

energy-efficient LED lighting



## LED DX luminaire

efficient power luminaire,  
intended for high halls  
where necessary

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

### Interior luminaire LED DX

In the luminaire an efficient FluxAdjust system was used, which may be equipped with 24 or 36 LEDs Luxeon M type with individual lenses suited to the solution. The lamp is cooled with highly efficient heat removal system CoolLit. It has reliable switching power supply and high-quality electronics. The luminaire can be equipped with the wireless controller of the SkyLight lighting control system.



PARAMETERS *	DX (4xPM6)	DX (4xPM9)
The maximum rating power of the luminaire**	209 W	309 W
Beam from the luminaire***	22 400 lm	33 200 lm
Number of LEDs	24	36
Typ LED	Luxeon M	Luxeon M
Suggested mounting height	8-18 m	9-25 m
Weight		7,4 kg
Dimensions		415 x 645 x 80 mm
Output voltage		220V -240 VAC
Power Factor		≥ 0,97
Colour Rendering Index		≥ 70 ****
Cooling system	CoolLit - 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

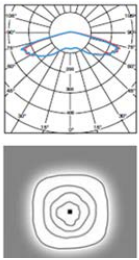
\*\* Rated power of the luminaire can be set in the factory with an accuracy of up to 1 W in the range of 10-100% of maximum power

\*\*\* 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

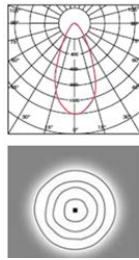
\*\*\*\* On request a higher value

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

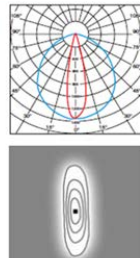
General lighting



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
- halls
- garages



## Materials and finishes

- body made of non-corrosive, anodised aluminium profile
- LED lenses made of organic glass (PMMA)
- 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 1-10 V 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

