### OCULUS LED 22250LM 840 IP66 I CL. 75D SP10KV 141W

**DETAILED CARD** 





### **TECHNICAL PARAMETERS**

Index: 963346

Nominal power [W]: 141

Luminous flux [lm]\*: 22250

Colour temperature [K]: 4000

Electrical protection class:

Energy efficiency class: C

Material of the body: powder coated aluminium

**Diffuser material:** PC

Beam angle [°]: 75

Working temperature [°C]: from -25 to +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.



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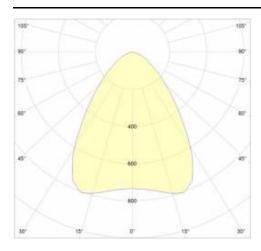
**DETAILED CARD** 

### **TECHNICAL PARAMETERS TABLE**

Index:   963346		
Light source:  Nominal power [W]:  Rated power of the luminaire [W]:  Supply voltage [V]:  Frequency [Hz]:  Luminous fliux [Im]:  Luminous efficacy [Im/W]:  Energy efficiency class:  Colour temperature [K]:  Colour temperature [K]:  Colour rendering index:  SDCM:  SDCM:  Surge protection [kV]:  Diffuser material:  Diffuser type:  Diffuser colour:  Optics:  Material of the body:  Dimensions (H/W/T/S) [mm]:  148  141  141  141  141  141  148  220-240  50-60  22250  Luminous efficacy [Im/W]:  4000  C  C  C  C  C  Electrical protection class:  I  C  C  C  Electrical protection class:  I  COlour temperature [K]:  4000  53  64  75  54  75  54  75  54  75  54  75  54  75  54  75  Surge protection [kV]:  PC  Diffuser colour:  Optics material:  PC  Optics:  lens  Material of the body:  Colour of the body:  Dimensions (H/W/T/S) [mm]:  125/371	Index:	963346
Nominal power [W]:  Rated power of the luminaire [W]:  Supply voltage [V]:  Frequency [Hz]:  Luminous flux [Im]:  Luminous efficacy [Im/W]:  Energy efficiency class:  Colour temperature [K]:  Colour rendering index:  SDCM:  Power factor:  Surge protection [kV]:  Diffuser material:  Diffuser type:  Diffuser colour:  Optics:  Material of the body:  Dimensions (H/W/T/S) [mm]:  148  148  148  148  148  148  220-240  50-60  240  240  250  400  COlour	EAN:	5905963963346
Rated power of the luminaire [W]:  Supply voltage [V]:  Frequency [Hz]:  Luminous flux [Im]:  Luminous efficacy [Im/W]:  Energy efficiency class:  C  Electrical protection class:  Colour temperature [K]:  Colour rendering index:  SDCM:  Power factor:  Beam angle [°]:  Surge protection [kV]:  Diffuser material:  Diffuser type:  Diffuser colour:  Optics material:  PC  Optics:  Material of the body:  Dimensions (H/W/T/S) [mm]:  150  22250  240  220-240  220-240  220-240  240	Light source:	LED module
Supply voltage [V]:         220-240           Frequency [Hz]:         50-60           Luminous flux [Im]:         22250           Luminous efficacy [Im/W]:         150           Energy efficiency class:         C           Electrical protection class:         I           Colour temperature [K]:         4000           Colour rendering index:         80           SDCM:         ≤ 3           Power factor:         0.99           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	Nominal power [W]:	141
Frequency [Hz]:  Luminous flux [lm]:  22250  Luminous efficacy [lm/W]:  Energy efficiency class:  C  Electrical protection class:  Colour temperature [K]:  Colour rendering index:  SDCM:  Power factor:  Beam angle [°]:  Surge protection [kV]:  Diffuser material:  Diffuser type:  Diffuser colour:  Optics material:  PC  Optics:  Material of the body:  Dimensions (H/W/T/S) [mm]:  150  C  22250  150  22250  150  C  C  C  C  C  Electrical protection [w]:  4000  S0  S0  S0  S0  SO  SO  SO  SO  SO	Rated power of the luminaire [W]:	148
Luminous flux [Im]:         22250           Luminous efficacy [Im/W]:         150           Energy efficiency class:         C           Electrical protection class:         I           Colour temperature [K]:         4000           Colour rendering index:         80           SDCM:         ≤ 3           Power factor:         0.99           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	Supply voltage [V]:	220-240
Luminous efficacy [Im/W]:  Energy efficiency class:  C  Electrical protection class:  Colour temperature [K]:  Colour rendering index:  80  SDCM:  SDCM:  SDCM:  Surge protection [kV]:  Diffuser material:  Diffuser type:  Diffuser type:  Diffuser colour:  Coptics:  Material of the body:  Dimensions (H/W/T/S) [mm]:  10  CC  CC  CC  CC  CC  CC  CC  CC  CC	Frequency [Hz]:	50-60
