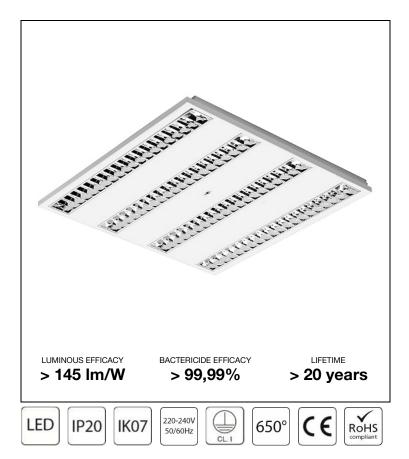


DATASHEET







# **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  $\ensuremath{\mathbb{B}}$  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)  $\,$ 





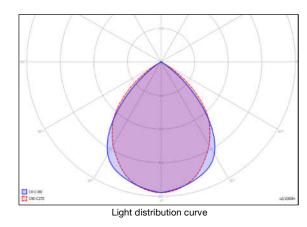
DATASHEET



SYNDICAT DE L'ÉCLAIRAGE 14001 ialité nnement Auvergne-Rhône-Alpes

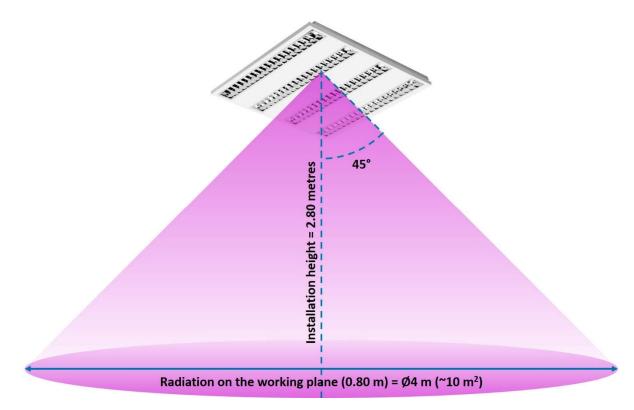
00

# **TECHNICAL DATA**



	Recessed mo	odel <u>→ ਛ</u> ੇ	I I I I I I I I I I I I I I I I I I I	W E	
	Surface mounted model				
	μ	·	I	W c.	
Dimensions (mm)		L	w	н	
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 <sup>2</sup>	4	1	~ 53 minutes
25 m <sup>2</sup>	6	2 to 3	~ 55 to 37 minutes
100 m <sup>2</sup>	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 m<sup>2</sup> 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.

© DIETAL. All rights reserved. Pictures, drawings and technical data are provided for general information purposes only. In a continuous effort to improve its products, DIETAL reserves the right to modify without prior notice their specifications and documentations. UGR values are provided for a reference situation with room dimensions of 4H/8H, distance between luminaires of 0.25H and degrees of reflectance of 0.7/0.5/0.2. Tolerances on lumen output and wattage values: +/- 10%. Useful lifetime @Ta = 25°C.