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
Colour rendering index:	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.

LENA LIGHTING

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

DETAILED CARD

TECHNICAL PARAMETERS TABLE

Index:	561221	Optics material:	PC
Rated power of the luminaire [W]:	109	Optics:	lens
Luminous flux [lm]:	15900	Material of the body:	powder coated aluminium
Supply voltage [V]:	220 - 240	Colour of the body:	grey
Frequency [Hz]:	50 - 60	Dimensions (H/W/T/S) [mm]:	106/371
Luminous efficacy [lm/W]:	146	Impact resistance:	IK09
Energy efficiency class:	C	Ingress protection:	IP66
Electrical protection class:	I	Mounting version:	surface, suspended
Colour temperature [K]:	4000	Working temperature [°C]:	from -25 to +60
Colour rendering index:	80	Cable length [m]:	0.30
SDCM:	≤ 3	Net weight [kg]:	3.420
Power factor:	0.98	Photobiological safety:	Risk Group 1 (no photobiological hazard under normal behavioral limitation)
LED lifespan L70B50 [h]:	196000	Warranty [years]:	5
LED lifespan L80B20 [h]:	123000	CE certificate:	154/2023
LED lifespan L90B10 [h]:	60000	PZH certificate:	B-BK-60212-0481/21
Beam angle [°]:	55	HACCP:	852/2004
Surge protection [kV]:	4	Environmental Product Declaration (EPD):	816/2025
Diffuser material:	PC	Manual:	Download PDF
Diffuser type:	transparent	Plik LDT:	Download

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

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)

Certificate CE - Nr: 154/2023