

OPTIMO UV-C LEDIZ®

Multifunction LED luminaire: disinfectant, illuminating and smart.

BENEFITS:

- "3 in 1" function: light up during the day, disinfect overnight, in an automated and secure way!
- Outstanding luminous and bactericide performance
- Easy mounting and operation (1-to-1 luminaire retrofit without re-wiring)
- Wireless remote control and built-in motion detector (instantaneous shutdown in case of human presence)
- No need for human intervention during disinfection operations
- Ecological disinfection without dangerous chemicals or polluting waste
- Extended lifetime, over 20 years
- Designed and manufactured in France – Patent pending

APPLICATIONS:

- Office, meeting rooms
- Classrooms
- Reception and circulation areas

PERFORMANCE

| | Lighting | UV-C |
|---------------------------------------|--|---|
| Output | 4000 lm | 1 W |
| System wattage | 27 W | 50 W |
| Luminous efficacy | 148 lm/W | N/A |
| Color temperature / Wavelength | 4000 K | 275 nm |
| CRI | > 80 | N/A |
| Lifetime | > 20 years, i.e. ~70,000 hours, based on 10 h/24 operation. Output maintenance ~80%. | > 20 years, i.e. ~15,000 hours, based on 2 h/24 operation. Output maintenance ~80%. |

Mounting:

Recessed model: lay-in (LI) recessed in modular false ceilings; fast connection with LINECT® connector

Surface mounted model: surface mounted or suspended (suspension kits to be ordered separately)

Lighting source:

Built-in LED modules (2 modules on the sides for lighting + 2 modules in the centre for UV-C)

Electrical equipment:

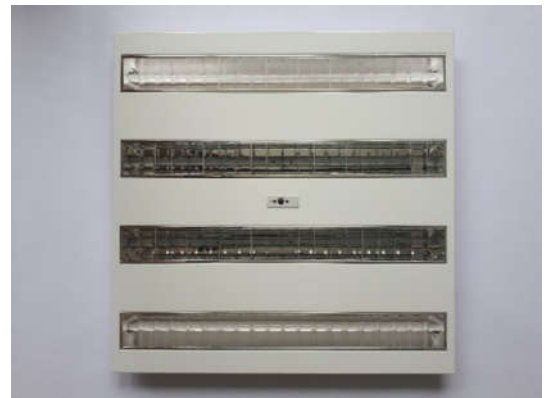
Built-in LED drivers and motion detector; CASAMBI® wireless monitoring

Housing:

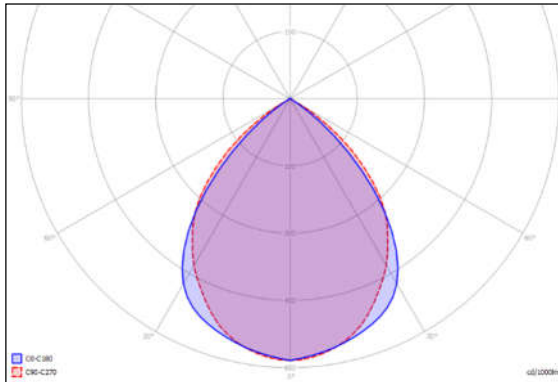
Steel sheet, white powder coated finish

Optical system:

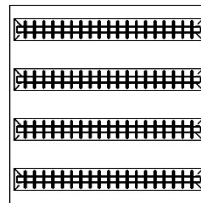
Double-parabolic micro-optics made of bright aluminium with high reflection coefficient (UGR < 19)



