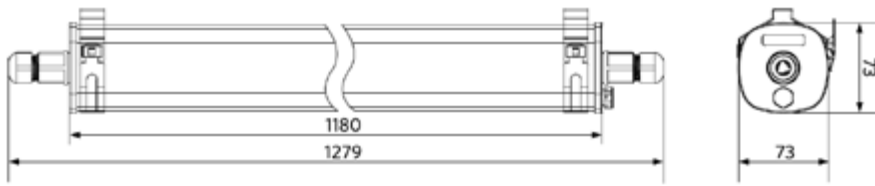
Mechanical Properties	
Material housing	PMMA
UV resistant	Yes
Optical material	PMMA
Mounting clips	Stainless steel (316)

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

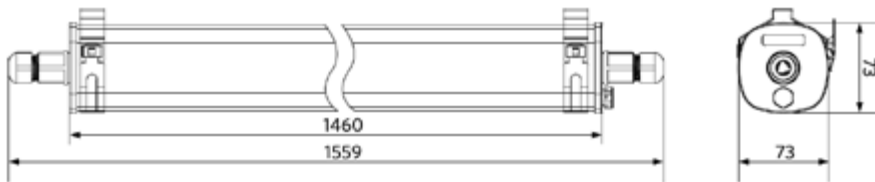


Dimensional Drawing (mm)

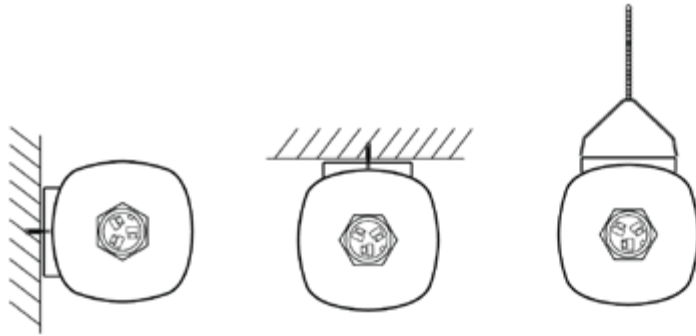
LEDWaterproof SE-P L1250



LEDWaterproof SE-P L1550



Installation Possibilities





Waterproof Performer G4

- NEW for BLE2 versions: improved wireless communication based on future-proof, standardized Bluetooth SIG Mesh protocol
- 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)	Power (W)	Lumen	Efficacy (lm/W)	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	150	4000	3x2.5	7-11	0.74
711000007600	LEDWaterproof-P4 L648-24W-840	TL 2x18W	24	3600	150	4000	3x2.5	7-11	0.74
711000007700	LEDWaterproof-P4 L1208-24W-840	TL 1x36W	24	3600	150	4000	3x2.5	7-11	1.08
711000007800	LEDWaterproof-P4 L1208-38W-840	TL 2x36W	38	5700	150	4000	3x2.5	7-11	1.08
711000007200	LEDWaterproof-P4 L1208-38W-840-PLUS	TL 2x36W	38	5700	150	4000	5x2.5	8-14	1.08
711000007900	LEDWaterproof-P4 L1208-38W-865	TL 2x36W	38	5700	150	6500	3x2.5	7-11	1.08
711000008000	LEDWaterproof-P4 L1489-31W-840	TL 1x58W	31	4650	150	4000	3x2.5	7-11	1.21
711000007300	LEDWaterproof-P4 L1489-31W-840-PLUS	TL 1x58W	31	4650	150	4000	5x2.5	8-14	1.21
711000008100	LEDWaterproof-P4 L1489-47W-840	TL 2x58W	47	7050	150	4000	3x2.5	7-11	1.21
711000008200	LEDWaterproof-P4 L1489-54W-840	TL 2x58W	54	8100	150	4000	3x2.5	7-11	1.21
711000007400	LEDWaterproof-P4 L1489-54W-840-PLUS	TL 2x58W	54	8100	150	4000	5x2.5	8-14	1.21
711000008300	LEDWaterproof-P4 L1489-54W-865	TL 2x58W	54	8100	150	6500	3x2.5	7-11	1.21
711000008400	LEDWaterproof-P4 L1489-70W-840	TL 2x80W	70	10500	150	4000	3x2.5	7-11	1.21
711000008500	LEDWaterproof-P4 L1489-85W-840	2x TLM 140W RS	85	12750	150	4000	3x2.5	7-11	1.21
DALI2									
711000005700	LEDWaterproof-P4 L648-24W-DALI-840	TL 2x18W	24	3600	150	4000	5x2.5	8-14	0.74
711000006100	LEDWaterproof-P4 L1208-36W-DALI-840	TL 2x36W	36	5400	150	4000	5x2.5	8-14	1.08
711000005900	LEDWaterproof-P4 L1489-31W-DALI-840	TL 1x58W	31	4650	150	4000	5x2.5	8-14	1.21
711000006200	LEDWaterproof-P4 L1489-51W-DALI-840	TL 2x58W	51	7650	150	4000	5x2.5	8-14	1.21
Smart									
711000006600	LEDWaterproof-P4 L1208-24W-BLE2-840	TL 2x18W	24	3600	150	4000	3x2.5	7-11	1.08
711000006800	LEDWaterproof-P4 L1208-36W-BLE2-840	TL 2x36W	36	5400	150	4000	3x2.5	7-11	1.08
711000007100	LEDWaterproof-P4 L1489-31W-BLE2-840	TL 1x58W	31	4650	150	4000	3x2.5	7-11	1.21
711000006900	LEDWaterproof-P4 L1489-51W-BLE2-840	TL 2x58W	51	7650	150	4000	3x2.5	7-11	1.21



Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Internal wiring (mm ²)	Max. input cable diameter (mm)	Weight (kg/pc)
Emergency version 1 hour, On-Off									
711000008600	LEDWaterproof-P4 L648-12W-840-EM1	TL 1x18W	12	1800	150	4000	4x2.5	7-11	1.64
711000008700	LEDWaterproof-P4 L648-24W-840-EM1	TL 2x18W	24	3600	150	4000	4x2.5	7-11	1.64
711000008800	LEDWaterproof-P4 L1208-24W-840-EM1	TL 2x18W	24	3600	150	4000	4x2.5	7-11	1.98
711000009000	LEDWaterproof-P4 L1208-38W-840-EM1	TL 2x36W	38	5700	150	4000	4x2.5	7-11	1.98
711000010200	LEDWaterproof-P4 L1208-38W-840-PLUS-EM1	TL 2x36W	38	5700	150	4000	5x2.5	8-14	1.98
711000009200	LEDWaterproof-P4 L1208-38W-865-EM1	TL 2x36W	38	5700	150	6500	4x2.5	7-11	1.98
711000009400	LEDWaterproof-P4 L1489-31W-840-EM1	TL 1x58W	31	4650	150	4000	4x2.5	7-11	2.11
711000010400	LEDWaterproof-P4 L1489-31W-840-PLUS-EM1	TL 1x58W	31	4650	150	4000	5x2.5	8-14	2.11
711000009600	LEDWaterproof-P4 L1489-47W-840-EM1	TL 2x58W	47	7050	150	4000	4x2.5	7-11	2.11
711000009800	LEDWaterproof-P4 L1489-54W-840-EM1	TL 2x58W	54	8100	150	4000	4x2.5	7-11	2.11
711000010600	LEDWaterproof-P4 L1489-54W-840-PLUS-EM1	TL 2x58W	54	8100	150	4000	5x2.5	8-14	2.11
711000010000	LEDWaterproof-P4 L1489-54W-865-EM1	TL 2x58W	54	8100	150	6500	4x2.5	7-11	2.11
Emergency version 3 hours, On-Off									
711000008900	LEDWaterproof-P4 L1208-24W-840-EM3	TL 2x18W	24	3600	150	4000	4x2.5	7-11	2.08
711000009100	LEDWaterproof-P4 L1208-38W-840-EM3	TL 2x36W	38	5700	150	4000	4x2.5	7-11	2.08
711000010300	LEDWaterproof-P4 L1208-38W-840-PLUS-EM3	TL 2x36W	38	5700	150	4000	5x2.5	8-14	2.08
711000009300	LEDWaterproof-P4 L1208-38W-865-EM3	TL 2x36W	38	5700	150	6500	4x2.5	7-11	2.08
711000009500	LEDWaterproof-P4 L1489-31W-840-EM3	TL 1x58W	31	4650	150	4000	4x2.5	7-11	2.21
711000010500	LEDWaterproof-P4 L1489-31W-840-PLUS-EM3	TL 1x58W	31	4650	150	4000	5x2.5	8-14	2.21
711000009700	LEDWaterproof-P4 L1489-47W-840-EM3	TL 2x58W	47	7050	150	4000	4x2.5	7-11	2.21
711000009900	LEDWaterproof-P4 L1489-54W-840-EM3	TL 2x58W	54	8100	150	4000	4x2.5	7-11	2.21
711000010700	LEDWaterproof-P4 L1489-54W-840-PLUS-EM3	TL 2x58W	54	8100	150	4000	5x2.5	8-14	2.21
711000010100	LEDWaterproof-P4 L1489-54W-865-EM3	TL 2x58W	54	8100	150	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.

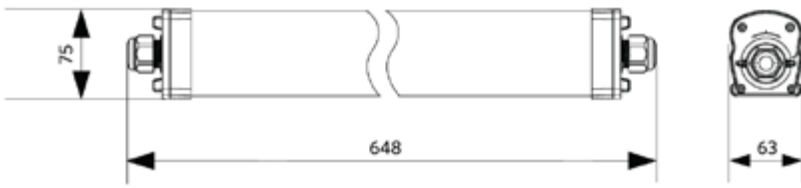
Technical Specifications		Electrical Supply	
Lifetime (L70)	100,000 h	Frequency	50/60 Hz
Lifetime (L80)	80,000 h	Nominal voltage	220-240 V
On-/Off-cycles	100,000	DC input voltage	See catalogue appendix Connection Specifications
Colour consistency (SDCM)	4		
Dimmability	On-Off / DALI2 / BLE2		
Beam angle	120°		
Finishing	Grey RAL 7035		
Colour rendering index (CRI)	≥ 80		
Degree of protection (IP)	IP66		
Impact strength	IK08		
Protection class	II		
Risk group (EN 62471)	RG0		
With control gear	Yes		
Glow wire test	850°C		
Power factor	≥ 0.9		
Input wire diameter	1mm ² - 2.5mm ²		
		Mechanical Properties	
		Material housing	Polycarbonate
		UV resistant	Yes
		Optical material	Polycarbonate
		Mounting clips	Stainless steel
		Ambient Conditions	
		Operating temperature	-30-+45°C
		Application temperature	+25°C
		Storage environment	-30-+50°C

5 YEARS WARRANTY

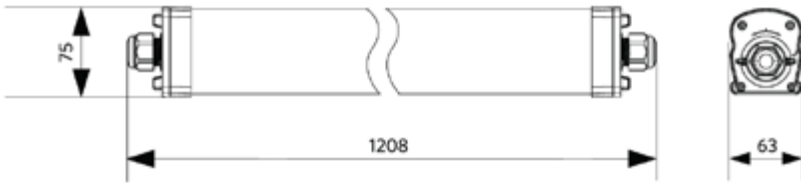


Dimensional Drawing (mm)

LEDWaterproof-P4 L648



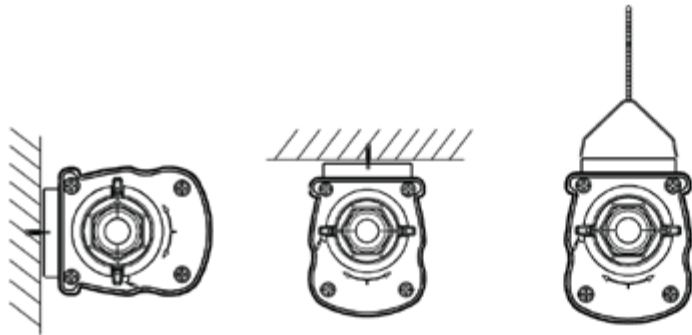
LEDWaterproof-P4 L1208



LEDWaterproof-P4 L1489



Installation Possibilities





SMART

INDOOR

OUTDOOR

LAMPS & TOOLS

TECHNICAL DATA

GLOSSARY





Waterproof Classic

- Compact retrofit waterproof luminaire, with removable cover
- Available in 3 lengths and 4 lumen packages, with efficacy of 125 lm/W
- Flexible installation: possible to wire from the back and sides
- Available with integrated motion sensor (MD), for automatic on/off switching
- Compatible with 2.5mm² wires, 5-wire through wiring possible
- Easy, vandalism-proof mounting clips



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
On-Off							
531000003000	LEDWaterproof-CLA-E L650-20W-4000	TL 2x18W	20	2500	125	4000	0.81
531000004100	LEDWaterproof-CLA-E L1250-20W-4000	TL 1x36W	20	2500	125	4000	1.49
531000004200	LEDWaterproof-CLA-E L1250-43W-4000	TL 2x36W	43	5375	125	4000	1.49
531000004300	LEDWaterproof-CLA-E L1550-29W-4000	TL 1x58W	29	3625	125	4000	1.87
531000004400	LEDWaterproof-CLA-E L1550-53W-4000	TL 2x58W	53	6625	125	4000	1.87
Motion Detection, Daylight Detection							
531000003900	LEDWaterproof-CLA-E L1250-20W-4000-MD	TL 1x36W	20	2500	125	4000	1.49
531000003800	LEDWaterproof-CLA-E L1250-43W-4000-MD	TL 2x36W	43	5375	125	4000	1.49
531000003700	LEDWaterproof-CLA-E L1550-29W-4000-MD	TL 1x58W	29	3625	125	4000	1.87
531000003600	LEDWaterproof-CLA-E L1550-53W-4000-MD	TL 2x58W	53	6625	125	4000	1.87
Emergency version 1 hour, On-Off							
549013000900	LEDWaterproof-CLA-E L650-20W-4000-EM1	TL 2x18W	20	2500	125	4000	0.99
549013001000	LEDWaterproof-CLA-E L1250-20W-4000-EM1	TL 1x36W	20	2500	125	4000	1.67
549013001100	LEDWaterproof-CLA-E L1250-43W-4000-EM1	TL 2x36W	43	5375	125	4000	1.67
549013001200	LEDWaterproof-CLA-E L1550-29W-4000-EM1	TL 1x58W	29	3625	125	4000	2.05
549013001300	LEDWaterproof-CLA-E L1550-53W-4000-EM1	TL 2x58W	53	6625	125	4000	2.05
Emergency version 3 hours, On-Off							
549013001400	LEDWaterproof-CLA-E L650-20W-4000-EM3	TL 2x18W	20	2500	125	4000	1.29
549013001500	LEDWaterproof-CLA-E L1250-20W-4000-EM3	TL 1x36W	20	2500	125	4000	1.97
549013001600	LEDWaterproof-CLA-E L1250-43W-4000-EM3	TL 2x36W	43	5375	125	4000	1.97
549013001700	LEDWaterproof-CLA-E L1550-29W-4000-EM3	TL 1x58W	29	3625	125	4000	2.35
549013001800	LEDWaterproof-CLA-E L1550-53W-4000-EM3	TL 2x58W	53	6625	125	4000	2.35



Accessories



531098000100
LEDWaterproof-CLA-Sensor

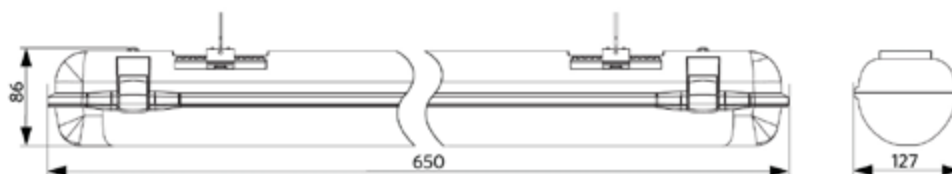
Technical Specifications		Electrical Supply	
Lifetime (L70)	50,000 h	Frequency	50/60 Hz
Lifetime (L80)	30,000 h	Nominal voltage	220-240 V
On-/Off-cycles	100,000	DC input voltage	See catalogue appendix Connection Specifications
Colour consistency (SDCM)	4		
Dimmability	On-Off	Mechanical Properties	
Sensor type	No / Motion + Daylight detection (MD)	Material housing	Polycarbonate
Sensor technology	No / Microwave (MW)	UV resistant	Yes
Beam angle	120°	Optical material	Polycarbonate
Finishing	Grey RAL 7035	Mounting clips	Stainless steel
Colour rendering index (CRI)	≥ 80	Ambient Conditions	
Degree of protection (IP)	IP65	Operating temperature	-25-+40°C
Impact strength	IK08	Application temperature	+25°C
Protection class	I	Storage environment	-30-+50°C
Risk group (EN 62471)	RG0		
With control gear	Yes		
Glow wire test	850°C		
Power factor	≥ 0.9		
Input wire diameter	1mm ² - 2.5mm ²		
Max. input cable diameter (mm)	5-11 mm		

5 YEARS WARRANTY

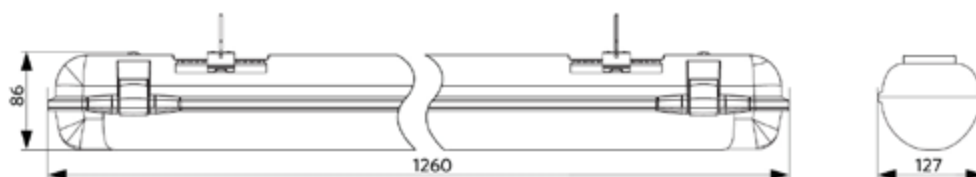


Dimensional Drawing (mm)

