OCULUS LED UGR 15900LM 840 IP66 I CL. SP10KV 109W

DETAILED CARD



TECHNICAL PARAMETERS

Ingress protection:	IP66
Impact resistance:	IK09
Rated power of the luminaire [W]*:	109
Luminous flux [lm]*:	15900
Colour temperature [K]:	4000
Color rendering index (Ra) >:	80
SDCM:	3
Electrical protection class:	I
Material of the body:	powder coated aluminium
Colour of the body:	grey

CHARACTERISTICS

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 the 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 at an ambient temperature of max 60°C. LEDs from a reputable manufacturer and new LED modules enable very high luminous efficiency. This guarantees that the required lighting level and significant energy savings are achieved. The diffuser and optical system are composed of precise lenses made of polycarbonate (PC). 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. Its design is adapted for suspended mounting and surface mounting (ceiling and wall) requiring the use of additional accessories.
A UGR (Unified Glare Rating) of less than 19 minimizes the effect of glare affecting well-being, reducing fatigue and fewer mistakes.

APPLICATION

The luminaire is designed for suspended mounting using chains, ropes, etc. and with the use of additional accessories also surface-mounted (ceiling and wall) indoors. It works perfectly in factories and production halls as well as large-scale warehouses and logistics centers.

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TECHNICAL PARAMETERS TABLE

Index:	561221
Rated power of the luminaire [W]:	109
Luminous flux [lm]:	15900
Supply voltage [V]:	220 - 240
Frequency [Hz]:	50 - 60
Luminous efficacy [lm/W]:	146
Energy efficiency class:	C
Electrical protection class:	I
Colour temperature [K]:	4000
Color rendering index (Ra) >:	80
SDCM:	3
Power factor:	0.98
LED lifespan L70B50 [h]:	196000
LED lifespan L80B10 [h]:	123000
LED lifespan L90B10 [h]:	60000
Beam angle [°]:	55
Surge protection [kV]:	4
Diffuser material:	PC
Diffuser type:	transparent

Optics material:	PC
Optics:	lens
Material of the body:	powder coated aluminium
Colour of the body:	grey
Dimensions (H/W/T/S) [mm]:	106/371
Impact resistance:	IK09
Ingress protection:	IP66
Mounting version:	surface, suspended
Working temperature [°C]:	from -25 to +60
Cable length [m]:	0.30
Net weight [kg]:	3.420
Photobiological safety:	Risk Group 1 (no photobiological hazard under normal behavioral limitation)
Warranty [years]:	5
CE certificate:	154/2023
PZH certificate:	B-BK-60212-0481/21
HACCP:	852/2004
Environmental Product Declaration (EPD):	816/2025
Manual:	Download PDF
Plik LDT:	Download

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DETAILED CARD

ACCESSORIES AVAILABLE

index	Name
964244	OCULUS LED - RCR motion sensor
963674	OCULUS LED - RCR / PIR DALI motion sensor



OCULUS LED - RCR motion sensor (964244)



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

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: 154/2023

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