# OCULUS LED 16450LM 840 IP66 I CL. 75D SP10KV 101W

DETAILED CARD



## TECHNICAL PARAMETERS

| | |
|---|---|
| **Index:** | 963315 |
| **Nominal power [W]:** | 101 |
| **Luminous flux [lm]*:** | 16450 |
| **Colour temperature [K]:** | 4000 |
| **Electrical protection class:** | I |
| **Energy efficiency class:** | C |
| **Material of the body:** | powder coated aluminium |
| **Diffuser material:** | PC |
| **Beam angle [°]:** | 75 |
| **Working temperature [°C]:** | od -30 do +60 |

## CHARACTERISTICS

OCULUS LED is a HIGH-BAY luminaire from the NEXT GEN product line, constituting a new generation of luminaires dedicated to LED technology. The designed-from-scratch body – made of die-cast aluminium and powder coated – uses natural conduction and convection processes, which have a positive effect on luminaire's heat management. The shape of the body with an integrated, effective heat sink and high-quality materials ensure maximum heat dissipation from the LED module. The driver's external compartment, separated from the body, guarantees optimal thermal working conditions for the power supply system. This enables the luminaire to work in an ambient temperature of max 60°C. LEDs from a reputable manufacturer and new LED modules enable very high luminous efficiency: max 176 lm/W. This guarantees that the required lighting level and significant energy savings are achieved. The diffuser and optical system are composed of precise linear lenses made of polycarbonate (PC). There are 3 dedicated ranges of light distribution available: 55°, 75°, 105°. GLASS version with tempered glass (without lenses) and 105° distribution is also available.
Standard equipped with a 0.3 m long H07RN-F cable terminated with an additional male and female connector, which makes the assembly easier and more convenient.
Available version with radio motion sensor:
- allowing additional savings in electricity consumption
- convenient change of parameters by remote control (to be purchased separately).
Its design is adapted for suspended mounting and surface mounting (ceiling and wall) requiring the use of additional accessories.

## APPLICATION

The luminaire is intended for suspended mounting (using chains, wires, etc.) both indoors and outdoors. It will prove perfect for manufacturing plants and halls as well as large-format warehouses and logistics centres.

# OCULUS LED 16450LM 840 IP66 I CL. 75D SP10KV 101W

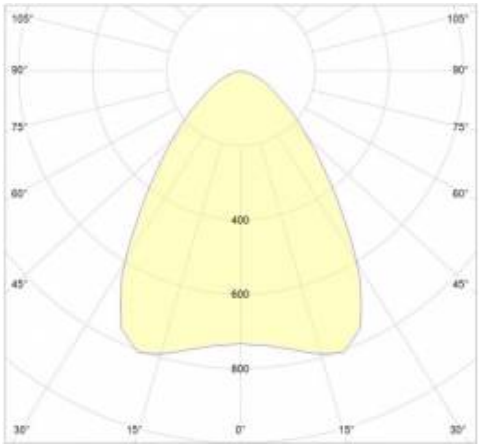
DETAILED CARD

## TECHNICAL PARAMETERS TABLE

| | |
|---|---|
| **Index:** | 963315 |
| **EAN:** | 5905963963315 |
| **Light source:** | LED module |
| **Nominal power [W]:** | 101 |
| **Rated power of the luminaire [W]:** | 106 |
| **Supply voltage [V]:** | 220-240 |
| **Frequency [Hz]:** | 50-60 |
| **Luminous flux [lm]:** | 16450 |
| **Luminous efficacy [lm/W]:** | 155 |
| **Energy efficiency class:** | C |
| **Electrical protection class:** | I |
| **Colour temperature [K]:** | 4000 |
| **Color rendering index (Ra) >:** | 80 |
| **SDCM:** | 3 |
| **Power factor:** | 0.98 |
| **Beam angle [°]:** | 75 |
| **Surge protection [kV]:** | 4 |
| **Diffuser material:** | PC |
| **Diffuser type:** | transparent |
| **Diffuser colour:** | transparent |
| **Optics material:** | PC |
| **Optics:** | lens |
| **Material of the body:** | powder coated aluminium |
| **Colour of the body:** | grey |
| **Dimensions (H/W/T/S) [mm]:** | 125/371 |
| **Impact resistance:** | IK09 |