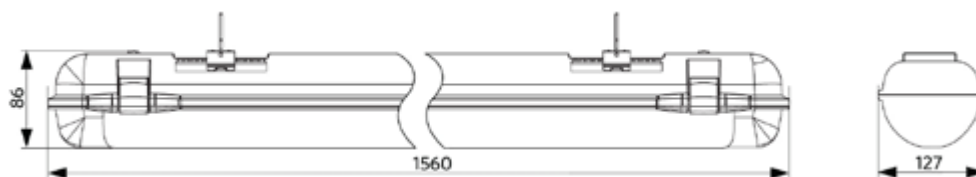
LEDWaterproof-CLA-E L650



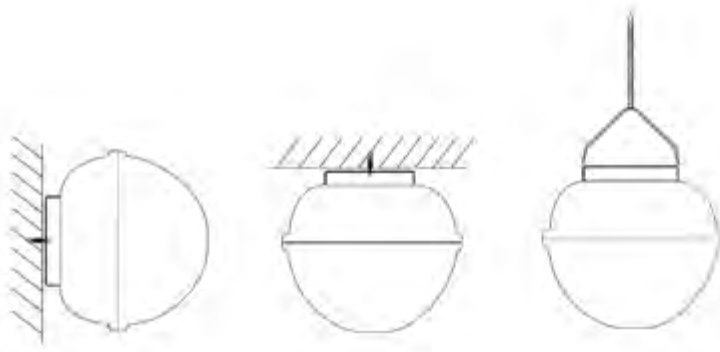
LEDWaterproof-CLA-E L1250



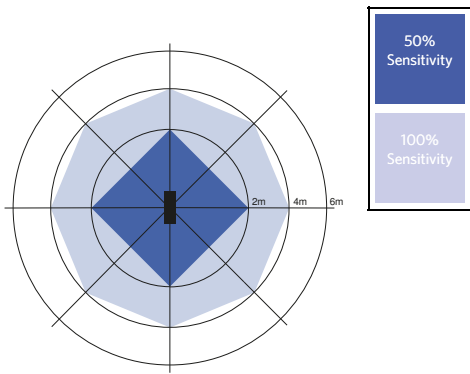
LEDWaterproof-CLA-E L1550



Installation Possibilities



Motion sensors - Detection range



Installation - Ceiling mounted
Suggested installation height 3-4m





PRESCAU
MILANO - 6000 7 000 0

SMART

INDOOR

OUTDOOR

LAMPS & TOOLS

TECHNICAL DATA

GLOSSARY





Waterproof EcoMax G2

- Waterproof luminaire in "sealed-for-life" concept
- Quick installation through the easy to open endcap
- 3 lengths and 6 lumen packages, with efficacy of 130 lm/W
- Supplied with vandal-proof stainless steel ceiling and suspension clips
- Equipped with 3x2.5mm² throughwiring



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Weight (kg/pc)
On-Off							
543022012600	LEDWaterproof-E2 L680-10W-4000	TL 1x18W	10	1300	130	4000	0.56
543022012500	LEDWaterproof-E2 L680-20W-4000	TL 2x18W	20	2600	130	4000	0.65
543022012400	LEDWaterproof-E2 L1260-18W-4000	TL 1x36W	18	2340	130	4000	0.97
543022012300	LEDWaterproof-E2 L1260-37W-4000	TL 2x36W	37	4810	130	4000	0.99
543022012200	LEDWaterproof-E2 L1260-37W-6500	TL 2x36W	37	4810	130	6500	0.99
543022012100	LEDWaterproof-E2 L1540-27W-4000	TL 1x58W	27	3510	130	4000	1.16
543022012000	LEDWaterproof-E2 L1540-50W-4000	TL 2x58W	50	6500	130	4000	1.19
543022011900	LEDWaterproof-E2 L1540-50W-6500	TL 2x58W	50	6500	130	6500	1.19

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	Grey RAL 7035
Colour rendering index (CRI)	≥ 80
Degree of protection (IP)	IP66
Impact strength	IK08
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	850°C
Power factor	≥ 0.9
Input wire diameter	1mm ² - 2.5mm ²
Internal wiring (mm ²)	3x2.5
Max. input cable diameter (mm)	7-11.5 mm

Electrical Supply

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

Mechanical Properties

Material housing	Polycarbonate
UV resistant	Yes
Optical material	Polycarbonate
Mounting clips	Stainless steel

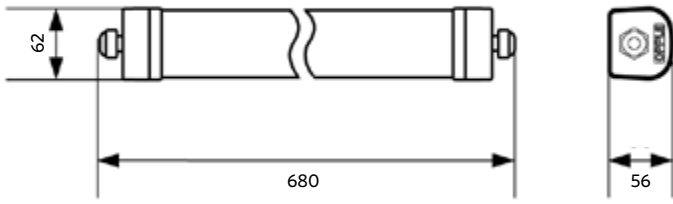
Ambient Conditions

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

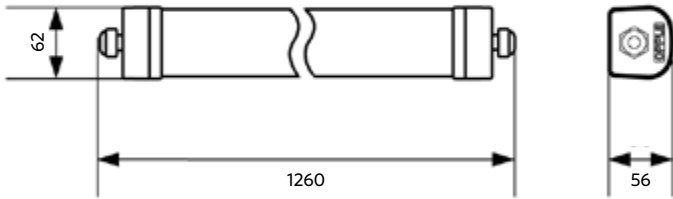


Dimensional Drawing (mm)

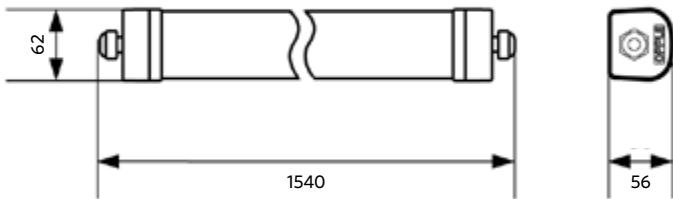
LEDWaterproof-E2 L680



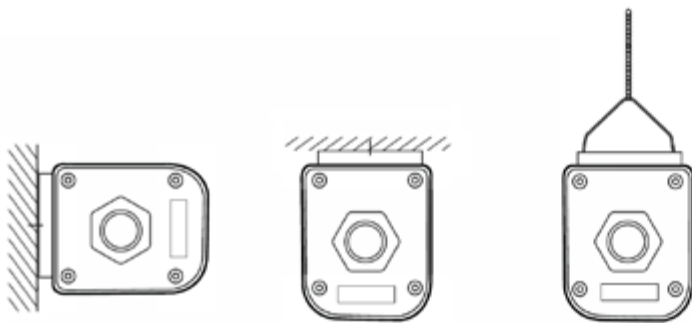
LEDWaterproof-E2 L1260



LEDWaterproof-E2 L1540



Installation Possibilities





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



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	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
Colour rendering index (CRI)	≥ 80
Degree of protection (IP)	IP65
Impact strength	IK08
Protection class	II
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	650°C
Power factor	≥ 0.9
Input wire diameter	1mm ² - 2.5mm ²
Internal wiring (mm ²)	3x1.5
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

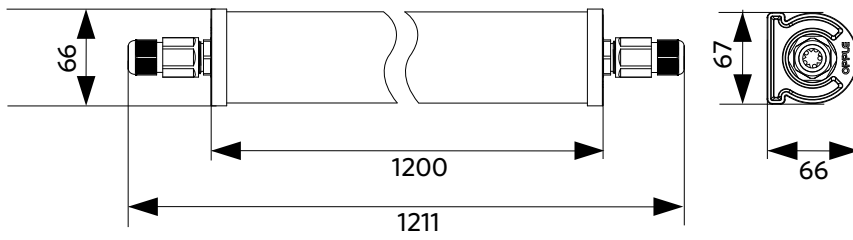
Mechanical Properties	
Material housing	Polycarbonate
UV resistant	Yes
Optical material	Polycarbonate
Mounting clips	Stainless steel

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

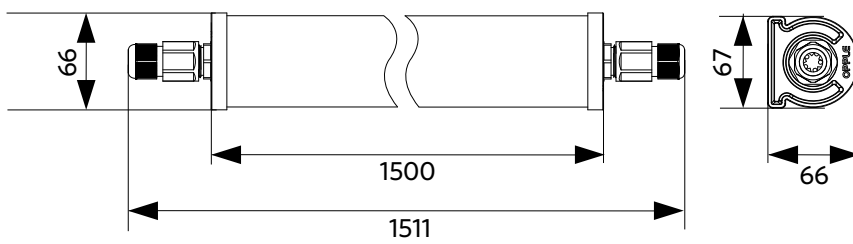


Dimensional Drawing (mm)

LEDWaterproof-B2 L1200



LEDWaterproof-B2 L1500



Installation Possibilities





Trunking

- NEW: 35W LED module with diffuser available
- 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
- Multiple beam angles (60°, 90°, 120° & BW) 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



Trunking Configurator
trunkingconfigurator.opple.com

Specifications

















Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Weight (kg/pc)
On-Off								
542005008200	LEDTrunking Module L15-35W-4000-120	TL 2x58W	35	5600	160	4000	120°	1.64
542005006000	LEDTrunking Module L15-50W-4000-60	TL 2x80W	50	8000	160	4000	60°	1.64
542005005900	LEDTrunking Module L15-50W-4000-90	TL 2x80W	50	8000	160	4000	90°	1.64
542005005800	LEDTrunking Module L15-50W-4000-120	TL 2x80W	50	8000	160	4000	120°	1.64
542005006100	LEDTrunking Module L15-50W-4000-BW	TL 2x80W	50	8000	160	4000	Batwing	1.64
542005006400	LEDTrunking Module L15-70W-4000-60	2x TLM 140W RS	70	11200	160	4000	60°	1.71
542005006300	LEDTrunking Module L15-70W-4000-90	2x TLM 140W RS	70	11200	160	4000	90°	1.71
542005006200	LEDTrunking Module L15-70W-4000-120	2x TLM 140W RS	70	11200	160	4000	120°	1.71
542005006500	LEDTrunking Module L15-70W-4000-BW	2x TLM 140W RS	70	11200	160	4000	Batwing	1.71
DALI2								
542005008600	LEDTrunking Module L15-35W-4000-120-DALI	TL 2x58W	35	5600	160	4000	120°	1.64
542005006800	LEDTrunking Module L15-50W-4000-60-DALI	TL 2x80W	50	8000	160	4000	60°	1.64
542005006700	LEDTrunking Module L15-50W-4000-90-DALI	TL 2x80W	50	8000	160	4000	90°	1.64
542005006600	LEDTrunking Module L15-50W-4000-120-DALI	TL 2x80W	50	8000	160	4000	120°	1.64
542005006900	LEDTrunking Module L15-50W-4000-BW-DALI	TL 2x80W	50	8000	160	4000	Batwing	1.64
542005007200	LEDTrunking Module L15-70W-4000-60-DALI	2x TLM 140W RS	70	11200	160	4000	60°	1.71
542005007100	LEDTrunking Module L15-70W-4000-90-DALI	2x TLM 140W RS	70	11200	160	4000	90°	1.71
542005007000	LEDTrunking Module L15-70W-4000-120-DALI	2x TLM 140W RS	70	11200	160	4000	120°	1.71
542005007300	LEDTrunking Module L15-70W-4000-BW-DALI	2x TLM 140W RS	70	11200	160	4000	Batwing	1.71
DALI2, Diffusive lens								
534001000100	LEDTrunking Mod L15-35W-4000-DF-DALI-DZ	TL 2x58W	35	5250	150	4000	120°	1.64
Emergency version 1 hour, On-Off								
549004007010	LEDTrunk Mod L15-35W-4000-120-EM1	TL 2x58W	35	5600	160	4000	120°	1.94
549004007210	LEDTrunk Mod L15-50W-4000-60-EM1	TL 2x80W	50	8000	160	4000	60°	1.94
549004007610	LEDTrunk Mod L15-50W-4000-90-EM1	TL 2x80W	50	8000	160	4000	90°	1.94
549004005510	LEDTrunk Mod L15-50W-4000-120-EM1	TL 2x80W	50	8000	160	4000	120°	1.94
549004004110	LEDTrunk Mod L15-50W-4000-BW-EM1	TL 2x80W	50	8000	160	4000	Batwing	1.94
549004007410	LEDTrunk Mod L15-70W-4000-60-EM1	2x TLM 140W RS	70	11200	160	4000	60°	2.01
549004007510	LEDTrunk Mod L15-70W-4000-90-EM1	2x TLM 140W RS	70	11200	160	4000	90°	2.01
549004007310	LEDTrunk Mod L15-70W-4000-120-EM1	2x TLM 140W RS	70	11200	160	4000	120°	2.01
549004008010	LEDTrunk Mod L15-70W-4000-BW-EM1	2x TLM 140W RS	70	11200	160	4000	Batwing	2.01



Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Weight (kg/pc)
Emergency version 1 hour, DALI2								
549004006910	LEDTrunk Mod L15-35W-4000-120-DALI-EM1	TL 2x58W	35	5600	160	4000	120°	1.94
549004005610	LEDTrunk Mod L15-50W-4000-60-DALI-EM1	TL 2x80W	50	8000	160	4000	60°	1.94
549004006310	LEDTrunk Mod L15-50W-4000-90-DALI-EM1	TL 2x80W	50	8000	160	4000	90°	1.94
549004007110	LEDTrunk Mod L15-50W-4000-120-DALI-EM1	TL 2x80W	50	8000	160	4000	120°	1.94
549004004210	LEDTrunk Mod L15-50W-4000-BW-DALI-EM1	TL 2x80W	50	8000	160	4000	Batwing	1.94
549004006410	LEDTrunk Mod L15-70W-4000-60-DALI-EM1	2x TLM 140W RS	70	11200	160	4000	60°	2.01
549004006210	LEDTrunk Mod L15-70W-4000-90-DALI-EM1	2x TLM 140W RS	70	11200	160	4000	90°	2.01
549004006510	LEDTrunk Mod L15-70W-4000-120-DALI-EM1	2x TLM 140W RS	70	11200	160	4000	120°	2.01
549004006110	LEDTrunk Mod L15-70W-4000-BW-DALI-EM1	2x TLM 140W RS	70	11200	160	4000	Batwing	2.01
Emergency version 1 hour, DALI2, Diffusive lens								
549004010400	LEDTrunk Mod L15-35W-4000-DF-DALI-EM1-DZ	TL 2x58W	35	5250	150	4000	120°	2.54
Emergency version 3 hours, On-Off								
549004004610	LEDTrunk Mod L15-35W-4000-120-EM3	TL 2x58W	35	5600	160	4000	120°	2.04
549004005910	LEDTrunk Mod L15-50W-4000-60-EM3	TL 2x80W	50	8000	160	4000	60°	2.04
549004005710	LEDTrunk Mod L15-50W-4000-90-EM3	TL 2x80W	50	8000	160	4000	90°	2.04
549004006810	LEDTrunk Mod L15-50W-4000-120-EM3	TL 2x80W	50	8000	160	4000	120°	2.04
549004005810	LEDTrunk Mod L15-50W-4000-BW-EM3	TL 2x80W	50	8000	160	4000	Batwing	2.04
549004004810	LEDTrunk Mod L15-70W-4000-60-EM3	2x TLM 140W RS	70	11200	160	4000	60°	2.11
549004006710	LEDTrunk Mod L15-70W-4000-90-EM3	2x TLM 140W RS	70	11200	160	4000	90°	2.11
549004006010	LEDTrunk Mod L15-70W-4000-120-EM3	2x TLM 140W RS	70	11200	160	4000	120°	2.11
549004004010	LEDTrunk Mod L15-70W-4000-BW-EM3	2x TLM 140W RS	70	11200	160	4000	Batwing	2.11
Emergency version 3 hours, DALI2								
549004004510	LEDTrunk Mod L15-35W-4000-120-DALI-EM3	TL 2x58W	35	5600	160	4000	120°	2.04
549004005310	LEDTrunk Mod L15-50W-4000-60-DALI-EM3	TL 2x80W	50	8000	160	4000	60°	2.04
549004005410	LEDTrunk Mod L15-50W-4000-90-DALI-EM3	TL 2x80W	50	8000	160	4000	90°	2.04
549004006610	LEDTrunk Mod L15-50W-4000-120-DALI-EM3	TL 2x80W	50	8000	160	4000	120°	2.04
549004005210	LEDTrunk Mod L15-50W-4000-BW-DALI-EM3	TL 2x80W	50	8000	160	4000	Batwing	2.04
549004004910	LEDTrunk Mod L15-70W-4000-60-DALI-EM3	2x TLM 140W RS	70	11200	160	4000	60°	2.11
549004005010	LEDTrunk Mod L15-70W-4000-90-DALI-EM3	2x TLM 140W RS	70	11200	160	4000	90°	2.11
549004005110	LEDTrunk Mod L15-70W-4000-120-DALI-EM3	2x TLM 140W RS	70	11200	160	4000	120°	2.11
549004004710	LEDTrunk Mod L15-70W-4000-BW-DALI-EM3	2x TLM 140W RS	70	11200	160	4000	Batwing	2.11
Emergency version 3 hours, DALI2, Diffusive lens								
549004010500	LEDTrunk Mod L15-35W-4000-DF-DALI-EM3-DZ	TL 2x58W	35	5250	150	4000	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							3.20
542098002400	LEDTrunking Trunk 8 L30 End Part							3.00

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

Accessories

					
542098001300 LEDTrunking Feed-in Box 8	542098011200 LEDTrunking Feed-out Box 8	542098001500 LEDTrunking Feed-in Connector 8	542098003000 LEDTrunking Cable Gland	542098001800 LEDTrunking Cover L15	542098012700 LEDTrunking 3C Track Module
					
542098001700 LEDTrunking End Cap	542098011000 LEDTrunking Cover End Cap	534000000700 LEDTrunking End Cap-DF-DZ	542098001900 LEDTrunking Mounting Clip Chain	542098002000 LEDTrunking Cord-3m	542098002900 LEDTrunking Mounting Clip
					
542098001000 LEDTrunking DALI Power Supply	542098004600 LEDTrunking Sensor Probe L	542098004700 LEDTrunking Sensor Probe H	542098001100 LEDTrunking Sensor Cover L15	821017003200 LED Smart-BLE2-DALI-Converter	821011002600 LED Smart-BLE2-DALI-Connect-Box

5 YEARS WARRANTY



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
Finishing	White
Colour rendering index (CRI)	≥ 80
Degree of protection	IP20
Impact strength	IK02
Protection class	I
Risk group (EN 62471)	RG0
With control gear	Yes
Power factor	≥ 0.9

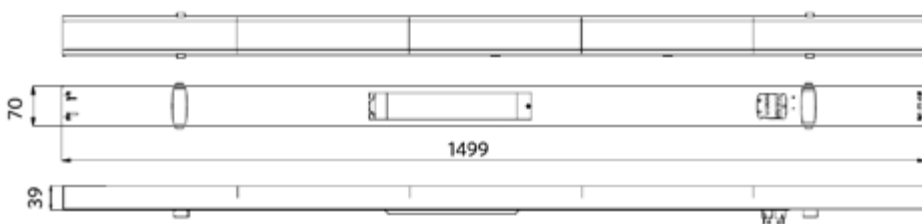
Electrical Supply	
Frequency	50/60 Hz
Nominal voltage	220-240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Steel
Optical material	PMMA / PC

