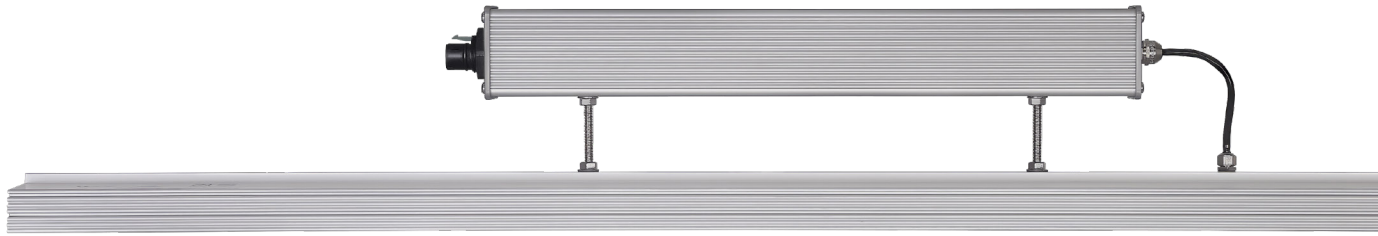


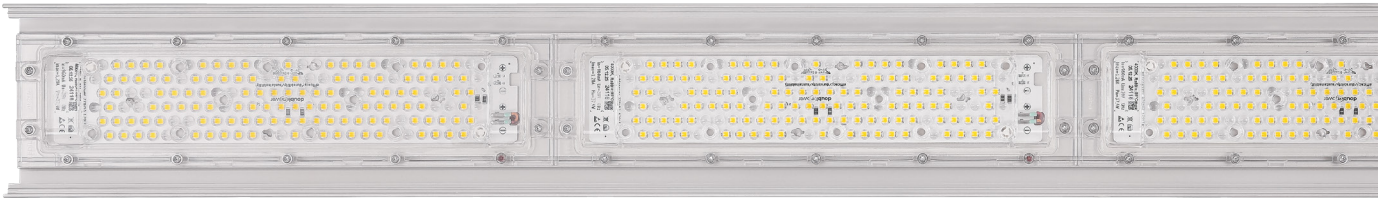
www.doublepower.cz

SKY Variable and modular industrial high-bay luminaire

Luminaire efficacy up to 191 lm/W
Mounting height: 6 – 30 meters
High modularity with the option
of combining optics in a single luminaire
100,000 hours lifetime (L80B10)
Warranty up to 10 years



Robust ribbed profile made of extruded aluminum



Version without and with cover glass

Modular design – modules can also be arranged side by side



Exceptional Modularity for Efficient Facility Lighting

doublepower SKY luminaires feature a modular system available in various power output options. Each module consists of an LED board and optics. Within a single luminaire, different optics types with distinct light distribution characteristics can be combined to achieve optimal light distribution. This allows the luminaire to easily adapt to the required illuminance, mounting height, and space layout. Furthermore, a flexible suspension system and IP68 connector simplify installation, reduce assembly and maintenance costs, and adapt smoothly to site conditions.

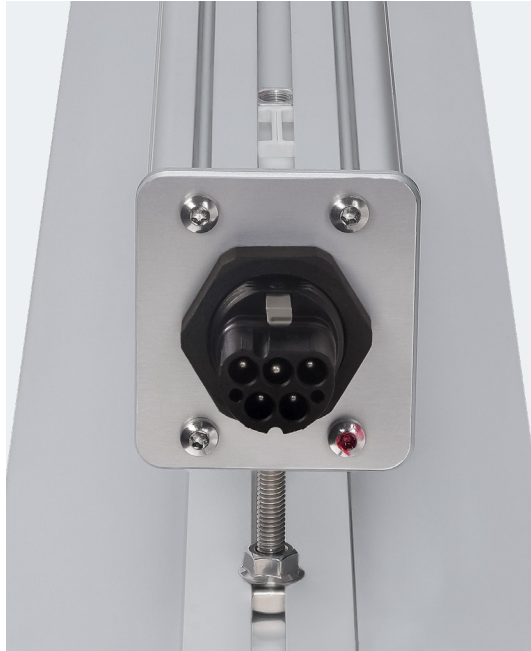
Thermal Management

The doublepower SKY luminaire, now in its 3rd generation, is engineered for reliable operation at ambient temperatures from -30°C to $+50^{\circ}\text{C}$. LED light sources and drivers are housed in separate compartments to minimize mutual thermal interference. Every part of the luminaire also functions as an efficient heat sink, ensuring all components operate under optimal thermal conditions, well below their maximum limits. The luminaire body is designed to dissipate heat effectively even in dusty environments. Emphasis is placed not only on sufficient surface area for heat dissipation, but also on thermal conduction paths that ensure rapid heat transfer and stable operation.

