

# OCULUS LED 12850LM 840 IP23 I KL. AW 3H 75D SP10KV 72W

## DETAILED CARD



## TECHNICAL PARAMETERS

Index:	964381
Nominal power [W]:	72
Luminous flux [lm]*:	12850
Colour temperature [K]:	4000
Electrical protection class:	I
Energy efficiency class:	B
Material of the body:	powder coated aluminium
Diffuser material:	PC
Beam angle [°]:	75
Working temperature [°C]:	from 0 to +25

## 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.

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### TECHNICAL PARAMETERS TABLE

Index:	964381	The number of implement units:	1
Light source:	LED module	Cable length [m]:	0.30
Nominal power [W]:	72	Dimensions of single box [mm]:	175/400/400
Rated power of the luminaire [W]:	76	Net weight [kg]:	5.650
Supply voltage [V]:	220-240	Category type:	high-bay and low-bay
Frequency [Hz]:	50 - 60	AC voltage range [V]:	198-264
Luminous flux [lm]:	12850	DC voltage range [V]:	176-280
Luminous efficacy [lm/W]:	170	LED lifespan L70B50 [h]:	196000
Energy efficiency class:	B	LED lifespan L80B20 [h]:	123000
Electrical protection class:	I	LED lifespan L90B10 [h]:	60000
Colour temperature [K]:	4000	Accessories included:	Eye bolt
Colour rendering index:	80	Photobiological safety:	Risk Group 1 (no photobiological hazard under normal behavioral limitation)
SDCM:	≤ 3	Charging time [h:min]:	1
Power factor:	0.95	Battery life [h:min]:	3
Beam angle [°]:	75	Battery:	NiMH
Surge protection [kV]:	4	Battery capacity [mAh]:	4
Diffuser material:	PC	Emergency lighting [h]:	3
Diffuser type:	transparent	Autotest:	yes
Diffuser colour:	transparent	Operating mode:	M
Optics material:	PC	ETIM class:	EC001716
Optics:	lens	Warranty [years]:	2 / 0.5 (bateria)
Material of the body:	powder coated aluminium	ENEC Certificate:	<a href="#">PL BBJ/005/2021/M1</a>
Colour of the body:	grey	CE certificate:	<a href="#">153/2023</a>
Dimensions (H/W/T/S) [mm]:	595/371	PZH certificate:	<a href="#">B-BK-60212-0481/21</a>
Impact resistance:	IK09	HACCP:	<a href="#">852/2004</a>
Ingress protection:	IP23	Environmental Product Declaration (EPD):	<a href="#">816/2025</a>
Mounting version:	suspended	Manual:	<a href="#">Download PDF</a>
Working temperature [°C]:	from 0 to +25		

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## 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)