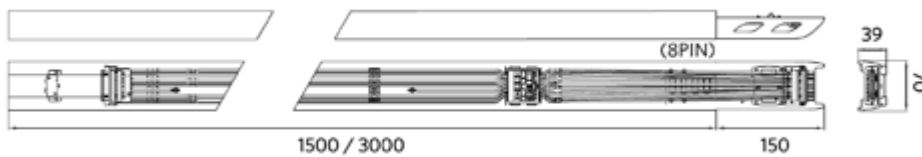
Ambient Conditions	
Operating temperature	-25+40°C
Application temperature	+25°C
Storage environment	-25+50°C

Dimensional Drawing (mm)

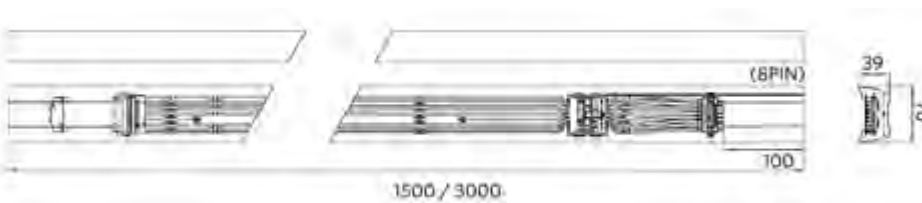
LEDTrunking Mod



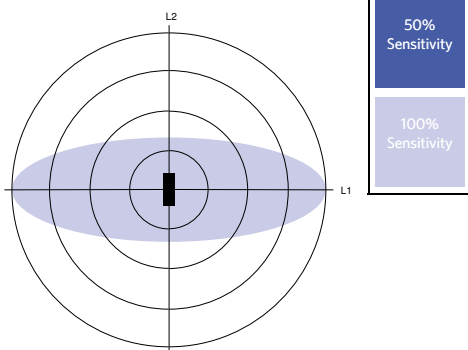
LEDTrunking Trunk 8



LEDTrunking Trunk 8 End part



Motion sensors - Detection range



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





SMART

INDOOR

OUTDOOR

LAMPS & TOOLS

TECHNICAL DATA

GLOSSARY







Smart 12
Indoor 32
Outdoor 126
Lamps & Tools 158
Technical Data 172
Glossary 186







Roadlight Stratus




- NEW: 20W and 40W versions available
- 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 Smart City Control Systems (Zhaga control module not included)
- Advanced optical design with multiple light distribution options
- Easy installation and maintenance via openable driver compartment
- Flexible and adjustable pole connector (60mm & 76mm) for both side entry and pole top mounting (order separately)



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy lm/W	CCT (K)	Beam angle	Weight (kg/pc)	Required pole adapter
On-Off									
705000095800	LEDRoad-St-P2 Re488-20W-730	HID 50W	20	3000	150	3000	143° x 70°	4.10	 705098008300 Pole Adapter-Road-St-P2-60mm or  705098008400 Pole Adapter-Road-St-P2-76mm
705000095900	LEDRoad-St-P2 Re488-20W-740	HID 50W	20	3000	150	4000	143° x 70°	4.10	
705000098900	LEDRoad-St-P2 Re488-20W-730-XAS	HID 50W	20	3000	150	3000	160° x 93°	4.10	
705000099000	LEDRoad-St-P2 Re488-20W-740-XAS	HID 50W	20	3000	150	4000	160° x 93°	4.10	
705000096400	LEDRoad-St-P2 Re488-40W-730	HID 70W	40	6000	150	3000	143° x 70°	4.10	
705000096500	LEDRoad-St-P2 Re488-40W-740	HID 70W	40	6000	150	4000	143° x 70°	4.10	
705000097900	LEDRoad-St-P2 Re488-40W-730-XAS	HID 70W	40	6000	150	3000	160° x 93°	4.10	
705000098000	LEDRoad-St-P2 Re488-40W-740-XAS	HID 70W	40	6000	150	4000	160° x 93°	4.10	
705000067400	LEDRoad-St-P2 Re489-60W-730	HID 100W	60	9000	150	3000	143° x 70°	4.90	
705000068800	LEDRoad-St-P2 Re489-60W-740	HID 100W	60	9000	150	4000	143° x 70°	4.90	
705000066800	LEDRoad-St-P2 Re489-80W-730	HID 150W	80	12000	150	3000	143° x 70°	4.90	
705000068000	LEDRoad-St-P2 Re489-80W-740	HID 150W	80	12000	150	4000	143° x 70°	4.90	
705000068200	LEDRoad-St-P2 Re588-120W-730	HID 150W	120	18000	150	3000	143° x 70°	7.30	
705000066600	LEDRoad-St-P2 Re588-120W-740	HID 150W	120	18000	150	4000	143° x 70°	7.30	
705000067700	LEDRoad-St-P2 Re588-150W-730	HID 250W	150	22500	150	3000	143° x 70°	7.30	
705000068100	LEDRoad-St-P2 Re588-150W-740	HID 250W	150	22500	150	4000	143° x 70°	7.30	
DALI2, D4i									
705000096000	LEDRoad-St-P2 Re488-20W-DALI-730	HID 50W	20	3000	150	3000	143° x 70°	4.10	
705000096100	LEDRoad-St-P2 Re488-20W-DALI-740	HID 50W	20	3000	150	4000	143° x 70°	4.10	
705000098800	LEDRoad-St-P2 Re488-20W-DALI-730-XAS	HID 50W	20	3000	150	3000	160° x 93°	4.10	
705000098700	LEDRoad-St-P2 Re488-20W-DALI-740-XAS	HID 50W	20	3000	150	4000	160° x 93°	4.10	
705000096600	LEDRoad-St-P2 Re488-40W-DALI-730	HID 70W	40	6000	150	3000	143° x 70°	4.10	
705000096700	LEDRoad-St-P2 Re488-40W-DALI-740	HID 70W	40	6000	150	4000	143° x 70°	4.10	
705000098100	LEDRoad-St-P2 Re488-40W-DALI-730-XAS	HID 70W	40	6000	150	3000	160° x 93°	4.10	
705000098200	LEDRoad-St-P2 Re488-40W-DALI-740-XAS	HID 70W	40	6000	150	4000	160° x 93°	4.10	



Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy lm/W	CCT (K)	Beam angle	Weight (kg/pc)	Required pole adapter
DALI2, D4i									
705000068600	LEDRoad-St-P2 Re489-60W-DALI-730	HID 100W	60	9000	150	3000	143° x 70°	4.90	
705000067000	LEDRoad-St-P2 Re489-60W-DALI-740	HID 100W	60	9000	150	4000	143° x 70°	4.90	
705000067900	LEDRoad-St-P2 Re489-80W-DALI-730	HID 150W	80	12000	150	3000	143° x 70°	4.90	
705000067300	LEDRoad-St-P2 Re489-80W-DALI-740	HID 150W	80	12000	150	4000	143° x 70°	4.90	
705000067800	LEDRoad-St-P2 Re588-120W-DALI-730	HID 150W	120	18000	150	3000	143° x 70°	7.30	
705000068300	LEDRoad-St-P2 Re588-120W-DALI-740	HID 150W	120	18000	150	4000	143° x 70°	7.30	
705000067200	LEDRoad-St-P2 Re588-150W-DALI-730	HID 250W	150	22500	150	3000	143° x 70°	7.30	
705000067600	LEDRoad-St-P2 Re588-150W-DALI-740	HID 250W	150	22500	150	4000	143° x 70°	7.30	
DALI2, D4i, Zhaga									
705000096200	LEDRoad-St-P2 Re488-20W-DALI-730-ZH	HID 50W	20	3000	150	3000	143° x 70°	4.10	 705098008300 Pole Adapter-Road-St-P2-60mm or  705098008400 Pole Adapter-Road-St-P2-76mm
705000096300	LEDRoad-St-P2 Re488-20W-DALI-740-ZH	HID 50W	20	3000	150	4000	143° x 70°	4.10	
705000098600	LEDRoad-St-P2 Re488-20W-DALI-730-XAS-ZH	HID 50W	20	3000	150	3000	160° x 93°	4.10	
705000098500	LEDRoad-St-P2 Re488-20W-DALI-740-XAS-ZH	HID 50W	20	3000	150	4000	160° x 93°	4.10	
705000096800	LEDRoad-St-P2 Re488-40W-DALI-730-ZH	HID 70W	40	6000	150	3000	143° x 70°	4.10	
705000096900	LEDRoad-St-P2 Re488-40W-DALI-740-ZH	HID 70W	40	6000	150	4000	143° x 70°	4.10	
705000098300	LEDRoad-St-P2 Re488-40W-DALI-730-XAS-ZH	HID 70W	40	6000	150	3000	160° x 93°	4.10	
705000098400	LEDRoad-St-P2 Re488-40W-DALI-740-XAS-ZH	HID 70W	40	6000	150	4000	160° x 93°	4.10	
705000066900	LEDRoad-St-P2 Re489-60W-DALI-730-ZH	HID 100W	60	9000	150	3000	143° x 70°	4.90	
705000067500	LEDRoad-St-P2 Re489-60W-DALI-740-ZH	HID 100W	60	9000	150	4000	143° x 70°	4.90	
705000066700	LEDRoad-St-P2 Re489-80W-DALI-730-ZH	HID 150W	80	12000	150	3000	143° x 70°	4.90	
705000068700	LEDRoad-St-P2 Re489-80W-DALI-740-ZH	HID 150W	80	12000	150	4000	143° x 70°	4.90	
705000068500	LEDRoad-St-P2 Re588-120W-DALI-730-ZH	HID 150W	120	18000	150	3000	143° x 70°	7.30	
705000068400	LEDRoad-St-P2 Re588-120W-DALI-740-ZH	HID 150W	120	18000	150	4000	143° x 70°	7.30	
705000067100	LEDRoad-St-P2 Re588-150W-DALI-730-ZH	HID 250W	150	22500	150	3000	143° x 70°	7.30	
705000068900	LEDRoad-St-P2 Re588-150W-DALI-740-ZH	HID 250W	150	22500	150	4000	143° x 70°	7.30	

For more technical information, please go to the appendix.

Accessories

Required



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

or

Required



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



705098003600
LEDStreetlight Wall-Bracket-60



705098003700
LEDStreetlight Pole-Top-60-Adapter-60



705098003400
LEDStreetlight Pole-Top-76-Adapter-60



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

Technical Specifications

Lifetime (L80)	100,000 h
On-/Off-cycles	100,000
Colour consistency (SDCM)	5
Dimmability	On-Off / DALI2
Maximum tilt angle	-15-+15°
Finishing	Grey RAL 870-3
Colour rendering index (CRI)	≥ 70
Degree of protection	IP66
Impact strength	IK08
Protection class	II (I on request)
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	850°C
Power factor	≥ 0.9
Surge protection	10 kV

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
Compatible pole Ø	48-76 mm
Effective wind area	1300 cm ² / 1800 cm ²
Coastal proof	Yes

Ambient Conditions

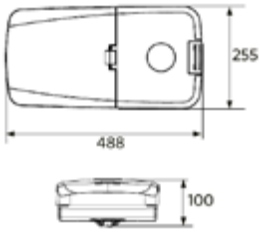
Operating temperature	-25-+45°C
Application temperature	+25°C
Storage environment	-40-+60°C

5 YEARS WARRANTY

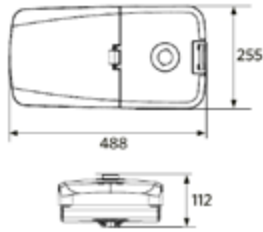


Dimensional Drawing (mm)

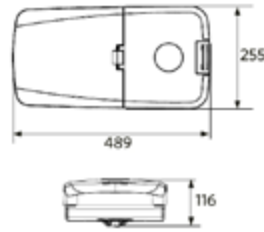
LEDRoad-St-P2 Re488
On-Off & DALI2



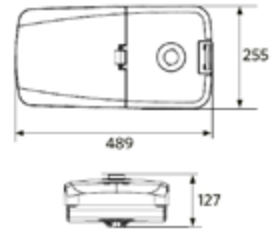
LEDRoad-St-P2 Re488
Zhaga



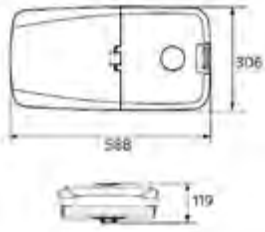
LEDRoad-St-P2 Re489
On-Off & DALI2



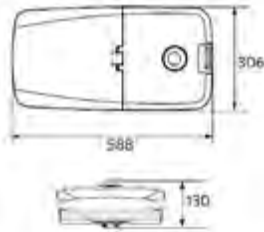
LEDRoad-St-P2 Re489
Zhaga



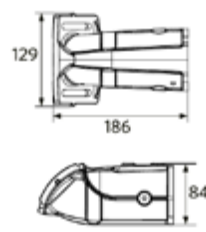
LEDRoad-St-P2 Re588
On-Off & DALI2



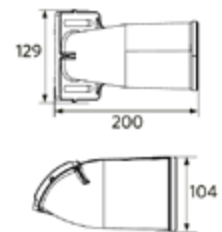
LEDRoad-St-P2 Re588
Zhaga



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



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





SMART

INDOOR

OUTDOOR

LAMPS & TOOLS

TECHNICAL DATA

GLOSSARY





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



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	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



705098003600
LEDStreetlight Wall-Bracket-60



705098003500
LEDStreetlight 76-Adapter-60



705098003700
LEDStreetlight Pole-Top-60-Adapter-60



705098003400
LEDStreetlight Pole-Top-76-Adapter-60



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



599000004600
LEDStreet-SE-ExtensionCable-6m



543098021900
LEDFixture-IP68-Connector-Kit-3



5 YEARS WARRANTY



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
Colour rendering index (CRI)	≥ 80
Degree of protection (IP)	IP66
Impact strength	IK08
Protection class	I
Risk group (EN 62471)	RG1
With control gear	Yes
Glow wire test	850°C
Power factor	≥ 0.9
Surge protection	6 kV

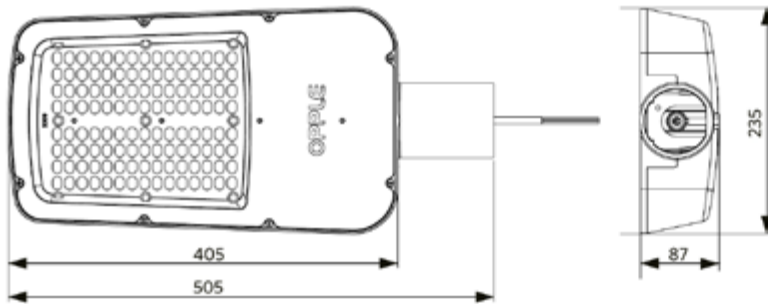
Electrical Supply	
Frequency	50/60 Hz
Nominal voltage	220-240 V
DC input voltage	See catalogue appendix Connection Specifications
230V Cable length	1 m

Mechanical Properties	
Housing material	Aluminium
Optical material	Polycarbonate
Compatible pole Ø	42-60 mm
Effective wind area	900 cm ²
Coastal proof	Yes

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

Dimensional Drawing (mm)

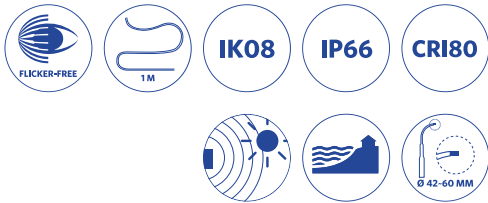
LEDRoadlight-E





Streetlight G2

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



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	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



705098003600
LEDStreetlight Wall-Bracket-60



705098003500
LEDStreetlight 76-Adapter-60



705098003700
LEDStreetlight Pole-Top-60-Adapter-60



705098003400
LEDStreetlight Pole-Top-76-Adapter-60



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



543098021900
LEDFixture-IP68-Connector-Kit-3



599000004600
LEDStreet-SE-ExtensionCable-6m



5 YEARS WARRANTY



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 / Daylight detection (DD)
Sensor technology	No / Illumination sensor
Beam angle	145° x 80°
Finishing	Grey RAL 870-3
Colour rendering index (CRI)	≥ 80
Degree of protection (IP)	IP66
Impact strength	IK08
Protection class	I
Risk group (EN 62471)	RG1
With control gear	Yes
Glow wire test	850°C
Power factor	≥ 0.9
Surge protection	4 kV