| | |
|---|---|
| **Ingress protection:** | IP66 |
| **Mounting version:** | suspended |
| **Working temperature [°C]:** | od -30 do +60 |
| **DIMM DALI:** | yes |
| **The number of implement units:** | 1 |
| **Cable length [m]:** | 0.30 |
| **Dimensions of single box [mm]:** | 135/372/372 |
| **Net weight [kg]:** | 3.430 |
| **Category type:** | high-bay and low-bay |
| **AC voltage range [V]:** | 198 - 264 |
| **DC voltage range [V]:** | 176 - 280 |
| **LED lifespan L70B50 [h]:** | 196000 |
| **LED lifespan L80B10 [h]:** | 123000 |
| **LED lifespan L90B10 [h]:** | 60000 |
| **Accessories included:** | Eye bolt |
| **Photobiological safety:** | Risk Group 1 (no photobiological hazard under normal behavioral limitation) |
| **ETIM class:** | EC001716 |
| **Warranty [years]:** | 5 |
| **ENEC Certificate:** | PL BBJ/005/2021/M1 |
| **CE certificate:** | 153/2023 |
| **PZH certificate:** | B-BK-60212-0481/21 |
| **HACCP:** | 852/2004 |
| **Environmental Product Declaration (EPD):** | 816/2025 |
| **Manual:** | Download PDF |
| **Plik LDT:** | Download |

## LIGHT CURVES



# OCULUS LED 16450LM 840 IP66 I CL. 75D SP10KV 101W

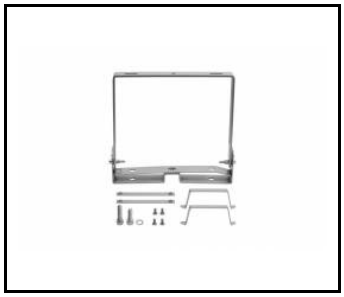
DETAILED CARD

## ACCESSORIES AVAILABLE

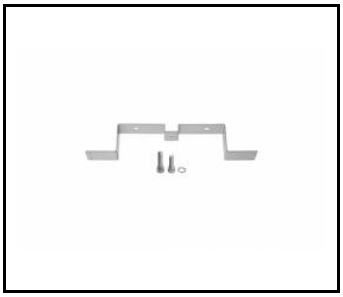
| index | Name |
|---|---|
| 964244 | OCULUS LED - RCR motion sensor |
| 964886 | OCULUS LED - universal handle-lack of compatibility with Dali version 294W |
| 964893 | OCULUS LED - surface mounting handle-lack of compatibility with Dali version 294W |
| 964862 | OCULUS LED - protective grid |
| 963674 | OCULUS LED - RCR / PIR DALI motion sensor |
| WSEL438 | Remote control for motion sensor HD01R |
| WSEL415 | WSEL415 Remote control for - PIR sensor |



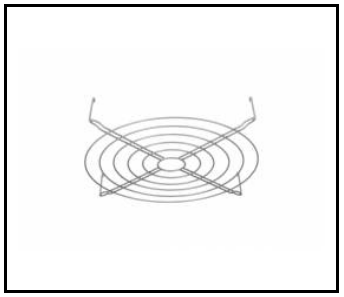
OCULUS LED - RCR motion sensor (964244)



OCULUS LED - universal handle-lack of compatibility with Dali version 294W (964886)



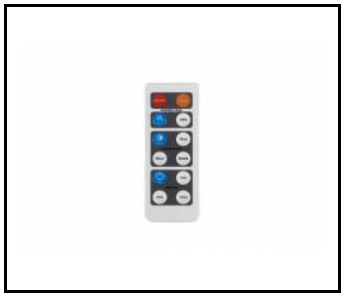
OCULUS LED - surface mounting handle-lack of compatibility with Dali version 294W (964893)



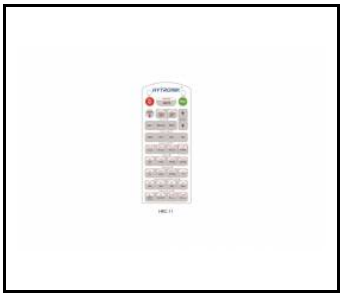
OCULUS LED - protective grid (964862)



OCULUS LED - RCR / PIR DALI motion sensor (963674)



Remote control for motion sensor HD01R (WSEL438)



WSEL415 Remote control for - PIR sensor (WSEL415)

Card creation date: 10 July 2025

The company reserves the right to make design changes or upgrades in the presented product. Product data sheet does not constitute an offer. * Parameter tolerance is +/- 10%

This product is a subject to electric andelectronic waste equipment regulations (WEEE).

Certificate CE - Nr: 153/2023

LENA LIGHTING

Lena Lighting S.A.
ul. Kórnicka 52, 63-000 Środa Wielkopolska
tel. +48 61 28 60 333 (Pn-Pt, 8-16), e-mail: hello@lenalighting.pl, www.lenalighting.pl