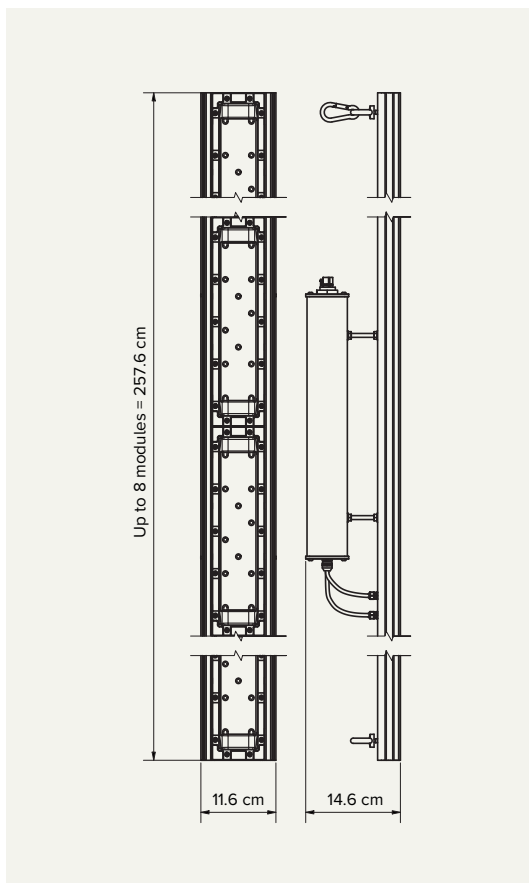
Optical System

doublepower SKY luminaires utilize highly durable LED optics from renowned manufacturers that maintain their optical properties long-term with minimal degradation. The light transmittance of the optics ranges between 92–96%. To reduce glare, a higher LED count is combined with larger-surface optics. The luminaire can also be equipped with cover glass. We use special low-iron tempered glass offering one of the highest light transmittance values on the market – 92%.

Connection via IP68 connector



Highly durable and efficient LED modules with low glare



Main characteristics

High modularity and versatility: multiple power output options, various module arrangements, and combinations of optics with different light distribution characteristics within a single luminaire

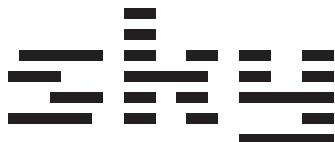
Luminaire efficacy: up to 191 lm/W
at Ta +50 °C

Highly efficient thermal management

Operating temperature range:
-30 °C to +50 °C

Ingress protection: IP65

Service life: L80B10 – 100,000 hours
at Ta +50 °C



Specification

	2 modules	3 modules	4 modules	5 modules	6 modules	7 modules	8 modules	9 modules	10 modules	12 modules	14 modules
Output	60 W	89 W	119 W	149 W	179 W	209 W	238 W	268 W	298 W	358 W	417 W
Luminous Flux of the Luminaire with 4,000 K	11,401 lm	17,101 lm	22,802 lm	28,502 lm	34,202 lm	39,903 lm	45,603 lm	51,304 lm	57,004 lm	68,405 lm	79,805 lm
Efficacy of the LED chip / luminaire	200 lm/W / 191 lm/W										
LED Light Source	Seoul Semiconductor										
Color Temperature	2,700 K – 6,500 K										
Lifespan of the Luminaire	L80B10 > 100,000 hours at Ta +50 °C										
Color Rendering Index (CRI)	Ra > 80 and Ra > 90										
Front cover	PMMA with optional 3 mm tempered borosilicate cover glass										
	High level of permeability, with minimal degradation										
Body	Robust Body from Anodized Aluminium, separate body for LED driver										
Protection rating	IP65										
Operating Temperatures	–30 °C ~ +50 °C										
Optical System	PMMA optics system with various light distribution characteristics depending on luminaire application, low glare factor										
Other	No stroboscopic effect with rotating machinery										
	Smooth DALI / DSI control, option to integrate into complex DALI / KNX control systems										
Manufacturer	doublepower!! s.r.o. Czech Republic										

Dimensions / cm

	2 modules	3 modules	4 modules	5 modules	6 modules	7 modules	8 modules	9 modules	10 modules	12 modules	14 modules
Length	64.4	96.6	128.8	161	193.2	225.4	257.6	289.8	322	390.4	458.6
Width	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
Height	13.8	13.8	13.8	13.8	14.6	14.6	14.6	14.6	15.5	15.5	15.5
– including hanging rings	18.4	18.4	18.4	18.4	14.6	14.6	14.6	14.6	15.5	15.5	15.5
– including hanging rings and snap-hook	23	23	23	23	14.6	14.6	14.6	14.6	15.5	15.5	15.5
Weight (with unplugged connector, without hanging rings)	2.5	3.2	4.1	5.4	6.5	7.4	8.7	9.5	11.3	13.2	15.1

Lighting Characteristics