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

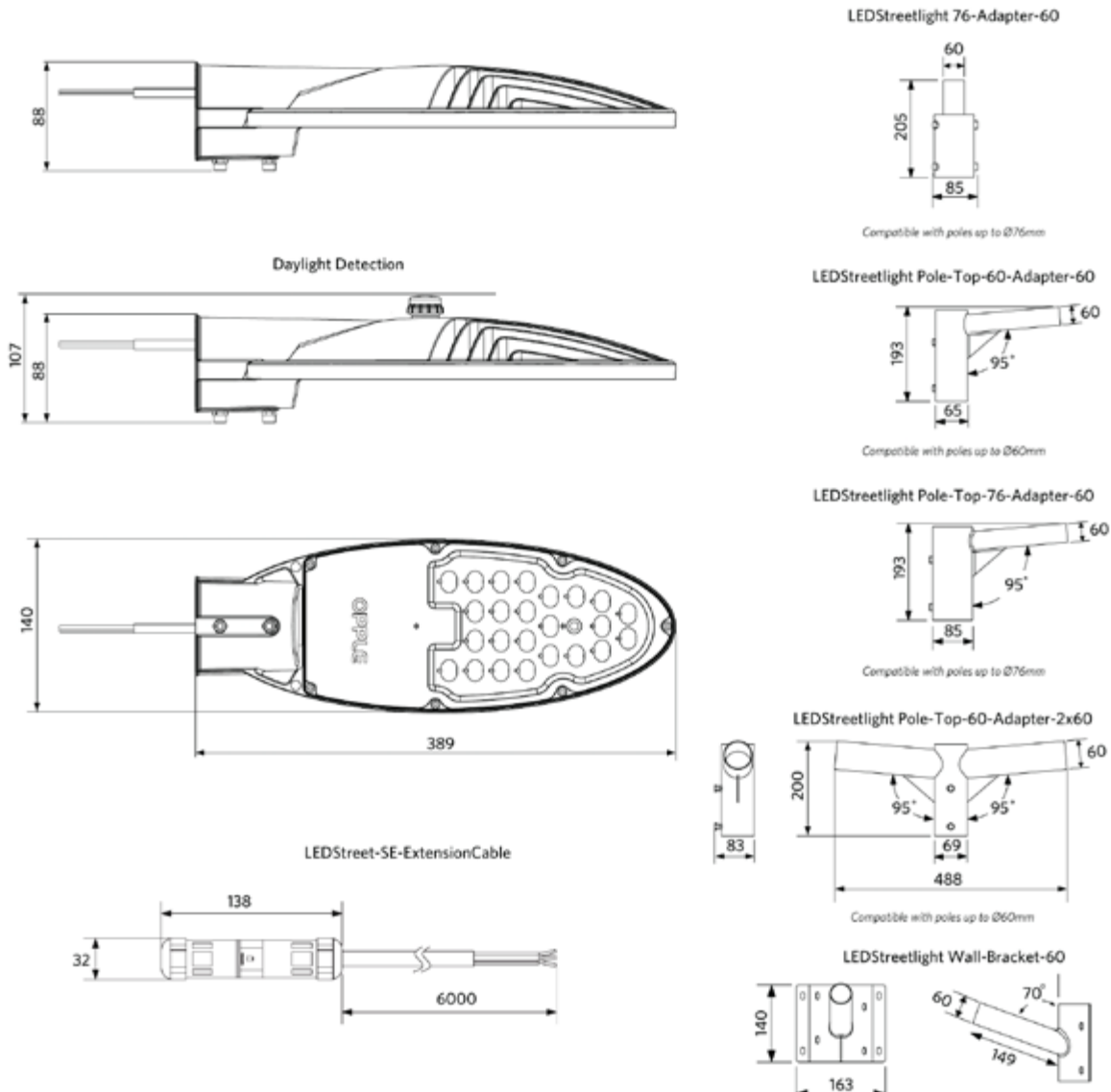
Housing material	Aluminium
Optical material	Polycarbonate
Compatible pole Ø	42-60 mm
Effective wind area	400 cm ²
Coastal proof	Yes

Ambient Conditions

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

Dimensional Drawing (mm)

LEDStreetlight-E2





Post Top

- NEW: DALI2 versions available for 33W and 50W
- 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
- Available in two pole sizes for more application flexibility
- IP66 and suitable for use on coastal applications



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Compatible pole Ø (mm)	Weight (kg/pc)
On-Off									
543016006000	LEDPostTop-P 33W-3000-W	HID 50W	33	4300	130	3000	160°	60 mm	7.68
708000000400	LEDPostTop-P 33W-3000-W-D76	HID 50W	33	4300	130	3000	160°	76 mm	7.68
543016005700	LEDPostTop-P 33W-3000-AS	HID 50W	33	4000	120	3000	45° x 150°	60 mm	7.68
708000000100	LEDPostTop-P 33W-3000-AS-D76	HID 50W	33	4000	120	3000	45° x 150°	76 mm	7.68
543016006600	LEDPostTop-P 33W-4000-W	HID 50W	33	4500	135	4000	160°	60 mm	7.68
708000001000	LEDPostTop-P 33W-4000-W-D76	HID 50W	33	4500	135	4000	160°	76 mm	7.68
543016006300	LEDPostTop-P 33W-4000-AS	HID 50W	33	4100	125	4000	50° x 150°	60 mm	7.68
708000000700	LEDPostTop-P 33W-4000-AS-D76	HID 50W	33	4100	125	4000	50° x 150°	76 mm	7.68
543016006100	LEDPostTop-P 50W-3000-W	HID 70W	50	6500	130	3000	155°	60 mm	7.72
708000000500	LEDPostTop-P 50W-3000-W-D76	HID 70W	50	6500	130	3000	155°	76 mm	7.72
543016005800	LEDPostTop-P 50W-3000-AS	HID 70W	50	6000	120	3000	40° x 150°	60 mm	7.72
708000000200	LEDPostTop-P 50W-3000-AS-D76	HID 70W	50	6000	120	3000	40° x 150°	76 mm	7.72
543016006700	LEDPostTop-P 50W-4000-W	HID 70W	50	6800	135	4000	155°	60 mm	7.72
708000001100	LEDPostTop-P 50W-4000-W-D76	HID 70W	50	6800	135	4000	155°	76 mm	7.72
543016006400	LEDPostTop-P 50W-4000-AS	HID 70W	50	6300	125	4000	40° x 150°	60 mm	7.72
708000000800	LEDPostTop-P 50W-4000-AS-D76	HID 70W	50	6300	125	4000	40° x 150°	76 mm	7.72
DALI2									
708000003900	LEDPostTop-P 33W-DALI-730-W	HID 50W	33	4300	130	3000	160°	60 mm	7.68
708000004000	LEDPostTop-P 33W-DALI-730-W-D76	HID 50W	33	4300	130	3000	160°	76 mm	7.68
708000005300	LEDPostTop-P 33W-DALI-730-AS	HID 50W	33	4000	120	3000	50° x 150°	60 mm	7.68
708000003800	LEDPostTop-P 33W-DALI-730-AS-D76	HID 50W	33	4000	120	3000	50° x 150°	76 mm	7.68
708000004200	LEDPostTop-P 33W-DALI-740-W	HID 50W	33	4500	135	4000	160°	60 mm	7.68
708000004300	LEDPostTop-P 33W-DALI-740-W-D76	HID 50W	33	4500	135	4000	160°	76 mm	7.68
708000005200	LEDPostTop-P 33W-DALI-740-AS	HID 50W	33	4100	125	4000	50° x 150°	60 mm	7.68
708000004100	LEDPostTop-P 33W-DALI-740-AS-D76	HID 50W	33	4100	125	4000	50° x 150°	76 mm	7.68



Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Compatible pole Ø (mm)	Weight (kg/pc)
DALI2									
708000004600	LEDPostTop-P 50W-DALI-730-W	HID 70W	50	6500	130	3000	155°	60 mm	7.72
708000004700	LEDPostTop-P 50W-DALI-730-W-D76	HID 70W	50	6500	130	3000	155°	76 mm	7.72
708000004400	LEDPostTop-P 50W-DALI-730-AS	HID 70W	50	6000	120	3000	40° x 150°	60 mm	7.72
708000004500	LEDPostTop-P 50W-DALI-730-AS-D76	HID 70W	50	6000	120	3000	40° x 150°	76 mm	7.72
708000005000	LEDPostTop-P 50W-DALI-740-W	HID 70W	50	6800	135	4000	155°	60 mm	7.72
708000005100	LEDPostTop-P 50W-DALI-740-W-D76	HID 70W	50	6800	135	4000	155°	76 mm	7.72
708000004800	LEDPostTop-P 50W-DALI-740-AS	HID 70W	50	6300	125	4000	40° x 150°	60 mm	7.72
708000004900	LEDPostTop-P 50W-DALI-740-AS-D76	HID 70W	50	6300	125	4000	40° x 150°	76 mm	7.72

For more technical information, please go to the appendix.

Accessories



599000004600
LEDStreet-SE-ExtensionCable-6m

Technical Specifications

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

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	Tempered glass
Effective wind area	1590 cm ²
Coastal proof	Yes

Ambient Conditions

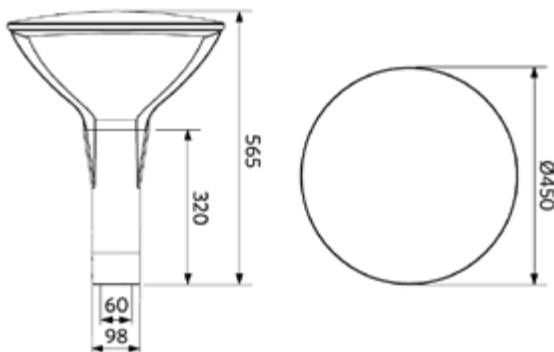
Operating temperature	-30-+50°C
Application temperature	+25°C
Storage environment	-40-+60°C

5 YEARS WARRANTY

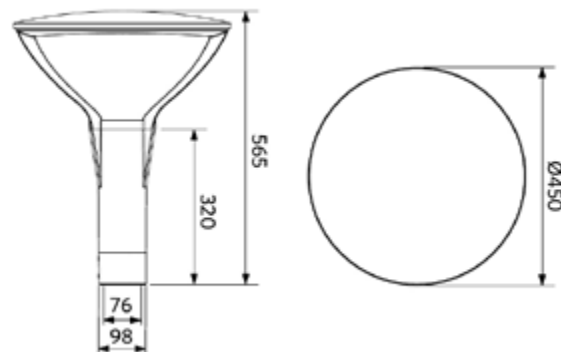


Dimensional Drawing (mm)

LEDPostTop-P
D60



LEDPostTop-P
D76





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)	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	2.95
543012002900	LEDBollard-P L600-10.5W-4000-W	CFL 1x32W	10.5	1000	95	4000	2.95
543012002600	LEDBollard-P L900-10.5W-3000-W	CFL 1x32W	10.5	900	85	3000	3.74
543012003000	LEDBollard-P L900-10.5W-4000-W	CFL 1x32W	10.5	1000	95	4000	3.74

Accessories



703098000100
LEDBollard Concrete-Mounting-Kit



599000004600
LEDStreet-SE-ExtensionCable-6m



5 YEARS WARRANTY



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	IK08
Protection class	I
Risk group (EN 62471)	RG0
With control gear	Yes
Glow wire test	850°C
Power factor	≥ 0.9
Surge protection	4 kV

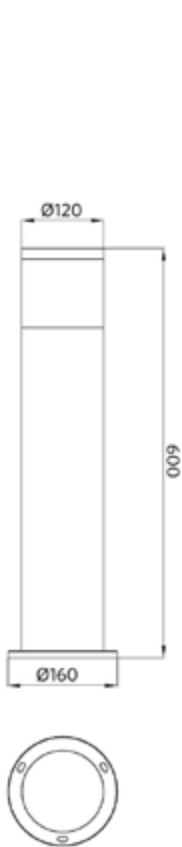
Electrical Supply	
Frequency	50/60 Hz
Nominal voltage	220-240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Aluminium
Optical material	Polycarbonate
Coastal proof	Yes

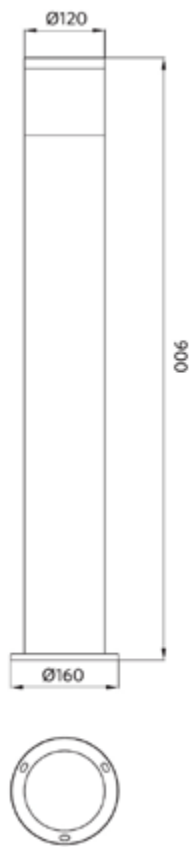
Ambient Conditions	
Operating temperature	-20-+45°C
Application temperature	+25°C
Storage environment	-40-+60°C

Dimensional Drawing (mm)

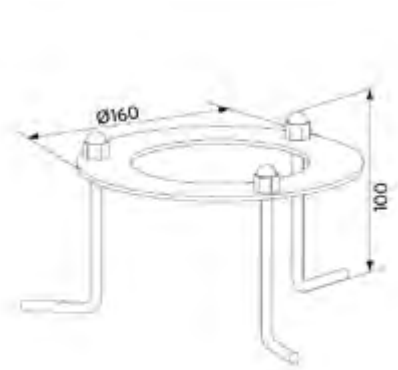
LEDBollard-P L600



LEDBollard-P L900



LEDBollard-P
Concrete-Mounting-Kit





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)	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



703098000300
LEDBollard-Luke-E Concrete-Mounting-Kit



599000004600
LEDStreet-SE-ExtensionCable-6m

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	IK10
Protection class	I
Risk group (EN 62471)	RG1
With control gear	Yes
Glow wire test	850°C
Power factor	≥ 0.9
Surge protection	1 kV

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

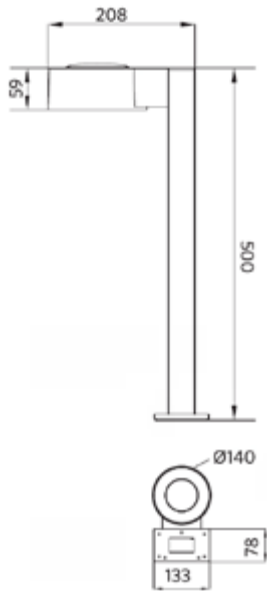
Ambient Conditions	
Operating temperature	-20-+45°C
Application temperature	+25°C
Storage environment	-20-+60°C

5 YEARS WARRANTY

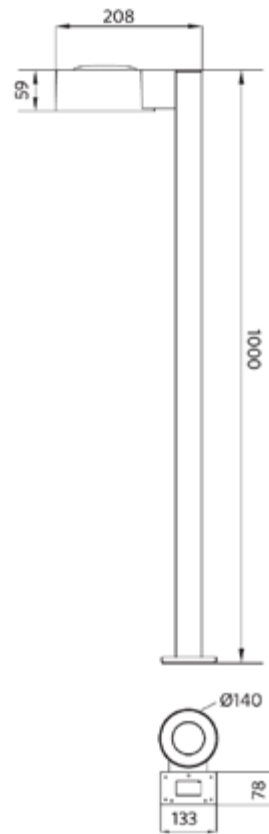


Dimensional Drawing (mm)

LEDBollard-Luke-E L500-8W



LEDBollard-Luke-E L1000-8W



LEDBollard-Luke-E
Concrete-Mounting-Kit





- 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)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Weight (kg/pc)
On-Off								
709000027000	LEDSpotProjector-E Rd82-8W-830-36D	Halogen 50W	8	600	75	3000	36°	0.72
709000027200	LEDSpotProjector-E Rd82-8W-840-36D	Halogen 50W	8	600	75	4000	36°	0.72
709000027400	LEDSpotProjector-E Rd127-15W-830-36D	Halogen 75W	15	1200	80	3000	36°	0.95
709000027600	LEDSpotProjector-E Rd127-15W-840-36D	Halogen 75W	15	1200	80	4000	36°	0.95

Accessories



709098000200
LEDProjector-Spike



543098021900
LEDFixture-IP68-Connector-Kit-3



5 YEARS WARRANTY



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	Black
Colour rendering index (CRI)	≥ 80
Degree of protection (IP)	IP66
Impact strength	IK07
Protection class	I
Risk group (EN 62471)	RG1
With control gear	Yes
Glow wire test	850°C
Displacement factor (DF)	≥ 0.9
Surge protection	2.5 kV

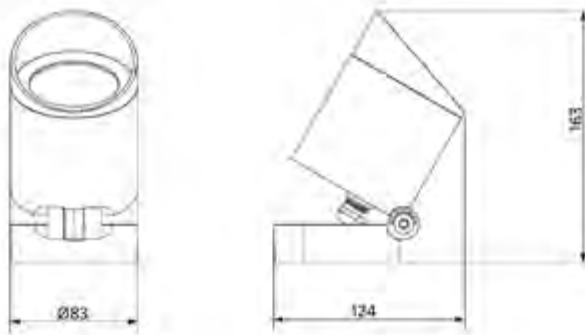
Electrical Supply	
Frequency	50/60 Hz
Nominal voltage	220-240 V
DC input voltage	See catalogue appendix Connection Specifications

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)

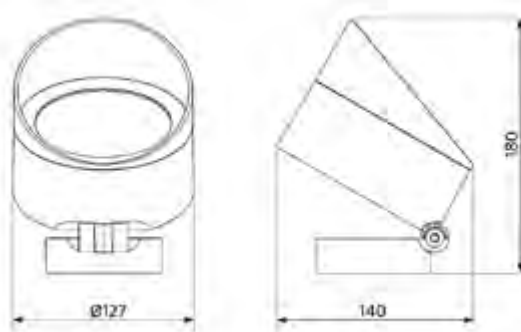
LEDSpotProjector-E Rd82



LEDSpotProjector-E Spike



LEDSpotProjector-E Rd127





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)	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°	0.60
715000002900	LEDWallSpot-E Rd60-10W-840-24D-WH	Halogen 75W	10	800	80	4000	24°	0.60
715000002800	LEDWallSpot-E Rd60-10W-830-24D-BL	Halogen 75W	10	750	75	3000	24°	0.60
715000002600	LEDWallSpot-E Rd60-10W-840-24D-BL	Halogen 75W	10	800	80	4000	24°	0.60
715000004000	LEDWallSpot-E Rd76-20W-830-36D-WH	HID 35W	20	2000	100	3000	36°	0.90
715000004100	LEDWallSpot-E Rd76-20W-840-36D-WH	HID 35W	20	2100	105	4000	36°	0.90
715000004200	LEDWallSpot-E Rd76-20W-830-36D-BL	HID 35W	20	2000	100	3000	36°	0.90
715000004300	LEDWallSpot-E Rd76-20W-840-36D-BL	HID 35W	20	2100	105	4000	36°	0.90

Accessories



715000002700
LEDWallSpot-Rd60-Reflector-60D



715000003200
LEDWallSpot-Rd76-Reflector-60D

715000003000
LEDWallSpot-Rd60-Reflector-15D

715000003300
LEDWallSpot-Rd76-Reflector-15D



5 YEARS WARRANTY



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 / Black
Colour rendering index (CRI)	≥ 80
Degree of protection (IP)	IP65
Impact strength	IK06
Protection class	I
Risk group (EN 62471)	RG1
With control gear	Yes
Glow wire test	650°C
Power factor	≥ 0.9

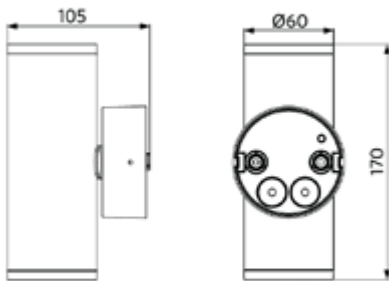
Electrical Supply	
Frequency	50/60 Hz
Nominal voltage	220-240 V
DC input voltage	See catalogue appendix Connection Specifications

