

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 activates 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:

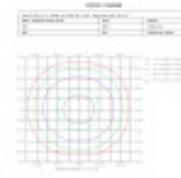
Thanks to its robust design, high light output, and advanced protection, the **COREPLUS EVO waterproof LED luminaire with emergency light** is ideal for:

- 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

