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LED line PRIME High Bay PHANTOM 190 200W 4000K 38000lm 1-10V 60° with MC079D RC2 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.

A Merrytek MH10 remote controller is required to set the sensor operation.

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.



Beam angle



Ambient temperature suitable for operation



Lifespan



Voltage range and voltage type



LED type



LED quantity

Parameter	Value
Luminous efficacy	190 lm/W

Parameter	Value
Power Factor	0,95

Power	200 W	Number of on/off cycles	50000
Colour of the light	White	Colour consistency in McAdam ellipses	≤6
Energy efficiency class 2019/2015	B	Ambient temperature suitable for operation	-30÷45 °C
Luminous flux	38000 lm	For indoor and outdoor use	YES
Correlated colour temperature	4000 K	IEC protection class	I
Colour consistency in McAdam ellipses	≤6	Full box quantity	1 pc
Standby power	0	Lamp's warm-up time to 60%	1
IP protection rating	65	Height	156 mm
Warranty (years)	5	Product weight with packaging	3200 g
Sensor type	MC079D RC2	EPREL ID	1 774 479
Dimmable function	1-10	Date of first placement on the market	01.12.2023
Survival factor	0.9	Form of the product (EPREL)	Source&Glass
Lifetime L70B50	100 000	Angle for useful luminous flux (EPREL)	Sphere 360 degrees
Supply voltage range and voltage type	100~277 VAC	Is the product equipped with an integrated light source? (EPREL)	Yes
Frequency of the supply voltage	50/60Hz	Non-directional or directional light source (EPREL)	NDLS
Colour rendering index Ra	70	Mains or non- mains light source (EPREL)	NMLS
The lumen maintenance factor	96 %	Connected light source (EPREL)	No
Beam angle	60 °	Colour-tuneable light source (EPREL)	No
Sensor type	Microwave	Total luminous flux (EPREL)	38 950
Material (cover)	polycarbonate	On-mode power Pon (EPREL)	190
Material (housing)	aluminum	Useful luminous flux Φuse (EPREL)	38 950
LED type	SMD 2835	Beam angle in degrees (EPREL)	120
LED quantity	640		

Single packaging



Width 380 mm
Height 165 mm
Length 380 mm
Weight 3,2 kg
1

Bulk packaging



Outer box quantity

1 pcs.

Europallet