Mechanical Properties	
Housing material	Aluminium
Optical material	Polycarbonate
Coastal proof	Yes

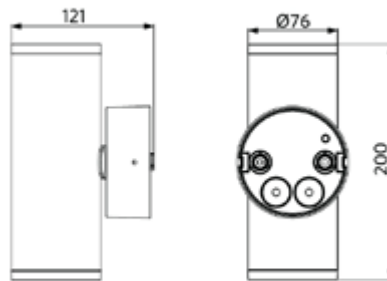
Ambient Conditions	
Operating temperature	-30~+45°C
Application temperature	+25°C
Storage environment	-30~+60°C

Dimensional Drawing (mm)

LEDWallSpot-E Rd60



LEDWallSpot-E Rd76





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)	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°
Finishing	White / Black
Colour rendering index (CRI)	≥ 80
Degree of protection (IP)	IP65
Impact strength	IK08
Protection class	I
Risk group (EN 62471)	RG1
With control gear	Yes
Glow wire test	850°C
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

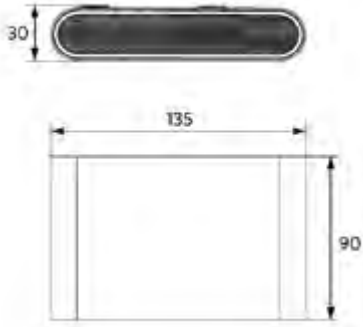
Ambient Conditions	
Operating temperature	-20-+45°C
Application temperature	+25°C
Storage environment	-20-+60°C

5 YEARS WARRANTY



Dimensional Drawing (mm)

LEDWall-Lucia-E Re135-6W



LEDWall-Lucia-E Re175-10W





Floodlight Olympus

- Professional luminaire with die-cast aluminium body for sports and area lighting
- Separate driver with flexible 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
- Equipped with IP68 connector



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Weight (kg/pc)
Luminaire (excluding driver)								
709000083500	LED Flood Oly-P Re600-600W-740-W-LUM	HID 1000W	600	96000	160	4000	60°	15.23
709000083200	LED Flood Oly-P Re600-600W-740-N-LUM	HID 1000W	600	96000	160	4000	45°	15.23
709000082900	LED Flood Oly-P Re600-600W-740-XN-LUM	HID 1000W	600	96000	160	4000	30°	15.23
709000082600	LED Flood Oly-P Re600-600W-740-AS-LUM	HID 1000W	600	90000	150	4000	38° x 108°	15.23
709000083600	LED Flood Oly-P Re600-600W-757-W-LUM	HID 1000W	600	96000	160	5700	60°	15.23
709000083300	LED Flood Oly-P Re600-600W-757-N-LUM	HID 1000W	600	96000	160	5700	45°	15.23
709000083000	LED Flood Oly-P Re600-600W-757-XN-LUM	HID 1000W	600	96000	160	5700	30°	15.23
709000082700	LED Flood Oly-P Re600-600W-757-AS-LUM	HID 1000W	600	90000	150	5700	38° x 108°	15.23
709000084700	LED Flood Oly-P Re600-800W-740-W-LUM	HID 1000W	800	128000	160	4000	60°	15.23
709000084400	LED Flood Oly-P Re600-800W-740-N-LUM	HID 1000W	800	128000	160	4000	45°	15.23
709000084100	LED Flood Oly-P Re600-800W-740-XN-LUM	HID 1000W	800	128000	160	4000	30°	15.23
709000083800	LED Flood Oly-P Re600-800W-740-AS-LUM	HID 1000W	800	120000	150	4000	38° x 108°	15.23
709000084800	LED Flood Oly-P Re600-800W-757-W-LUM	HID 1000W	800	128000	160	5700	60°	15.23
709000084500	LED Flood Oly-P Re600-800W-757-N-LUM	HID 1000W	800	128000	160	5700	45°	15.23
709000084200	LED Flood Oly-P Re600-800W-757-XN-LUM	HID 1000W	800	128000	160	5700	30°	15.23
709000083900	LED Flood Oly-P Re600-800W-757-AS-LUM	HID 1000W	800	120000	150	5700	38° x 108°	15.23
709000085900	LED Flood Oly-P Re700-1000W-740-W-LUM	HID 2000W	1000	160000	160	4000	60°	19.90
709000085600	LED Flood Oly-P Re700-1000W-740-N-LUM	HID 2000W	1000	160000	160	4000	45°	19.90
709000085300	LED Flood Oly-P Re700-1000W-740-XN-LUM	HID 2000W	1000	160000	160	4000	30°	19.90
709000085000	LED Flood Oly-P Re700-1000W-740-AS-LUM	HID 2000W	1000	150000	150	4000	38° x 108°	19.90
709000086000	LED Flood Oly-P Re700-1000W-757-W-LUM	HID 2000W	1000	160000	160	5700	60°	19.90
709000085700	LED Flood Oly-P Re700-1000W-757-N-LUM	HID 2000W	1000	160000	160	5700	45°	19.90
709000085400	LED Flood Oly-P Re700-1000W-757-XN-LUM	HID 2000W	1000	160000	160	5700	30°	19.90
709000085100	LED Flood Oly-P Re700-1000W-757-AS-LUM	HID 2000W	1000	150000	150	5700	38° x 108°	19.90



Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Weight (kg/pc)
Luminaire (excluding driver)								
709000087100	LED FloodOly-P Re700-1200W-740-W-LUM	HID 2000W	1200	192000	160	4000	60°	19.90
709000086800	LED FloodOly-P Re700-1200W-740-N-LUM	HID 2000W	1200	192000	160	4000	45°	19.90
709000086500	LED FloodOly-P Re700-1200W-740-XN-LUM	HID 2000W	1200	192000	160	4000	30°	19.90
709000086200	LED FloodOly-P Re700-1200W-740-AS-LUM	HID 2000W	1200	180000	150	4000	38° x 108°	19.90
709000087200	LED FloodOly-P Re700-1200W-757-W-LUM	HID 2000W	1200	192000	160	5700	60°	19.90
709000086900	LED FloodOly-P Re700-1200W-757-N-LUM	HID 2000W	1200	192000	160	5700	45°	19.90
709000086600	LED FloodOly-P Re700-1200W-757-XN-LUM	HID 2000W	1200	192000	160	5700	30°	19.90
709000086300	LED FloodOly-P Re700-1200W-757-AS-LUM	HID 2000W	1200	180000	150	5700	38° x 108°	19.90

Driver options

Item Code	Item Description	Weight (kg/pc)
LED Driver for Bracket/Outer Pole Mounting		
709098000700	FloodOly-P Driver-Box-In/Out-600W-DALI	8.57
709098002900	FloodOly-P Driver-Box-Out-800W-DALI	13.24
709098000800	FloodOly-P Driver-Box-Out-1000W-DALI	13.40
709098000900	FloodOly-P Driver-Box-Out-1200W-DALI	15.94

or

Item Code	Item Description	Weight (kg/pc)
LED Driver for Inside Pole/Cabinet Mounting		
709098000700	FloodOly-P Driver-Box-In/Out-600W-DALI	8.57
709098003000	FloodOly-P Driver-Box-IN-800W-DALI	9.00
709098001400	FloodOly-P Driver-Box-IN-1000W-DALI	9.10
709098001500	FloodOly-P Driver-Box-IN-1200W-DALI	11.75

Accessories



709098001800
FloodOly-P Aiming-Device



709098001600
FloodOly-P Mounting-Kit-Out-Pole

FloodOly-P Aiming-Device (709098001800) delivered excluding battery (1x CR123AW). FloodOly-P Mounting-Kit-Out-Pole (709098001600) suitable for light pole diameter 280-310mm.

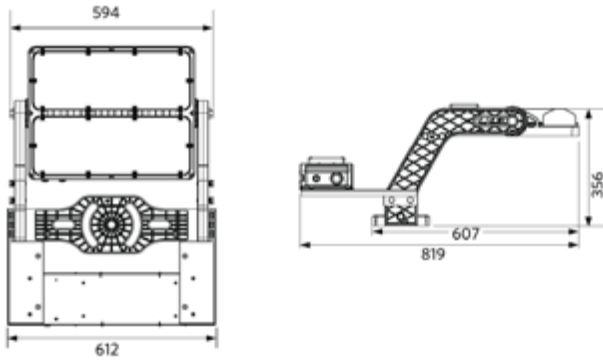
Technical Specifications		Electrical Supply	
Lifetime (L70)	100,000 h	Frequency	50/60 Hz
Lifetime (L80)	70,000 h	Nominal voltage	220-240 V
On-/Off-cycles	100,000	DC input voltage	See catalogue appendix
Colour consistency (SDCM)	6	Connection	Specifications
Dimmability	DALI2	Mechanical Properties	
Finishing	Black	Housing material	Aluminium
Colour rendering index (CRI)	≥ 70	Optical material	Polycarbonate
Degree of protection (IP)	IP66	Cover material	Polycarbonate
Impact strength	IK08	Coastal proof	Yes
Protection class	I	Ambient Conditions	
Risk group (EN 62471)	RG1	Operating temperature	-30-+45°C
With control gear	No	Application temperature	+25°C
Glow wire test	850°C	Storage environment	-30-+50°C
Power factor	≥ 0.9		
Surge protection	20 kV		

5 YEARS WARRANTY

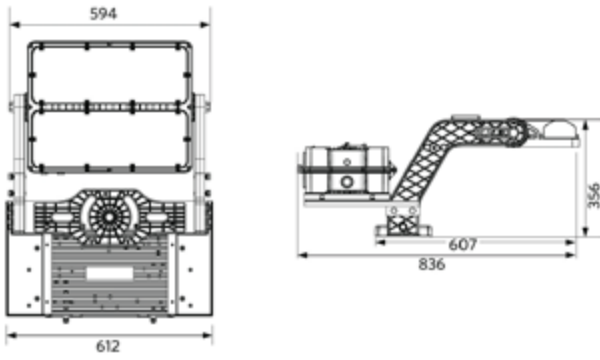


Dimensional Drawing (mm)

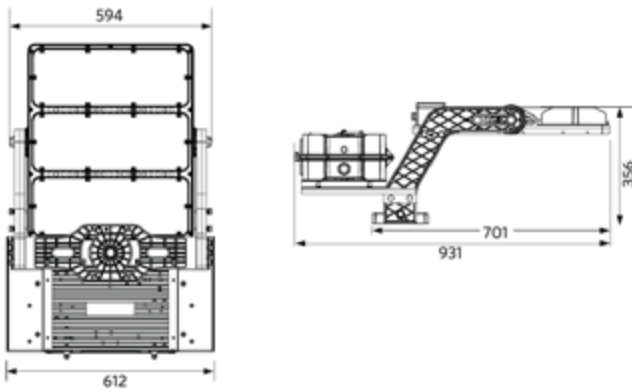
LEDFloodOly-P Re600-600W



LEDFloodOly-P Re600-800W



LEDFloodOly-P Re700
1000W & 1200W





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
- Wide (W), Asymmetric (AS) and Narrow (N) beam angles available
- Robust design with high protection against water and dust
- Equipped with a valve to regulate pressure differences
- Available in 32,000 lumen High Power version



Specifications

Item Code	Item Description	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Colour rendering index (CRI)	Surge protection	Weight (kg/pc)	
On-Off											
140062030	LEDflood-P Re440-90W-4000-W-BL	HID 250W	90	11250	125	4000	100°	≥ 80	4 kV	6.41	
140062031	LEDflood-P Re440-90W-4000-AS-BL	HID 250W	90	11250	125	4000	55° x 115°	≥ 80	4 kV	6.41	
140062032	LEDflood-P Re440-125W-4000-W-BL	HID 400W	125	15625	125	4000	100°	≥ 80	4 kV	6.41	
140062033	LEDflood-P Re440-125W-4000-AS-BL	HID 400W	125	15625	125	4000	55° x 115°	≥ 80	4 kV	6.41	
140062034	LEDflood-P Re440-160W-4000-W-BL	HID 400W	160	20000	125	4000	100°	≥ 80	4 kV	6.41	
140062035	LEDflood-P Re440-160W-4000-AS-BL	HID 400W	160	20000	125	4000	55° x 115°	≥ 80	4 kV	6.41	
543017041100	LEDflood-P Re440-220W-4000-N-BL	HID 500W	220	32000	145	4000	50°	≥ 70	10 kV	6.41	
543017026200	LEDflood-P Re440-220W-4000-AS-BL	HID 500W	220	32000	145	4000	55° x 115°	≥ 70	10 kV	6.41	
543017041200	LEDflood-P Re440-220W-5700-N-BL	HID 500W	220	32000	145	5700	50°	≥ 70	10 kV	6.41	
543017026400	LEDflood-P Re440-220W-5700-AS-BL	HID 500W	220	32000	145	5700	55° x 115°	≥ 70	10 kV	6.41	

Accessories



543098021900
LEDFixture-IP68-Connector-Kit-3



599000004600
LEDStreet-SE-ExtensionCable-6m



5 YEARS WARRANTY



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	Black
Degree of protection (IP)	IP66
Impact strength	IK08
Protection class	I
Risk group (EN 62471)	RG1
With control gear	Yes
Glow wire test	650°C
Power factor	≥ 0.9

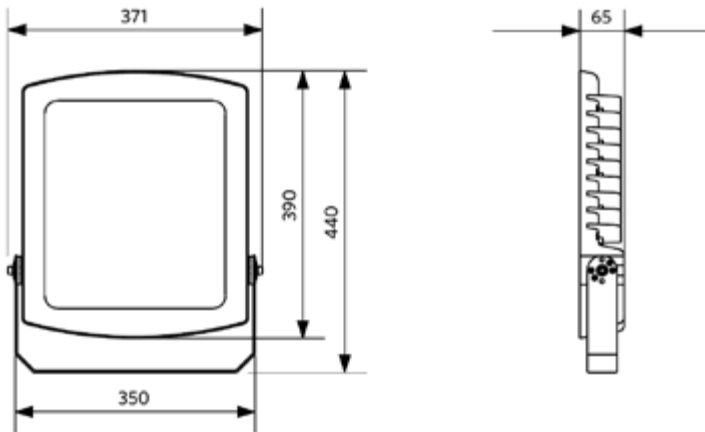
Electrical Supply	
Frequency	50/60 Hz
Nominal voltage	220-240 V
DC input voltage	See catalogue appendix Connection Specifications
230V Cable length	1 m

Mechanical Properties	
Housing material	Die-casted Aluminum
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)

LEDflood-P Re440





Floodlight Modulo Performer

- NEW: 380W versions available
- 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)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	Beam angle	Surge protection	Weight (kg/pc)
On-Off									
709000056900	LED FloodMo-P Re340-70W-840-AS	HID 150W	70	9800	140	4000	40° x 100°	10 kV	4.40
709000057500	LED FloodMo-P Re340-100W-840-AS	HID 250W	100	14000	140	4000	40° x 100°	10 kV	4.40
709000058100	LED FloodMo-P Re450-150W-840-AS	HID 400W	150	21000	140	4000	40° x 100°	6 kV	5.70
709000058500	LED FloodMo-P Re450-200W-840-N	HID 400W	200	28000	140	4000	45°	6 kV	5.70
709000058700	LED FloodMo-P Re450-200W-840-AS	HID 400W	200	28000	140	4000	40° x 100°	6 kV	5.70
709000058800	LED FloodMo-P Re450-200W-857-N	HID 400W	200	28000	140	5700	45°	6 kV	5.70
709000059000	LED FloodMo-P Re450-200W-857-AS	HID 400W	200	28000	140	5700	40° x 100°	6 kV	5.70
709000059100	LED FloodMo-P Re570-250W-840-N	HID 2x250W	250	35000	140	4000	45°	10 kV	7.67
709000059300	LED FloodMo-P Re570-250W-840-AS	HID 2x250W	250	35000	140	4000	40° x 100°	10 kV	7.67
709000059400	LED FloodMo-P Re570-250W-857-N	HID 2x250W	250	35000	140	5700	45°	10 kV	7.67
709000059600	LED FloodMo-P Re570-250W-857-AS	HID 2x250W	250	35000	140	5700	40° x 100°	10 kV	7.67
709000059700	LED FloodMo-P Re570-300W-840-N	HID 2x400W	300	42000	140	4000	45°	10 kV	7.67
709000059900	LED FloodMo-P Re570-300W-840-AS	HID 2x400W	300	42000	140	4000	40° x 100°	10 kV	7.67
709000060000	LED FloodMo-P Re570-300W-857-N	HID 2x400W	300	42000	140	5700	45°	10 kV	7.67
709000060200	LED FloodMo-P Re570-300W-857-AS	HID 2x400W	300	42000	140	5700	40° x 100°	10 kV	7.67
709000078300	LED FloodMo-P Re570-380W-840-N	HID 500W	380	53200	140	4000	45°	10 kV	7.67
709000078500	LED FloodMo-P Re570-380W-840-AS	HID 500W	380	53200	140	4000	40° x 100°	10 kV	7.67
709000078600	LED FloodMo-P Re570-380W-857-N	HID 500W	380	53200	140	5700	45°	10 kV	7.67
709000078800	LED FloodMo-P Re570-380W-857-AS	HID 500W	380	53200	140	5700	40° x 100°	10 kV	7.67

Accessories



543098021900
LED Fixture-IP68-Connector-Kit-3



599000004600
LED Street-SE-Extension Cable-6m



5 YEARS WARRANTY



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	IK08
Protection class	I
Risk group (EN 62471)	RG1
With control gear	Yes
Glow wire test	850°C
Power factor	≥ 0.9

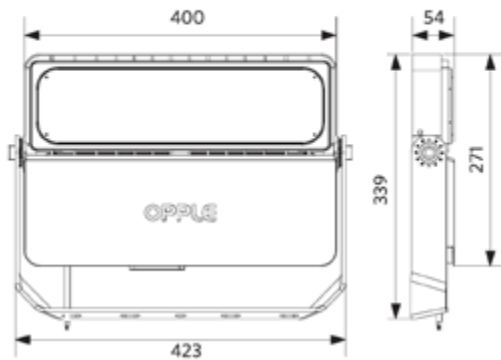
Electrical Supply	
Frequency	50/60 Hz
Nominal voltage	220-240 V
DC input voltage	No
230V Cable length	1 m

Mechanical Properties	
Housing material	Die-casted Aluminum
Optical material	Polycarbonate
Cover material	Polycarbonate
Coastal proof	Yes

