

55W LED Waterproof Light with Emergency Kit & Radar Sensor | COREPLUS EVO 150CM | Philips Xitanium | 3CCT | IP66



Product code:

Reference: KIT91457

Technical specifications:

REFERENCE: KIT91457
Rated Power : Power Select: 30W / 40W / 45W / 55W
Colour: 3CCT SELECT 3000K-4000K-6500K
CRI - Chromatic Rendiment Index: 80
Construction Material: ABS + Makrolon® 2807
Luminosity-Lm: 7700Lm
Number & Type of LEDs: SMD 2835
Beam Angle (°): 120°
Luminous diodo LED (Lm/W): 165Lm/W
Luminous Efficiency (Lm/W): 140 Lm/W
Certifications: CE - RoHS - EMC - UL
IP : IP66
Diode Life Expectancy (H): 35.000
Dimensions (mm): L: 1450 W:81 H:71 mm
Power Factor (PF): 0.95
Frequency (Hz): 50/60Hz
Temperature Range (°C): -20°C ~ +55°C
On/Off Cycles: 100.000
Starting Time (s): 0,2s
Other Information: Customizable with Plug & Play emergency kit and Radar motion sensor.
Impact Protection (IK) : IK10
Driver included: Philips Xitanium Non Isolated 3CCT SWITCH
Energy Rating (2023 - UE-2019/2015): E
Warranty Years: 5

Product short description:

The **COREPLUS EVO 150cm LED waterproof luminaire** with **integrated emergency light system (3W, up to 3 h autonomy)** and **Plug & Play radar motion sensor**. Selectable power (30W / 40W / 45W / 55W) and 3CCT color temperature (3000K/4000K/6000K) for maximum versatility. With **Philips Xitanium driver** and **SMD2835 LEDs 140 Lm/W**, high efficiency (FP > 0.9), IP66 & IK10 protection, and uniform light. **Semi-transparent cover** and **dual-end connection** enable easy series installations in any environment.

At the following link, video tutorial of the assembly of the **waterproof fixture** with **emergency kit + motion sensor**: <https://www.youtube.com/watch?v=Xf5t-tWE0KQ>

Product description:

Waterproof LED 55W with Emergency Kit and Motion Sensor | COREPLUS EVO 150CM | Philips Xitanium Driver | 3CCT | IP66

The new generation of **COREPLUS EVO LED waterproof luminaires** represents the perfect combination of **energy efficiency, reliability, and professional versatility**. Designed for demanding environments, this fixture provides **powerful, uniform, and safe illumination**, even in the event of a power failure.

Total versatility

The **COREPLUS EVO** range adapts to every installation need:

- Waterproof light with emergency kit
- Waterproof light with radar motion sensor
- Waterproof light with emergency kit + radar motion sensor

Built-in emergency kit.

One of the key innovations of the **COREPLUS EVO** is its **integrated emergency lighting function**. In case of a power outage, the luminaire automatically turns on with **3W output** and provides up to **3 hours of autonomy**, ensuring sufficient safety lighting for evacuation or basic tasks. This system **requires no additional installation**, simplifying implementation and improving safety in any environment.

Radar Motion Sensor

Technical Datasheet

The LED luminaire is equipped with a **next-generation radar motion sensor** capable of detecting the presence of people or moving objects. This smart sensor **activate automatically when movement is detected**, enhancing comfort and optimizing energy consumption, as the light only turns on when truly needed. This makes the **COREPLUS EVO** ideal for occasional traffic areas such as corridors, parking lots, storage areas, and exterior access points.

Sensor specifications:

- Detection radius: $r \geq 3$ m (ceiling mounting), $r \geq 8$ m (wall mounting)
- Detection speed: 1 m/s, 100 % sensitivity, 165 cm person
- Mounting height: 2.5-5 m (ceiling), 2-3 m (wall)

Thanks to its advanced technology, it allows **power selection (30W / 40W / 45W / 55W)** and **3CCT color temperature adjustment (3000K / 4000K / 6000K)**, easily adapting to any space or lighting need. Its **Philips Xitanium non-isolation driver** and **high-performance SMD2835 LEDs (140 Lm/W)** ensure stable operation, high efficiency (FP > 0.9), and long service life, reducing consumption and maintenance costs.

The **IP66 and IK10 protection** guarantees total resistance to dust, moisture, impact, and extreme environmental conditions. Its **semi-transparent cover** provides uniform light distribution, preventing glare and improving visibility in large areas. The **dual-ended connection system** allows for quick and secure series installations, optimizing assembly time in industrial and commercial projects.

The **COREPLUS EVO** range also offers **customization options**, such as adding a **Plug & Play radar motion sensor**, enabling intelligent on/off control for even greater energy savings. Both systems (emergency kit and sensor) are available in our catalog.

Applications:

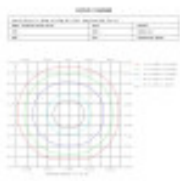
Thanks to its robust design, high light output, and advanced protection, the **COREPLUS EVO waterproof LED luminaire with emergency light** is ideal for:

- Industrial warehouses and storage facilities
- Garages, parking lots, and basements
- Cold rooms and refrigeration areas
- Industrial kitchens and food preparation areas
- Mechanical workshops and maintenance zones
- Outdoor corridors, access areas, and transit zones

The **COREPLUS EVO** is the **ultimate professional solution** for those seeking **efficient, safe, and durable lighting**, with the added reliability of an **integrated emergency system** and **Philips Xitanium quality assurance**.

In FactorLED we assure that our products have a **QUALITY** guarantee and offer all the necessary elements for **DISTRIBUTION, IMPORT or WHOLESALE**, including the technical data sheet of each LED product.

Additional images:



Technical Datasheet

