



## LED D luminaire

modern and efficient interior LED luminaire for industrial, warehouse and sale halls lighting

D system lamp dedicated to the SKYLIGHT was created in collaboration with Siled company.

### Interior luminaire LED D

Robust and inexpensive to maintain, energy-efficient luminaire, designed for mounting at high altitudes. The LED D luminaire uses LEDs Luxeon M or TX type with individual optics. LEDs are cooled by means of Coolit, an innovative system of heat dissipation. The luminaire can be equipped with the wireless controller of the SkyLight lighting control system.



PARAMETERS *	D (2xPM3)	D (2xP24T)	D (2xPM6)	D (2xPM9)
The maximum power rating of the luminaire**	48 W	104 W	104 W	154 W
Beam from the luminaire***	5 700 lm	11 530 lm	11 200 lm	16 600 lm
Number of LEDs	6	48	12	18
LED type	Luxeon M	Luxeon TX	Luxeon M	Luxeon M
Suggested installation height	up 8 m	5-10 m	5-10 m	8-10 m
Weight	3,7 kg			
Dimensions	415 x 325 x 89 mm			
Input voltage	230V - 50Hz			
Power Factor	≥ 0,97			
Colour Rendering Index	≥ 70 ****			
Coolit cooling system	Smooth convection heat sink (patent claim)			
Ambient temperature	-30°C - +45°C			
Lamp life time	60,000 h (stream decrease 10%) 100. 000 h (stream decrease 30%)			
Mounting System	On slings			
Electric protection class	II			
Protection degree	IP 66			
Impact resistance	IK 08			

\* All data presented in the table refer to the complete luminaire.

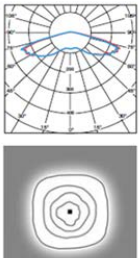
\*\* Rated power of the luminaire can be set in the factory with an accuracy of up to 1 W in the range of 10-100% of maximum power.

\*\*\* In connection with development of technology - increase the efficiency of the applied LEDs, the current light beams may be higher than shown in this table.

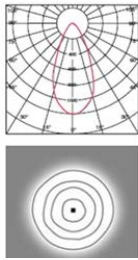
\*\*\*\* On request a higher value.

## LIGHT DISTRIBUTION CHARACTERISTICS\*\*\*\*

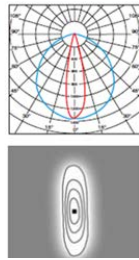
General lighting



High storage



Lines of communication



\*\*\*\* Light distribution characteristics for standard power and optics. It is possible to achieve different designs tailored to customer needs.

## Application

- warehouses and cold stores
- manufacturing halls
- shopping centres and garages



## Materials and finishes

- body made of anodised aluminium
- LED lenses made of polymethyl methacrylate (PMMA), free from bisphenols
- LED panels cover made of tempered glass

## Properties

- modern and decorative LED luminaire with high power of the light beam
- high-performance of luminaires over 100 lm/W
- built-in motion and light sensor of the SkyLight controller allow maximal reduction in energy consumption
- excellent alternative for 250/400 W solutions - up to 90% energy savings
- five different optical systems, from high-bay with 50° light distribution to a wide beam of 150° or asymmetrical dedicated to high-bay warehouses
- specially developed heat sink provides excellent cooling, at the same time decorative and modern design of the luminaire
- design ensuring IP66 and IK08 resistance
- power supply with 1-10V input as a standard

## SkyLight lighting management system

SkyLight is a remote lighting control system for halls and other industrial facilities. SkyLight system is made of intelligent LED luminaires connected wirelessly to a central computer. Such solution gives the facility staff the opportunity to set the lighting operation so that the lights work only in places where it is needed and only when needed. This leads to a reduction in energy consumption and costs related thereto, and also improves comfort of work. SkyLight collects important information about operation of the system and provides up to date information on key parameters: power consumption, energy consumption and lighting modes. SkyLight system controller with micro controller is installed inside the luminaire and contains:

- light sensor
- motion sensor
- temperature sensor that prevents the luminaire from overheating
- 1-10 V output for controlling the luminaire
- communication system with the managing computer, operating in the 2.4 GHz range