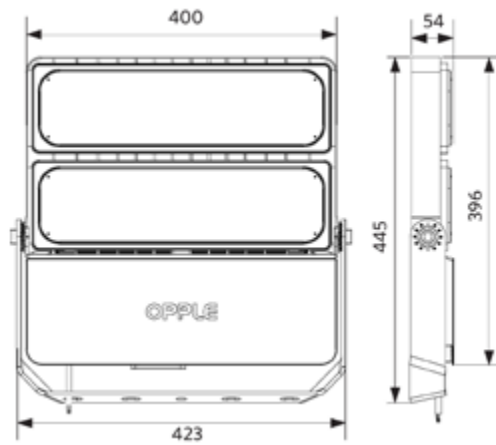
Ambient Conditions	
Operating temperature	-40-+50°C
Application temperature	+25°C
Storage environment	-40-+50°C

Dimensional Drawing (mm)

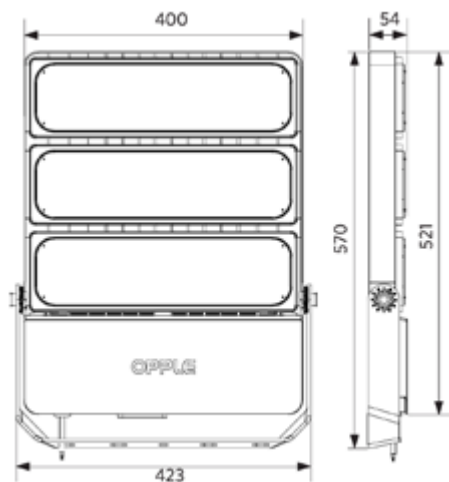
LED Flood Mo-P Re340



LED Flood Mo-P Re450



LED Flood Mo-P Re570





Floodlight EcoMax G3

- 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)	Power (W)	Lumen	Efficacy (lm/W)	CCT (K)	With sensor	Degree of protection	Surge protection	Weight (kg/pc)
On-Off										
709000071900	LEDflood-E3 Re100-10W-830-WH	Halogen 50W	10	1100	110	3000	No	IP66	2 kV	0.40
709000072100	LEDflood-E3 Re100-10W-840-WH	Halogen 50W	10	1200	120	4000	No	IP66	2 kV	0.40
709000072000	LEDflood-E3 Re115-20W-830-WH	Halogen 100W	20	2200	110	3000	No	IP66	2 kV	0.50
709000072200	LEDflood-E3 Re115-20W-840-WH	Halogen 100W	20	2400	120	4000	No	IP66	2 kV	0.50
709000071500	LEDflood-E3 Re100-10W-830-BL	Halogen 50W	10	1100	110	3000	No	IP66	2 kV	0.40
709000071700	LEDflood-E3 Re100-10W-840-BL	Halogen 50W	10	1200	120	4000	No	IP66	2 kV	0.40
709000071600	LEDflood-E3 Re115-20W-830-BL	Halogen 100W	20	2200	110	3000	No	IP66	2 kV	0.50
709000071800	LEDflood-E3 Re115-20W-840-BL	Halogen 100W	20	2400	120	4000	No	IP66	2 kV	0.50
709000072700	LEDflood-E3 Re144-30W-830-BL	HID 50W	30	3600	120	3000	No	IP66	2 kV	0.73
709000072800	LEDflood-E3 Re144-30W-840-BL	HID 50W	30	3900	130	4000	No	IP66	2 kV	0.73
709000072900	LEDflood-E3 Re170-50W-830-BL	HID 70W	50	6000	120	3000	No	IP66	4 kV	0.96
709000073000	LEDflood-E3 Re170-50W-840-BL	HID 70W	50	6500	130	4000	No	IP66	4 kV	0.96
709000073100	LEDflood-E3 Re246-70W-830-BL	HID 150W	70	8400	120	3000	No	IP66	4 kV	2.04
709000073200	LEDflood-E3 Re246-70W-840-BL	HID 150W	70	9100	130	4000	No	IP66	4 kV	2.04
709000073300	LEDflood-E3 Re246-100W-830-BL	HID 250W	100	12000	120	3000	No	IP66	4 kV	2.20
709000073400	LEDflood-E3 Re246-100W-840-BL	HID 250W	100	13000	130	4000	No	IP66	4 kV	2.20
709000073500	LEDflood-E3 Re300-150W-830-BL	HID 400W	150	18000	120	3000	No	IP66	4 kV	3.31
709000073600	LEDflood-E3 Re300-150W-840-BL	HID 400W	150	19500	130	4000	No	IP66	4 kV	3.31
709000073700	LEDflood-E3 Re345-200W-830-BL	HID 400W	200	24000	120	3000	No	IP66	4 kV	4.40
709000073800	LEDflood-E3 Re345-200W-840-BL	HID 400W	200	26000	130	4000	No	IP66	4 kV	4.40
Motion Detection, Daylight Detection										
709000072300	LEDflood-E3 Re144-10W-830-BL-MD	Halogen 50W	10	1100	110	3000	Yes	IP65	2 kV	0.78
709000072500	LEDflood-E3 Re144-10W-840-BL-MD	Halogen 50W	10	1200	120	4000	Yes	IP65	2 kV	0.78
709000072400	LEDflood-E3 Re144-20W-830-BL-MD	Halogen 100W	20	2200	110	3000	Yes	IP65	2 kV	0.78
709000072600	LEDflood-E3 Re144-20W-840-BL-MD	Halogen 100W	20	2400	120	4000	Yes	IP65	2 kV	0.78

Accessories



543098021900
LEDFixture-IP68-Connector-Kit-3



599000004600
LEDStreet-SE-ExtensionCable-6m



5 YEARS WARRANTY



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 / Motion + Daylight detection (MD)
Sensor technology	No / Microwave (MW)
Beam angle	100°
Finishing	White / Black
Colour rendering index (CRI)	≥ 80
Impact strength	IK07
Protection class	I
Risk group (EN 62471)	RG1
With control gear	Yes
Glow wire test	850°C
Power factor	≥ 0.9

Electrical Supply

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

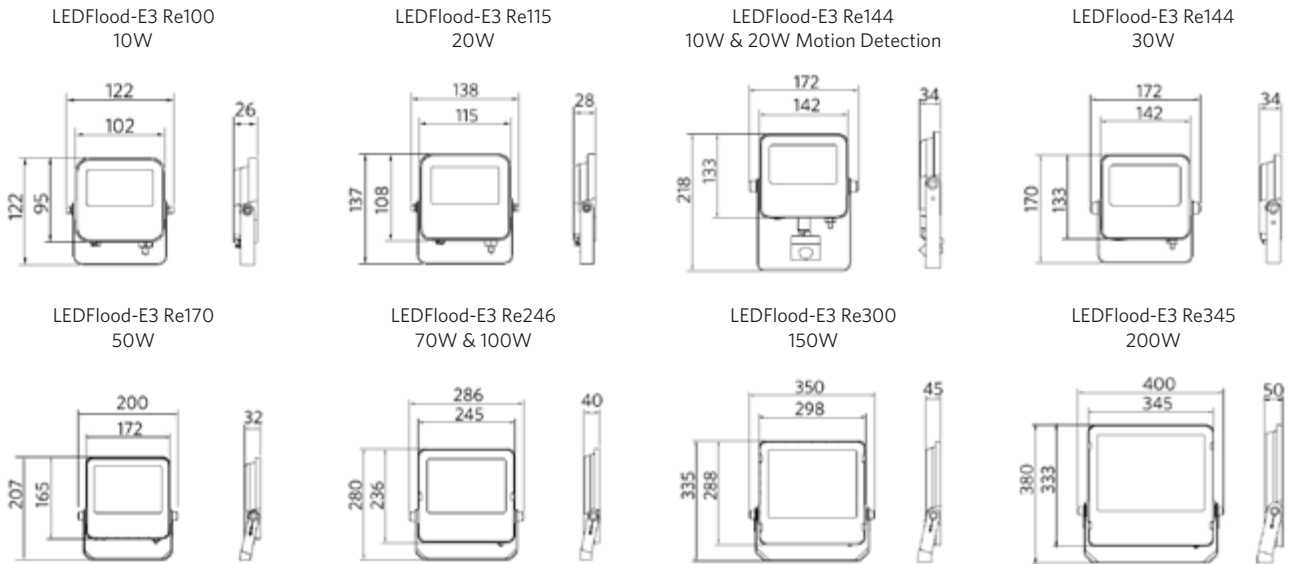
Mechanical Properties

Housing material	Die-casted Aluminum
Optical material	Polycarbonate
Cover material	Tempered glass
Coastal proof	Yes

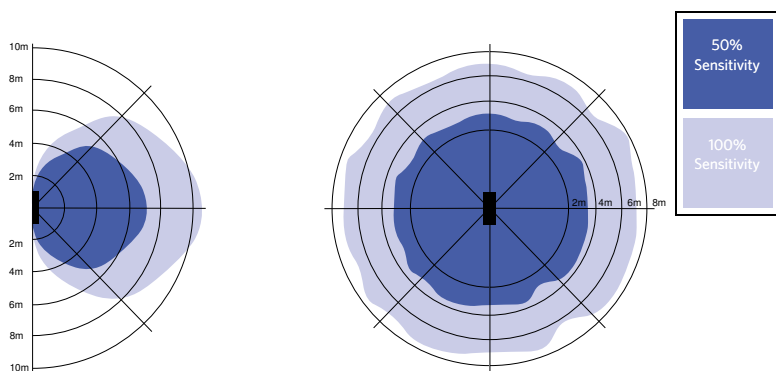
Ambient Conditions

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

Dimensional Drawing (mm)



Motion sensors - Detection range



Installation - Wall mounted
Suggested installation height 1.5-3m

Installation - Ceiling mounted
Suggested installation height 1.5-3m







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Lamps & Tools	158
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- 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	470	118	2700	0.03
500010001500	LED-E-A60-FILA-E27-7W-2700K-CL	GLS 60W	7	806	115	2700	0.03
A60, Dimmable (Triac)							
500010001100	LED-E-A60-FILA-E27-4.5W-DIM-2700K-CL	GLS 40W	4.5	470	104	2700	0.03
500010001900	LED-E-A60-FILA-E27-4.5W-DIM-2700K-FR	GLS 40W	4.5	470	104	2700	0.03
500010001300	LED-E-A60-FILA-E27-4.5W-DIM-4000K-FR	GLS 40W	4.5	470	104	4000	0.03
500010001000	LED-E-A60-FILA-E27-7W-DIM-2700K-CL	GLS 60W	7	806	115	2700	0.03
500010001200	LED-E-A60-FILA-E27-7W-DIM-2700K-FR	GLS 60W	7	806	115	2700	0.04
500010000400	LED-E-A60-FILA-E27-7W-DIM-4000K-FR	GLS 60W	7	806	115	4000	0.04
B35, On-Off							
500011000500	LED-E-B35-FILA-E14-2.8W-2700K-CL	GLS 25W	2.8	250	89	2700	0.01
500011000300	LED-E-B35-FILA-E14-4W-2700K-CL	GLS 40W	4	470	118	2700	0.01
B35, Dimmable (Triac)							
500011000400	LED-E-B35-FILA-E14-2.8W-DIM-2700K-FR	GLS 25W	2.8	250	89	2700	0.01
500011000200	LED-E-B35-FILA-E14-4.5W-DIM-2700K-CL	GLS 40W	4.5	470	104	2700	0.01
500011000100	LED-E-B35-FILA-E14-4.5W-DIM-2700K-FR	GLS 40W	4.5	470	104	2700	0.02
Mini Globe (P, G45), On-Off							
500010000600	LED-E-P45-FILA-E14-2.8W-2700K-CL	GLS 25W	2.8	250	89	2700	0.01
500010001800	LED-E-P45-FILA-E14-4W-2700K-CL	GLS 40W	4	470	118	2700	0.01
500010002000	LED-E-G45-FILA-E27-2.8W-2700K-CL	GLS 25W	2.8	250	89	2700	0.02
Mini Globe (P, G45), Dimmable (Triac)							
500010000500	LED-E-P45-FILA-E14-2.8W-DIM-2700K-FR	GLS 25W	2.8	250	89	2700	0.02
500010000800	LED-E-G45-FILA-E27-2.8W-DIM-2700K-FR	GLS 25W	2.8	250	89	2700	0.02
500010001700	LED-E-P45-FILA-E14-4.5W-DIM-2700K-CL	GLS 40W	4.5	470	104	2700	0.02
500010000700	LED-E-P45-FILA-E14-4.5W-DIM-2700K-FR	GLS 40W	4.5	470	104	2700	0.02
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	0.02
ST64, Dimmable (Triac)							
500012000200	LED-E-ST64-FILA-E27-4.5W-DIM-2200K-CL	GLS 40W	4.5	400	89	2200	0.05
500012000300	LED-E-ST64-FILA-E27-4.5W-DIM-2700K-CL	GLS 40W	4.5	470	104	2700	0.05
500012000400	LED-E-ST64-FILA-E27-7W-DIM-2200K-CL	GLS 60W	7	700	100	2200	0.05
500012000100	LED-E-ST64-FILA-E27-7W-DIM-2700K-CL	GLS 60W	7	806	115	2700	0.05



3 YEARS WARRANTY

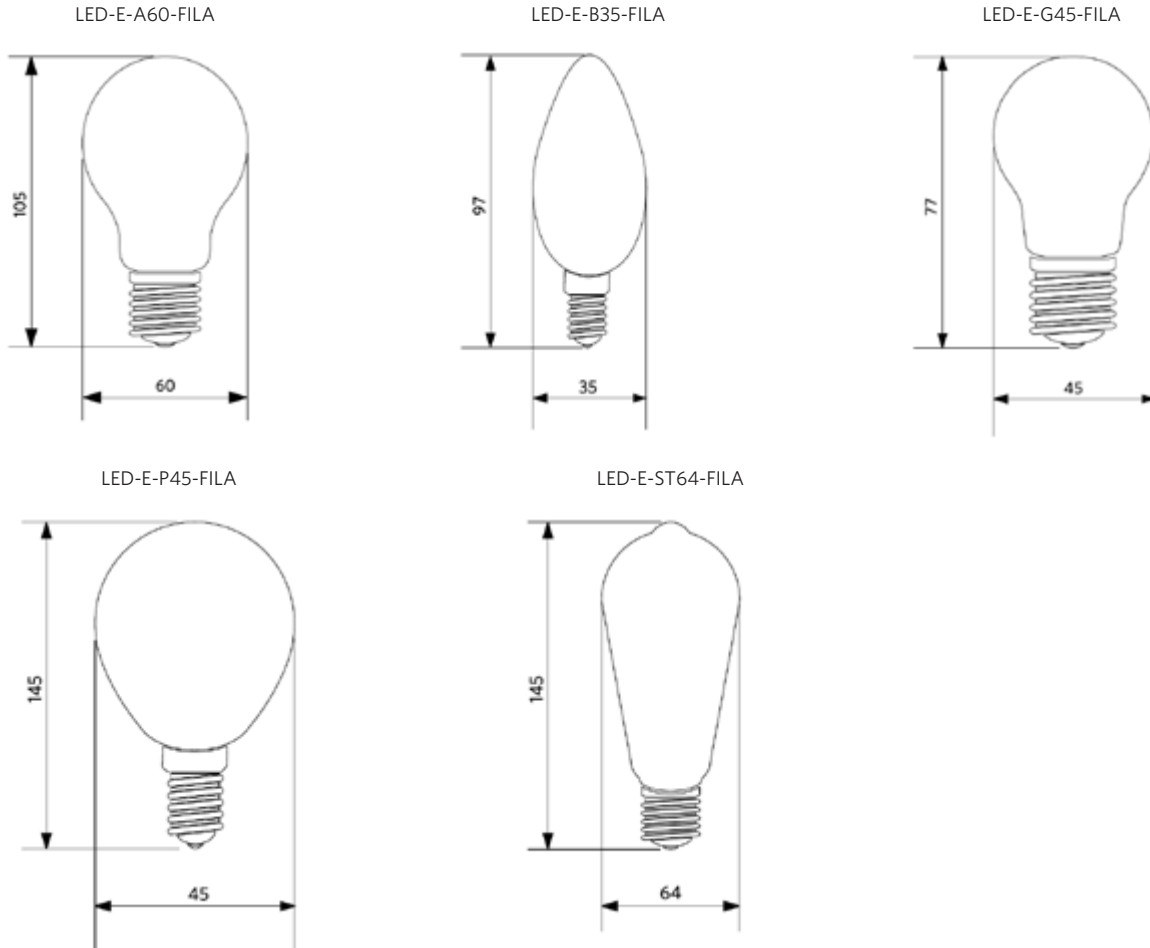


Technical Specifications	
Lifetime (L70)	15,000 h
On-/Off-cycles	100,000
Dimmability	On-Off / Triac
Beam angle	360°
Finishing	Clear / Frosted
Colour rendering index (CRI)	≥ 80

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)



SMART

INDOOR

OUTDOOR

LAMPS & TOOLS

TECHNICAL DATA

GLOSSARY





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)
Dimmable (Triac)							
140060948	LED-E-GU10-3,5W-3000K-36D-DIM	Halogen 35W	3.5	245	70	3000	0.03
140060952	LED-E-GU10-3,5W-4000K-36D-DIM	Halogen 35W	3.5	260	74	4000	0.03
140060949	LED-E-GU10-5,2W-3000K-36D-DIM	Halogen 50W	5.2	350	67	3000	0.04
140060953	LED-E-GU10-5,2W-4000K-36D-DIM	Halogen 50W	5.2	360	69	4000	0.04
140060951	LED-E-GU10-7,5W-3000K-36D-DIM	Halogen 75W	7.5	565	75	3000	0.06
140060955	LED-E-GU10-7,5W-4000K-36D-DIM	Halogen 75W	7.5	575	77	4000	0.06

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

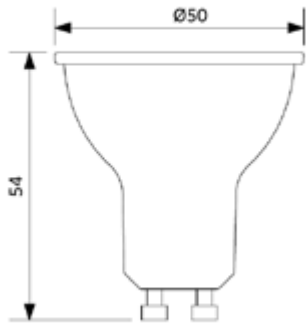
Ambient Conditions	
Operating temperature	-20-+40°C
Application temperature	+25°C
Storage environment	-25-+50°C