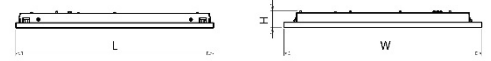
TECHNICAL DATA



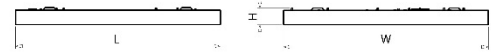
Light distribution curve



Recessed model

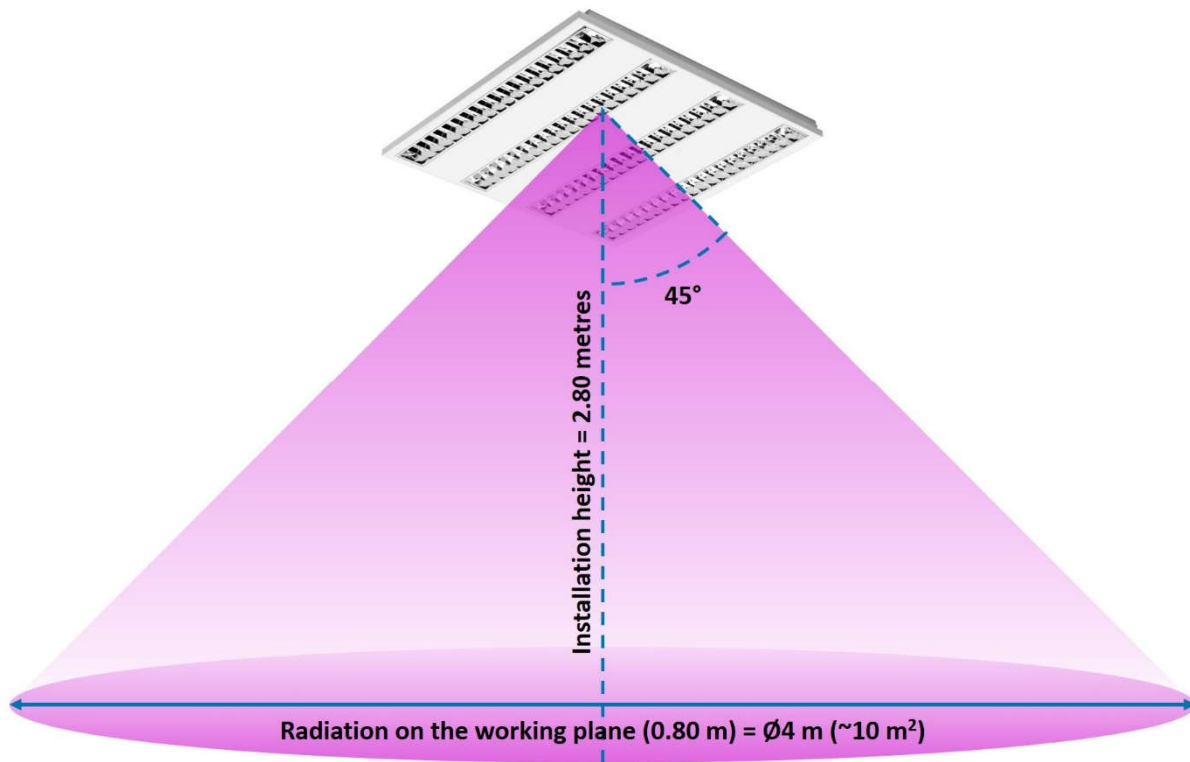


Surface mounted model



| Dimensions (mm) | L | W | H |
|-----------------------|---------|---------|----|
| Recessed model | 596/625 | 596/625 | 44 |
| Surface mounted model | 600 | 600 | 44 |

APPLICATION



| Typical surface exposed | Number of luminaires installed | ... including luminaire(s) OPTIMO UV-C LEDIZ® | Exposure time* for 99.99% disinfection |
|-------------------------|--------------------------------|---|--|
| 10 m ² | 4 | 1 | ~ 53 minutes |
| 25 m ² | 6 | 2 to 3 | ~ 55 to 37 minutes |
| 100 m ² | 25 | 10 to 15 | ~ 45 to 30 minutes |

Thanks to the UV-C LEDIZ® technology integrated in our OPTIMO UVC luminaire, an emission of 1 W makes it possible to disinfect an exposed surface of 10 m² in 53 minutes*.

* Estimated time based on research studies related to coronaviruses. Source: « 2020 COVID-19 Coronavirus Ultraviolet Susceptibility » by Wladyslaw J. Kowalsky, Thomas J. Walsh, Vidmantas Petraitis.