Energy efficiency class:  Electrical protection class:  Colour temperature [K]:  Colour rendering index:  80  SDCM:  SDCM:  Source factor:  Beam angle [°]:  Surge protection [kV]:  Diffuser material:  Diffuser type:  Diffuser colour:  Coptics material:  PC  Optics:  Material of the body:  Dimensions (H/W/T/S) [mm]:  Colour definition of the body:  Dimensions (H/W/T/S) [mm]:  Colour of the body:  Dimensions (H/W/T/S) [mm]:	Luminous flux [lm]:	22250
Electrical protection class:  Colour temperature [K]:  4000  Colour rendering index:  80  SDCM:  SDCM:  Power factor:  0.99  Beam angle [°]:  5urge protection [kV]:  Diffuser material:  PC  Diffuser type:  transparent  Diffuser colour:  Optics material:  PC  Optics:  Material of the body:  Colour of the body:  Dimensions (H/W/T/S) [mm]:	Luminous efficacy [lm/W]:	150
Colour temperature [K]:         4000           Colour rendering index:         80           SDCM:         ≤ 3           Power factor:         0.99           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	Energy efficiency class:	С
Colour rendering index: 80  SDCM: ≤ 3  Power factor: 0.99  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	Electrical protection class:	1
SDCM:   Power factor: 0.99  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	Colour temperature [K]:	4000
Power factor:  Beam angle [°]:  5 Surge protection [kV]:  Diffuser material:  PC  Diffuser type:  Diffuser colour:  Optics material:  PC  Optics:  Iens  Material of the body:  Colour of the body:  Dimensions (H/W/T/S) [mm]:  125/371	Colour rendering index:	80
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	SDCM:	≤3
Surge protection [kV]:  Diffuser material:  PC  Diffuser type:  Diffuser colour:  Optics material:  PC  Optics:  lens  Material of the body:  Colour of the body:  Dimensions (H/W/T/S) [mm]:  4  PC  transparent  PC  powder coated aluminium  grey  Dimensions (H/W/T/S) [mm]:  125/371	Power factor:	0.99
Diffuser material:  Diffuser type:  transparent  Diffuser colour:  Optics material:  Optics:  Iens  Material of the body:  Colour of the body:  Dimensions (H/W/T/S) [mm]:  PC  powder coated aluminium  grey  Dimensions (H/W/T/S) [mm]:  125/371	Beam angle [°]:	75
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	Surge protection [kV]:	4
Diffuser colour:  Optics material:  Optics:  Iens  Material of the body:  Colour of the body:  Dimensions (H/W/T/S) [mm]:  transparent  PC  powder coated aluminium  grey  125/371	Diffuser material:	PC
Optics material:  Optics:  lens  Material of the body:  Colour of the body:  Dimensions (H/W/T/S) [mm]:  PC  powder coated aluminium  grey  125/371	Diffuser type:	transparent
Optics: lens  Material of the body: powder coated aluminium  Colour of the body: grey  Dimensions (H/W/T/S) [mm]: 125/371	Diffuser colour:	transparent
Material of the body: powder coated aluminium  Colour of the body: grey  Dimensions (H/W/T/S) [mm]: 125/371	Optics material:	PC
Colour of the body: grey Dimensions (H/W/T/S) [mm]: 125/371	Optics:	lens
Dimensions (H/W/T/S) [mm]: 125/371	Material of the body:	powder coated aluminium
	Colour of the body:	grey
Impact resistance: IK09	Dimensions (H/W/T/S) [mm]:	125/371
	Impact resistance:	IK09

Ingress protection:	IP66
Mounting version:	suspended
Working temperature [°C]:	from -25 to +60
DIMM DALI:	yes
The number of implement units:	2
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 L80B20 [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):	<u>816/2025</u>
Manual:	Download PDF
Plik LDT:	Download

### **LIGHT CURVES**





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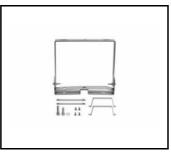
**DETAILED CARD** 

### **ACCESSORIES AVAILABLE**

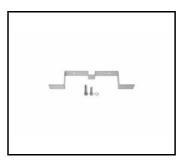
index	Name
964244	OCULUS LED - RCR motion sensor
964886	OCULUS LED - universal handle-lack of compatibility with Dali version 294W
964893	OCULUS LED - surface mounting handle-lack of compatibility with Dali version 294W
964862	OCULUS LED - protective grid
963674	OCULUS LED - RCR / PIR DALI motion sensor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



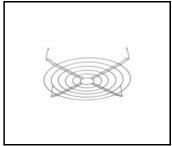
OCULUS LED - RCR motion sensor (964244)



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%