3 YEARS WARRANTY

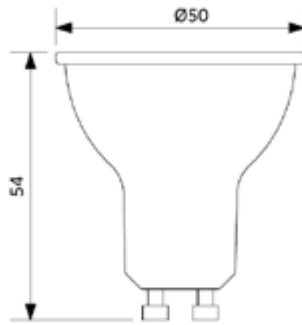


Dimensional Drawing (mm)

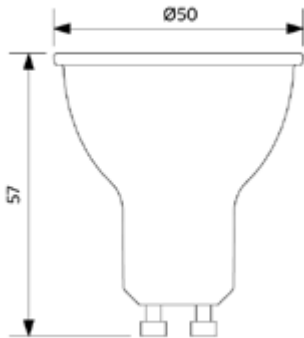
LED-E-GU10-5,2W



LED-E-GU10-3,5W



LED-E-GU10-7,5W





T8 Tube

- Single-ended full IEC compliant LED Tube with patented driver
- Retrofit existing T8 lamps with EM ballast installations ONLY!
- No warm-up time, 100% light instantly when switched on
- Full glass body
- High efficacy up to 134 lm/W



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							
140062610	LED P T8 glass 600 8W 100pct 3000K CT	TL 1x18W	8	1050	131	3000	0.11
140062611	LED P T8 glass 600 8W 100pct 4000K CT	TL 1x18W	8	1050	131	4000	0.11
140062612	LED P T8 glass 600 8W 100pct 6500K CT	TL 1x18W	8	1050	131	6500	0.11
140062613	LED P T8 glass 1200 16W 100pct 3000K CT	TL 1x36W	16	2100	131	3000	0.20
140062614	LED P T8 glass 1200 16W 100pct 4000K CT	TL 1x36W	16	2100	131	4000	0.20
140062615	LED P T8 glass 1200 16W 100pct 6500K CT	TL 1x36W	16	2100	131	6500	0.20
140062616	LED P T8 glass 1500 23W 100pct 3000K CT	TL 1x58W	23	3100	134	3000	0.27
140062617	LED P T8 glass 1500 23W 100pct 4000K CT	TL 1x58W	23	3100	134	4000	0.27
140062618	LED P T8 glass 1500 23W 100pct 6500K CT	TL 1x58W	23	3100	134	6500	0.27

Single-ended connection



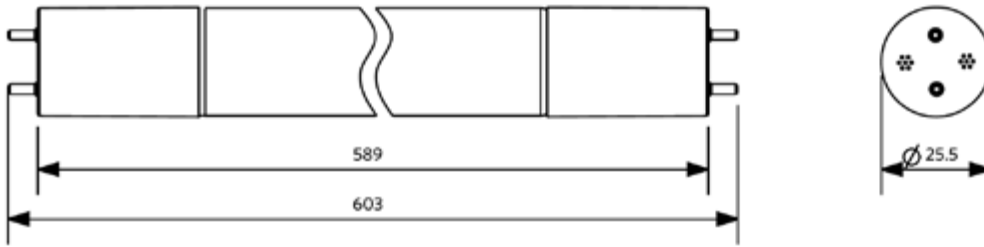
Technical Specifications		Electrical Supply	
Lifetime (L70)	50,000 h	Frequency	50/60 Hz
On-/Off-cycles	100,000	Nominal voltage	220-240 V
Dimmability	On-Off	DC input voltage	No
Beam angle	220°	Ambient Conditions	
Finishing	White	Operating temperature	-25-+45°C
Colour rendering index (CRI)	≥ 80	Application temperature	+25°C
Fitting	G13	Storage environment	-25-+50°C

5 YEARS WARRANTY

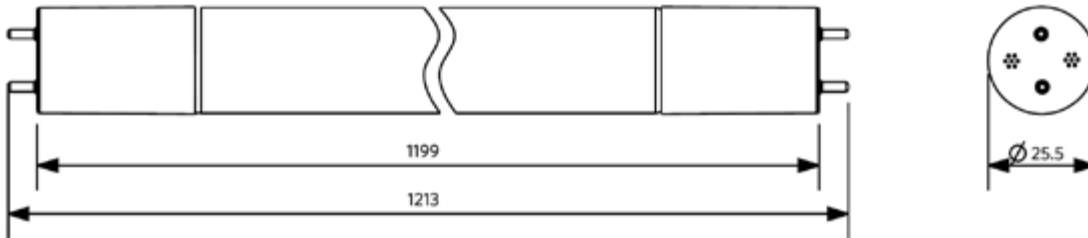


Dimensional Drawing (mm)

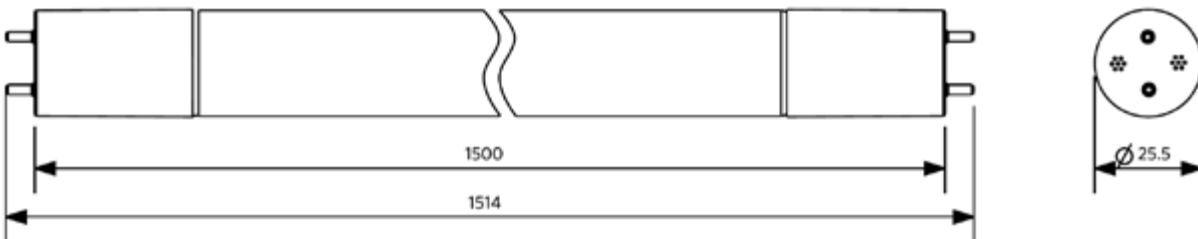
LED P T8 glass 600



LED P T8 glass 1200



LED P T8 glass 1500





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	1300	109	2700	0.10
140066574	LED E C module 12W 4000K Clio CT	GLS 75W	12	1400	117	4000	0.10
140066575	LED E C module 16W 2700K Clio CT II	GLS 100W	16	1650	104	2700	0.17
140066576	LED E C module 16W 4000K Clio CT II	GLS 100W	16	1800	113	4000	0.17
Dimmable (Triac)							
140066204	LED E C module 22W DIM 2700K Clio CT	CFL TC-DD/PL-Q 28W	22	2300	105	2700	0.24
140066205	LED E C module 22W DIM 4000K Clio CT	CFL TC-DD/PL-Q 28W	22	2400	110	4000	0.24
140066206	LED E C module 36W DIM 2700K Clio CT	CFL TC-DD/PL-Q 38W	36	3800	106	2700	0.49
140066207	LED E C module 36W DIM 4000K Clio CT	CFL TC-DD/PL-Q 38W	36	3900	109	4000	0.49

Accessories



140060553
LED Module sensor CT

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



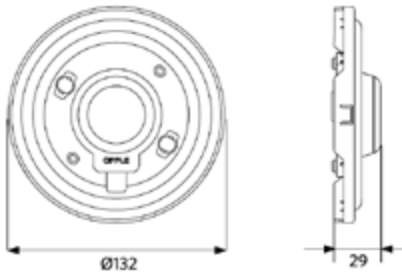
3 YEARS WARRANTY



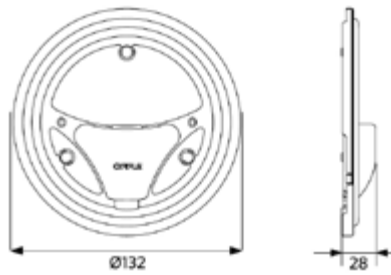
Technical Specifications		Electrical Supply	
Lifetime (L70)	30,000 h	Frequency	50/60 Hz
Lifetime (L80)	20,000 h	Nominal voltage	220-240 V
On-/Off-cycles	100,000	DC input voltage	No
Dimmability	On-Off / Triac	230V Cable length	0.3 m
Beam angle	150°	Ambient Conditions	
Colour rendering index (CRI)	≥ 80	Operating temperature	-20~+40°C
Degree of protection (IP)	IP20	Application temperature	+25°C
Protection class	II	Storage environment	-25~+50°C
With control gear	Yes		

Dimensional Drawing (mm)

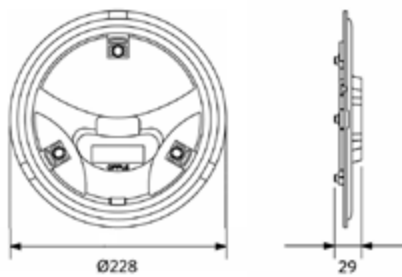
LED E C module 12W



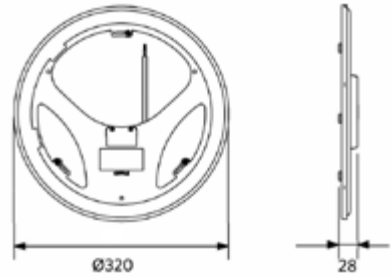
LED E C module 16W



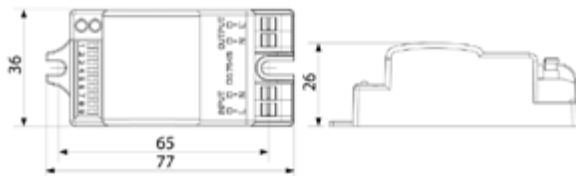
LED E C module 22W



LED E C module 36W



LED E C module
Module sensor CT



SMART

INDOOR

OUTDOOR

LAMPS & TOOLS

TECHNICAL DATA

GLOSSARY





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

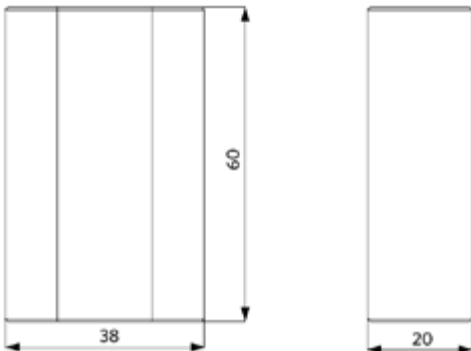
Item Code	Item Description
599000032700	Light-master-III

Technical Specifications	
Rechargeable	Yes - micro USB
Lux range	0-50000 lx
Color temperature range	2000-25000 K
Operating temperature	-10~+40°C



Dimensional Drawing (mm)

Light-master-III



Google Play Store



Apple App Store



Accessories

LED Module sensor CT

- Sensor accessory for luminaires
- Detection range: 12m

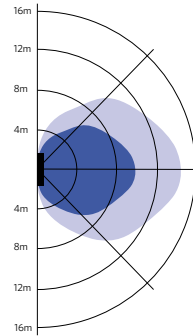
Suitable for:

- Ceiling Light Apollo
- Linear Ecomax
- Module Clío G2

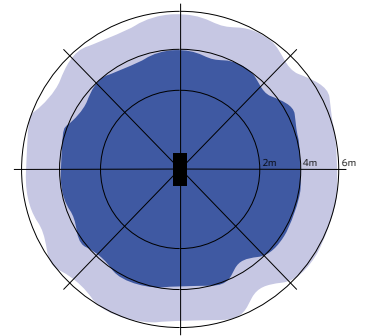
L x W x H: 76.7mm x 35.5mm x 25.5mm



Product Code:
140060553



Installation - Wall Mounted
Suggested installation height 1-1.8m



Installation - Ceiling Mounted
Suggested installation height 2.5-6m

LED Waterproof-CLA-Sensor

- Sensor accessory for the LED Waterproof Classic 1.2 and 1.5m
- Detection range: 6m

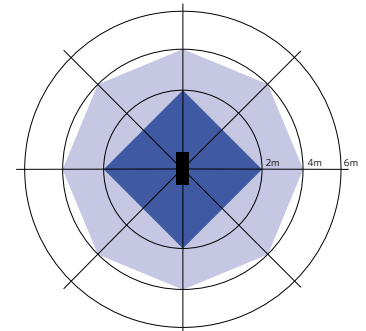
Suitable for:

- Waterproof Classic

L x W x H: 21mm x 168mm x 28mm



Product Code:
531098000100



Installation - Ceiling Mounted
Suggested installation height 3-4m

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 Sydney
- Slim Panel Performer UGR19 G5
- Slim Panel EcoMax UGR22 G2
- Slim Panel EcoMax G4
- Slim Panel Basic G3

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



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

LEDDownlightRc-P EM-kit 1h/3h

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

Suitable for:

- Downlight Performer HG
- Downlight Performer MW

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



Product Code:
549098001300 (1h)
549098001400 (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







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Cut-Out Conversion List

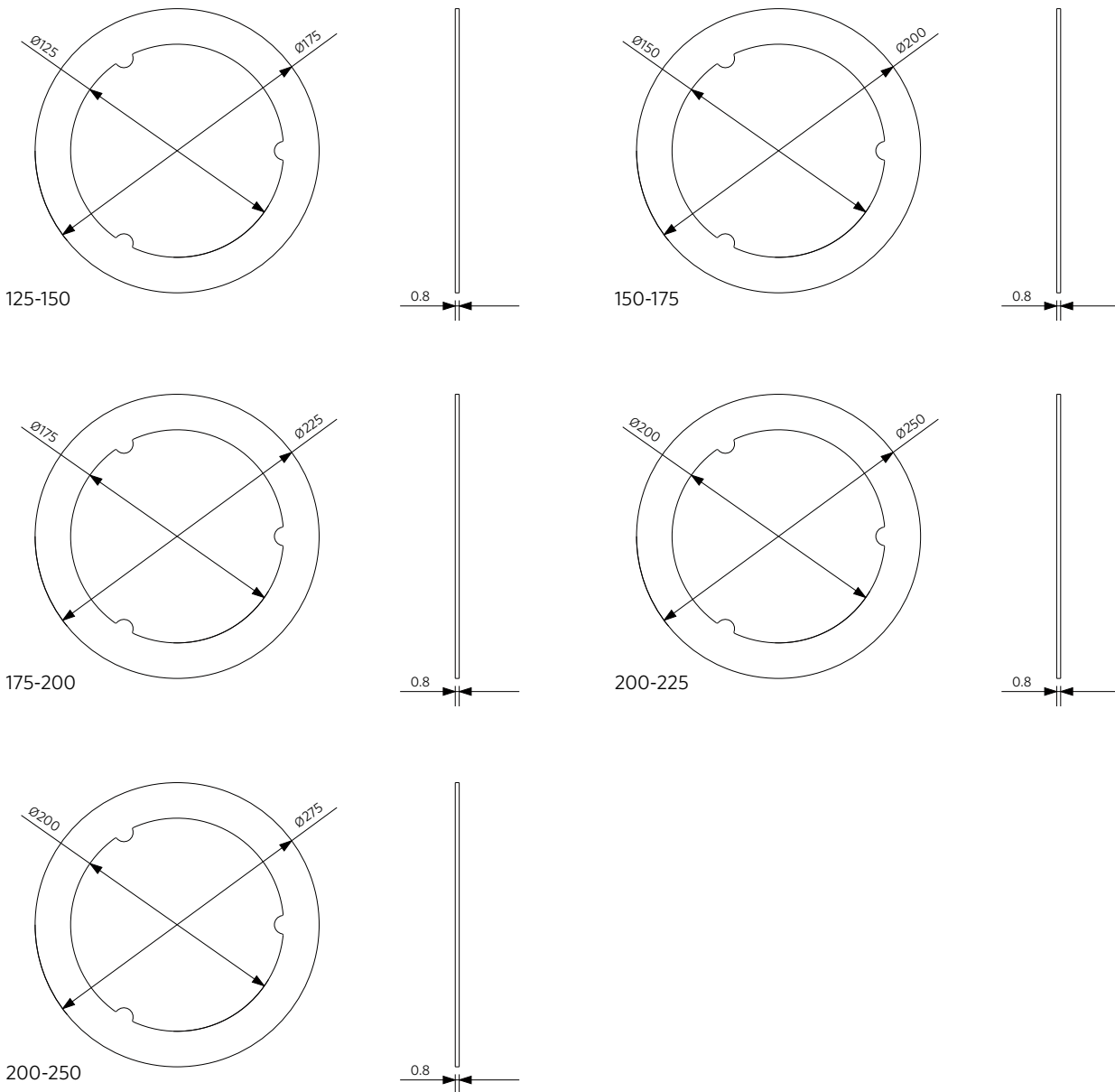
Cut-out overview													
Cut-Out (mm)		Ø68	Ø72	Ø76	Ø80	Ø100	Ø120	Ø125	Ø150	Ø172	Ø175	Ø200	
Downlights	Downlight Performer HG	11.5W											
		15W											
		23W											
		33W											
	Downlight Performer MW	11.5W											
		15W											
		23W											
		33W											
		44W											
	Downlight Compact	9W											
		14W											
		18W											
		24W											
	Downlight Slim EcoMax	12W											
		24W											
		24W Sq											
Cut-Out (mm)		Ø68	Ø72	Ø76	Ø80	Ø100	Ø120	Ø125	Ø150	Ø172	Ø175	Ø200	
Spots	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
140060646	LEDDownlightRc-P-Adapter-150-175	139	175	200
140060647	LEDDownlightRc-P-SI-E-Adapter-200-225	199	225	250
140060648	LEDDownlightRc-P-SI-E-Adapter-200-250	199	220-240	275
140060650	LEDDownlightRc-Hzdim-Adapter-125-150	114	150	175
140060651	LEDDownlightRc-HZdim-Adapter-175-200	173	200	225
140060652	LEDDownlightRc-Hzdim-Adapter-200-225	194	225	250
140060649	LEDDownlightRc-Hzdim-Adapter-200-250	194	220-240	275
140060653	LEDDownlightRc-SI-E-Adapter-150-175	135	175	200



