

LED line PRIME High Bay PHANTOM 190 200W 4000K 38000lm 1-10V 90° with microwave sensor



Quality meets performance

The Phantom MV luminaire series has as standard Sosen brand power supplies with a 1-10V dimming function working in conjunction with the Merrytek MC079D RC 2 microwave motion sensor, which accurately detects movement, automatically controlling the switching on, switching off and dimming of the luminaire. Thanks to twilight detection, the luminaire adapts the lighting level to the ambient conditions, responding to light from other sources such as skylights or other luminaires.

The luminaire operates efficiently in a temperature range of -30 to +45 °C. The IK08 mechanical resistance class makes the product resistant to an impact energy of 5J.

Robust and reliable in all conditions

Phantom LED line PRIME luminaires have been developed for places where the reliability of the product used is crucial. They will therefore prove their worth wherever the adverse effects of external factors require appropriate solutions and the possible replacement of luminaires is associated with high costs.

The aluminium housing of the luminaire has been designed to maximise the heat dissipation of the luminaire, while ensuring low product weight.

Phantom LED line PRIME luminaires, due to their robustness, are recommended for the lighting of sports and industrial facilities, warehouse halls, places with increased exposure to product damage caused by factors such as dust, humidity or conductive dust. In dust- and water-tightness tests, the luminaires achieved a result ranking them in the IP65 resistance class. As a result, they work seamlessly even in harsh environments, both indoors and outdoors.

Each luminaire comes with a metal bracket on which to hang the luminaire in a suitable location. The product comes with a 5-year guarantee.



Voltage range and voltage type



Ambient temperature suitable for operation



LED type



Beam angle



IK protection rating



Lifespan



LED quantity

Parameter

Value

Parameter

Value

Luminous efficacy	190 lm/W
Power	200 W
Energy efficiency class 2019/2015	B
Luminous flux	38000 lm
Correlated colour temperature	4000 K
Colour consistency in McAdam ellipses	≤6
Standby power	0
IP protection rating	65
Warranty (years)	5
Detecting Area (Radius)	1m/s: 25% - 3m /50% - 4m/ 75% - 7m/100% - 9m; 0,3m/s: 25% - 4m /50% - 6m/ 75% - 10m/100% - 13m
Dimmable function	Yes
Survival factor	0.9
Lifetime L70B50	100 000
Hold time	5 sek /30 sek/1 min/3 min/ 5min/10 min/20min/30 min
Stand-by dimming level	10% (1,4-1,6 V), 20% (1,9-2,1 V), 30% (2,9-3,1 V), 50% (4,9-5,1 V)
Supply voltage range and voltage type	100-277V AC
Frequency of the supply voltage	50/60Hz
Colour rendering index Ra	70
The lumen maintenance factor	96
Beam angle	90 °
Material (cover)	polycarbonate
Material (housing)	aluminum
LED type	SMD 2835
LED quantity	640

Power Factor	0,95
Number of on/off cycles	50000
Colour consistency in McAdam ellipses	≤6
Ambient temperature suitable for operation	-30 ÷ 45 °C °C
IEC protection class	I
IK protection rating	08
Full box quantity	1 pc
Lamp's warm-up time to 60%	1
Height	156 mm
Product weight with packaging (g)	3200 g
EPREL ID	1774 479
Date of first placement on the market	02.10.2024
Form of the product (EPREL)	Source&Glass
Angle for useful luminous flux (EPREL)	Sphere 360 degrees
Is the product equipped with an integrated light source? (EPREL)	Yes
Non-directional or directional light source (EPREL)	NDLS
Mains or non- mains light source (EPREL)	NMLS
Connected light source (EPREL)	No
Colour-tuneable light source (EPREL)	No
Total luminous flux (EPREL)	38 950
On-mode power Pon (EPREL)	190
Useful luminous flux Φuse (EPREL)	38 950
Beam angle in degrees (EPREL)	120

Single packaging



380
165
380
3,2
1

Bulk packaging



Europallet

