LED line

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

Phantom luminaires – innovative and energy-saving solutions

Phantom luminaires are a series of products available in three power variants – 100 W, 150 W and 200 W, and three different light distribution angles, adjustable with lenses – 60°, 90° and 120°. Thanks to the high light efficiency of 190 lm/W, these luminaires allow the use of lower-power variants in places where luminaires with higher energy consumption were previously necessary.

Advanced detection technology and energy savings

Phantom luminaires work with Merrytek MC079D RC2 sensors, which offer a number of advanced functions:

- **Two detection modes**: high sensitivity and interference immunity mode, making them ideal for environments with metal surfaces that reflect the signal.
- **Detection range**: up to 15 m mounting height with a detection angle of 360° (ceiling) or 150° (wall).
- **Dimming functions**: 0-10 V, with the possibility of setting 2- or 3-step dimming, which allows you to adjust the lighting level to the current conditions.
- **Daylight priority function**: automatic adjustment of the light intensity to the daylight level, which allows savings of up to 45%.
- **Resistance to difficult conditions**: possibility of working in the temperature range from -35°C to +45°C and IP65 protection class, which allows for installation in demanding environments.

Durability and safety of use

The high mechanical resistance class IK08 protects the luminaires against damage with energy up to 5 J, and the aluminum housing ensures effective heat dissipation. Additionally, the MC079D RC2 sensors are designed for long life - 5-year warranty.

Application

Thanks to their durability and flexible configuration options, Phantom luminaires are ideal for illuminating sports facilities, warehouses and industrial environments. Their resistance to conductive dust, moisture and dirt makes them a reliable solution in difficult conditions.

voltage 00~277V AC	Voltage range and voltage type	90 ° ○	Beam angle
MAX 30 ÷ 45 °	Ambient temperature suitable for operation	IK 08	IK protection rating
SMD 2835	LED type	100 000h L70B50	Lifespan
0 lm/W W		640	LED quantity

Parameter	Value	Parameter	Value
Luminous efficacy	190 lm/W	LED quantity	640

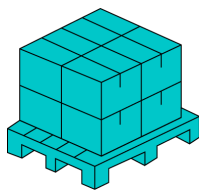|				
Power	200 W		Power Factor	0,95
Energy efficiency class 2019/2015	B		Number of on/off cycles	50000
Luminous flux	38000 lm		Colour consistency in McAdam ellipses	≤6
Correlated colour temperature	4000 K		Ambient temperature suitable for operation	-30 ÷ 45 °C
Colour consistency in McAdam ellipses	≤6		IEC protection class	I
Standby power	0		IK protection rating	08
IP protection rating	65		Full box quantity	1 pc
Warranty (years)	5		Lamp's warm-up time to 60%	1
Sensor type	MC079D RC2		Height	156 mm
Detecting Area (Radius)	1m/s: 25% - 3m /50% - 4m/ 75% - 7m/ 100% - 9m; 0,3m/s: 25% - 4m /50% - 6m/ 75% - 10m/ 100% - 13m		Product weight with packaging (g)	3200 g
			EPREL ID	1 774 479
			Date of first placement on the market	02.10.2024
Dimmable function	Yes		Form of the product (EPREL)	Source&Glass
Survival factor	0.9		Angle for useful luminous flux (EPREL)	Sphere 360 degrees
Lifetime L70B50	100 000		Is the product equipped with an integrated light source? (EPREL)	Yes
Hold time	5 sek /30 sek/1 min/3 min/ 5min/10 min/2 0min/30 min		Non-directional or directional light source (EPREL)	NDLS
			Mains or non- mains light source (EPREL)	NMLS
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)		Connected light source (EPREL)	No
			Colour-tuneable light source (EPREL)	No
Supply voltage range and voltage type	100~277V AC		Total luminous flux (EPREL)	38 950
Frequency of the supply voltage	50/60Hz		On-mode power Pon (EPREL)	190
Colour rendering index Ra	70		Useful luminous flux Φuse (EPREL)	38 950
The lumen maintenance factor	96 %		Beam angle in degrees (EPREL)	120
Beam angle	90 °			
Material (cover)	polycarbonate			
Material (housing)	aluminum			
LED type	SMD 2835			

Single packaging
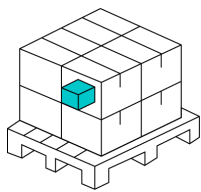
380
165
380
3,2
1

Bulk packaging
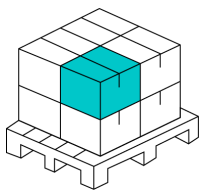
Outer box quantity

Europallet

1 pcs.