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 Sydney	35W	n/a	40	57	23	24
Panel Sydney	35W DALI/10V/BLE	180-280	21	35	21	162
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 G5	30W/30W DALI	180-280	16	25	25	500
Slim Panel Performer UGR19 G5	34W/34W DALI	180-280	16	25	25	500
Slim Panel Performer UGR19 G5	30W/34W BLE	180-280	16	25	25	500
Slim Panel Performer UGR19 G5	34W BLE TW	180-280	21	35	45	143
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
Lima	15/18W DALI/BLE	180-280	17	28	25	330
Lima	30/36W DALI/BLE	180-280	15	26	20	400
Panel Suspended Zenith	75W DALI	190-210	18	30	35	500
Panel Suspended Zenith	75W BLE	200-300	32	35	39	103
Downlight Performer HG	11.5W/11.5W DALI	200-300	55	92	20	356
Downlight Performer HG	15W/15W DALI	200-300	55	92	20	356
Downlight Performer HG	23W/23W DALI	200-300	26	43	18	800
Downlight Performer HG	33W/33W DALI	200-300	26	43	18	800
Downlight Performer HG	11.5W/15W BLE	180-280	55	92	24	100
Downlight Performer HG	23W/23W BLE	180-280	26	43	20	240
Downlight Performer HG	25W BLE TW	n/a	21	35	45	143
Downlight Performer MW	44W	190-210	16	32	25	250
Downlight Performer MW	11.5W/11.5W DALI	200-300	55	92	20	356
Downlight Performer MW	15W/15W DALI	200-300	55	92	20	356
Downlight Performer MW	23W/23W DALI	200-300	26	43	18	800
Downlight Performer MW	33W/33W DALI	200-300	26	43	18	800
Downlight Performer MW	11.5W/15W BLE	180-280	55	92	24	100
Downlight Performer MW	23W/23W BLE	180-280	26	43	20	240
Downlight Performer MW	25W BLE TW	n/a	21	35	45	143
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
Downlight Slim EcoMax	12W	n/a	105	178	11	59
Downlight Slim EcoMax	24W	n/a	52	88	11	56
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



Category	Types	DC Input Voltage	Max. units per B16	Max. units per C16	Max. inrush current (A)	Inrush time (µs)
Spot Performer 3C	30W	200-300	13	22	45	500
Spot EcoMax 3C	30W	200-300	24	40	10	230
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
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
Spot Chiara	6W	220-240	103	228	8	216
Spot Chiara	8W	220-240	113	172	12	132
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
Porchlight EcoMax	5W/6W	200-300	200	350	18	20
Linear EcoMax	20W	n/a	41	70	30	500
Linear EcoMax	40W/54W	n/a	26	44	180	2
T8 Tube	38W	150-300	44	74	17.2	660
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 G2	80W/120W	n/a	6	11	43	400
Highbay EcoMax G2	150W/200W	n/a	6	10	52	400
Highbay EcoMax G2	240W	n/a	2	3	50	1000
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	20W	240-360	56	90	13	92
Waterproof Classic	29W	240-360	26	50	19	103
Waterproof Classic	43W	240-360	21	34	19	103
Waterproof Classic	53W	240-360	20	34	19	103
Waterproof EcoMax G2	10W	n/a	24	40	8	60
Waterproof EcoMax G2	20W	n/a	24	40	8	80
Waterproof EcoMax G2	18W	n/a	24	40	8	80

SMART

INDOOR

OUTDOOR

LAMPS & TOOLS

TECHNICAL DATA

GLOSSARY



Category	Types	DC Input Voltage	Max. units per B16	Max. units per C16	Max. inrush current (A)	Inrush time (µs)
Waterproof EcoMax G2	37W	n/a	24	40	10	80
Waterproof EcoMax G2	27W	n/a	24	40	10	100
Waterproof EcoMax G2	50W	n/a	24	40	13	50
Waterproof Basic G2	36W	240-380	22	37	26	204
Waterproof Basic G2	50W	240-380	19	31	34	182
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
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
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
Roadlight EcoMax	90W DALI/STEP	190-210	7	12	19	1740
Roadlight EcoMax	120W DALI/STEP	190-210	5	9	41	510
Roadlight EcoMax	150W DALI/STEP	190-210	4	8	49	500
Roadlight EcoMax	200W DALI/STEP	190-210	3	6	50	600
Streetlight G2	20W/40W	200-300	29	49	17	250
Streetlight G2	65W	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 Performer	10,5W	180-260	75	96	10	25
Bollard Luke	8W	200-300	213	160	6.8	36.6
Spot Projector	10W	220-240	178	178	7	67
Spot Projector	20W	220-240	97	97	7	31
Wall Spot	8W	220-240	18	45	7	650
Wall Spot	15W	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



Category	Types	DC Input Voltage	Max. units per B16	Max. units per C16	Max. inrush current (A)	Inrush time (µs)
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



IP Rated Product Overview

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

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



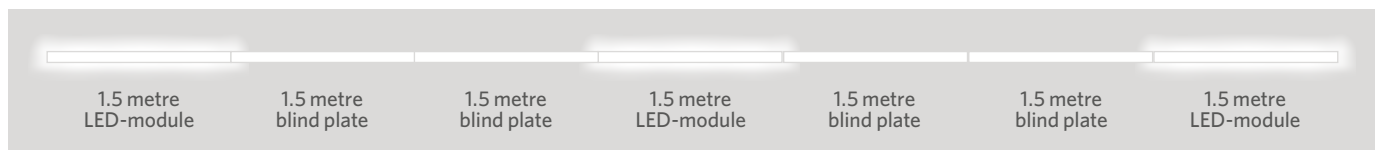
Trunking - module allocation

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



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

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



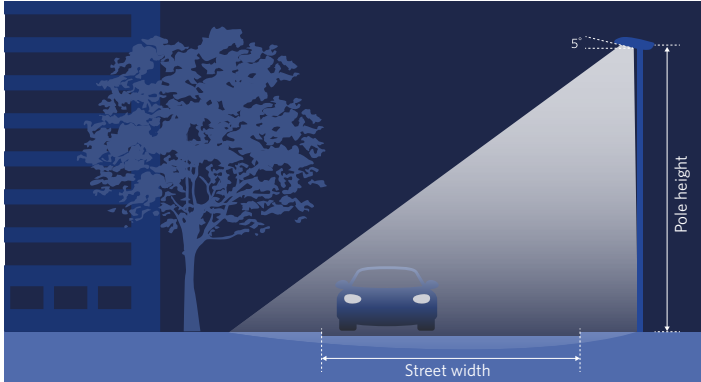
Trunk length (m)	Number of LED modules	Number of 3m trunks	Number of 3m end trunks	Number of 1.5m end trunks	Number of blind plates	Number of feed-in boxes	Number of end caps	Minimum number of hanging points
1.5	1	0	0	1	0	1	1	2
6.0	2	1	1	0	2	1	1	3
10.5	3	3	0	1	4	1	1	4
15.0	4	4	1	0	6	1	1	6
19.5	5	6	0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



Roadlight Stratus

Possible pole distances

Maximum Pole Distances



Lighting Class according to EN 13201: 2015
 Lighting Calculation details:
 • Roadway surface CIE R3 Q0: 0.07
 • Maintenance factor: 0.8
 • Arrangement type: single side bottom

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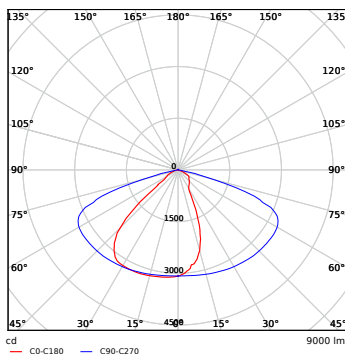
M-Class Roads

Luminaire	Illuminance Class	Width [m]	Pole distance[m]	Pole height [m]	Boom angle [°]	Light overhang [m]
LED Roadlight Stratus 60W AS	M3	10	22	8	10	1
		9	26	6.5	10	0.5
		8	28	6.5	5	0.5
		7	30	7	0	1
	M4	10	30	7	10	0.5
		9	32	7.5	10	0.5
		8	34	8.5	0	1
		7	35	8.5	0	1
LED Roadlight Stratus 80W AS	M3	10	31	8	5	1
		9	33	8	5	1
		8	34	8	5	1
		7	35	9	0	1
	M4	10	38	9	10	1
		9	40	9.5	0	1
		8	41	10	0	1
		7	42	10	0	0.5

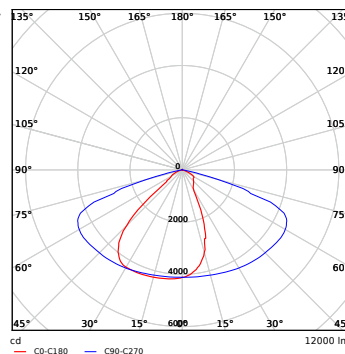
Luminaire	Illuminance Class	Width [m]	Pole distance[m]	Pole height [m]	Boom angle [°]	Light overhang [m]
LED Roadlight Stratus 120W AS	M3	10	41	10	0	0
		9	41	10	0	0
		8	41	10	0	0
		7	41	10	0	0
	M4	10	47	11.5	5	0.5
		9	48	12	0	0
		8	49	12	5	0
		7	51	12.5	0	0
LED Roadlight Stratus 150W AS	M3	10	46	11.5	5	1
		9	47	11.5	5	1
		8	49	12	0	1
		7	50	12.5	0	1
	M4	10	55	13.5	0	0.5
		9	57	14	0	1
		8	57	14.5	0	1
		7	57	14.5	0	1

*Calculation is based on 4000K version

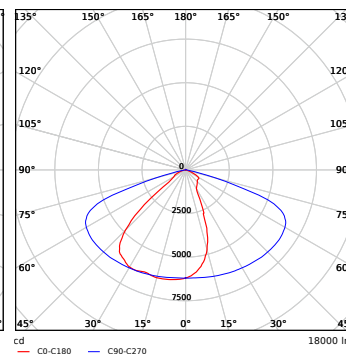
Polar Diagrams



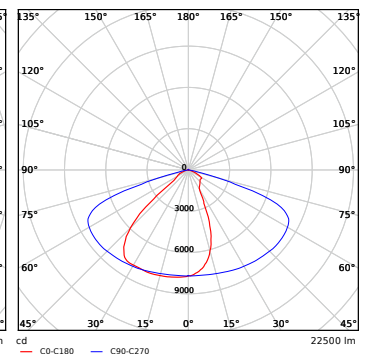
LED Roadlight Stratus-60W



LED Roadlight Stratus-80W



LED Roadlight Stratus-120W



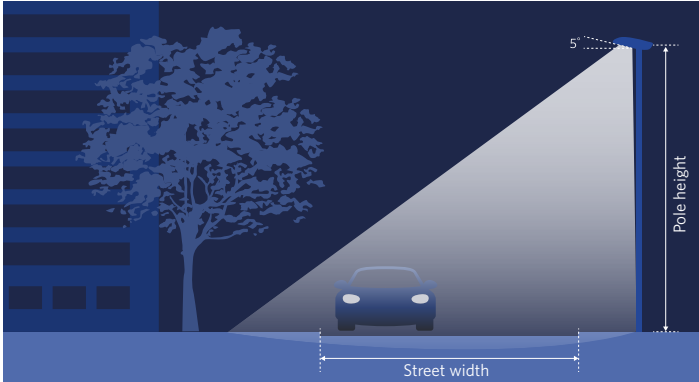
LED Roadlight Stratus-150W



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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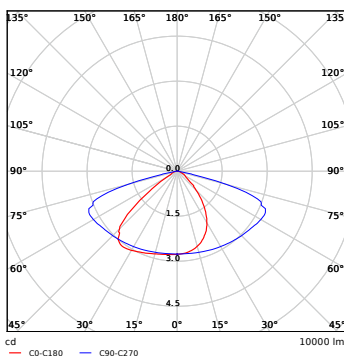
M-Class Roads

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

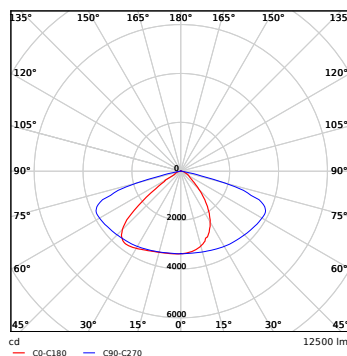
Luminaire	Illuminance Class	Width [m]	Pole distance[m]	Pole height [m]	Boom angle [°]	Light overhang [m]
LEDRoadlight-E 100W	M3	7	34	8	0	1
		8	34	7.5	0	1
		9	32	7.5	0	1
		10	30	7.5	0	1
		11	28	7	10	1
LEDRoadlight-E 100W	M4	7	41	9	0	0.5
		8	40	9	0	1
		9	39	8.5	0	1
		37	8.5	0	1	
		11	36	8.5	0	1

M-class = main road

Polar Diagrams



LEDRoadlight-E 80W



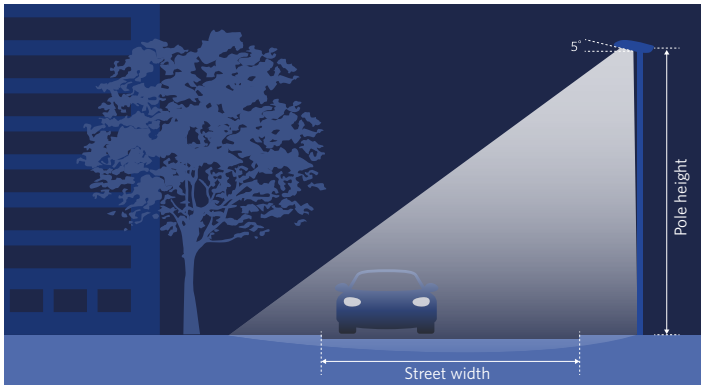
LEDRoadlight-E 100W



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
M5	7	44	9.5	5	0.5	
	8	41	9.5	5	0.5	

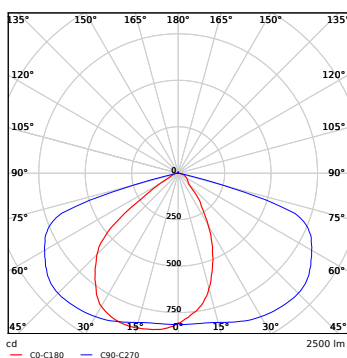
M-class = main road

P-Class Roads

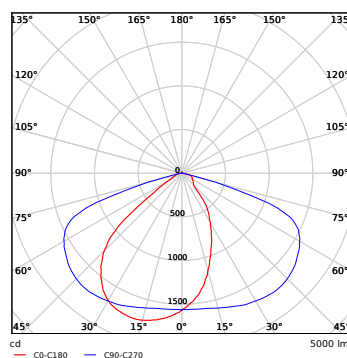
Luminaire	Illuminance Class	Street width [m]	Maximum pole distance[m]	Pole height [m]	Boom angle [°]	Light overhang [m]
LEDStreetlight-E2 20W	P2	3	24	4.5	5	0
		4	23	4	5	0
		5	23	4	5	0.5
	P4	6	20	4	5	0.3
		3	35	6.5	5	0.5
		4	35	6.5	5	0.3
LEDStreetlight-E2 40W	P2	5	34	6	5	0.1
		6	33	6	5	0.5
		3	32	6	5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

P-class = pedestrian road

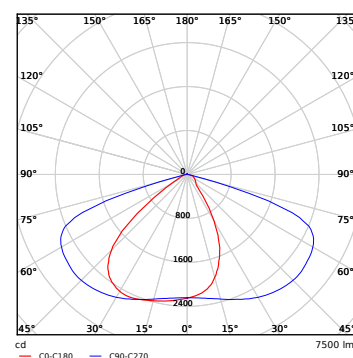
Polar Diagrams



LEDStreetlight-E2 20W



LEDStreetlight-E2 40W



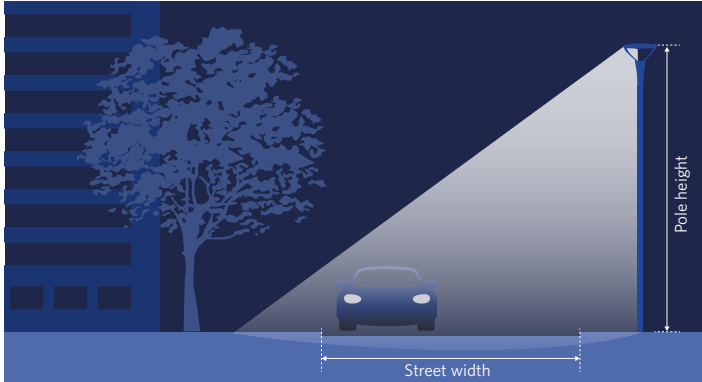
LEDStreetlight-E2 60W



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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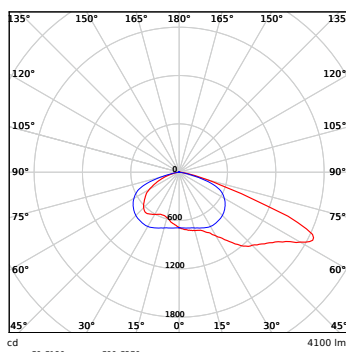
P-Class Roads

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
		6	30	5.5
	LED Post Top 50W - AS	P2	3	28
4			28	5.5
5			27	5
6			27	5
P3		3	32	6.5
		4	32	6.5
		5	31	6.5
		6	31	6.5
P4		3	40	8
		4	39	8
		5	39	8
		6	38	7.5

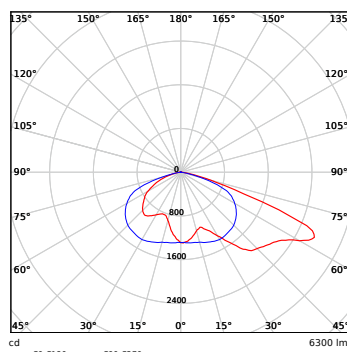
P-class = pedestrian road

*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.

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.

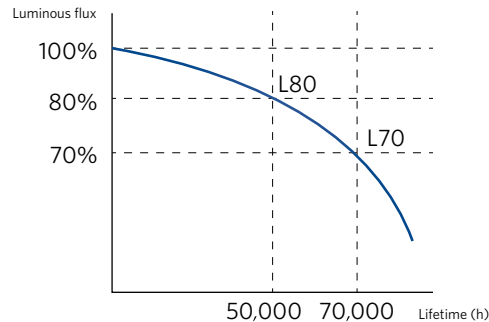
Power factor (pf)

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

- 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.
- The IP code consists of two digits. First digit: Solid particle protection. Second digit: Liquid ingress protection

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

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



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

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

IK

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

The most common IK values are:

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

SKG

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

Protection class

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

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

Flicker free

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

D-Mark

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

Zhaga

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

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

Glossary

Glossary general

CCT

Color temperature in Kelvin

CRI (Ra)

Colour Rendering Index

DALI

Digital 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 ($\cos \phi$)

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

DF-DZ

Diffusor version (trunking)

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 ≤ 19

W

Wide beam angle

WH

White

XAS

"Extra Asymmetric" beam angle (160°*93°)

XN

Extra narrow

ZH

Zhaga



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