



code: 207059 EAN: 5905378207059

LED line PRIME HighBay PHANTOM 190 150W 4000K 28500lm 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
LED quantity	480

Power	150 W	Power Factor	0,95
Colour of the light	White	Number of on/off cycles	50000
Energy efficiency class 2019/2015	B	Colour consistency in McAdam ellipses	≤6
Luminous flux	28500 lm	Ambient temperature suitable for operation	-30÷45 °C
Correlated colour temperature	4000 K	For indoor and outdoor use	YES
Colour consistency in McAdam ellipses	≤6	IEC protection class	I
Standby power	0	Full box quantity	1 pc
IP protection rating	65	Lamp's warm-up time to 60%	1
Warranty (years)	5	Height	154 mm
Sensor type	MC079D RC2	Product weight with packaging	2600 g
Dimmable function	1-10	EPREL ID	1774 480
Survival factor	0.9	Date of first placement on the market	01.12.2023
Lifetime L70B50	100 000	Form of the product (EPREL)	Source&Glass
Supply voltage range and voltage type	100~277 VAC	Angle for useful luminous flux (EPREL)	Sphere 360 degrees
Frequency of the supply voltage	50/60Hz	Is the product equipped with an integrated light source? (EPREL)	Yes
Colour rendering index Ra	70	Non-directional or directional light source (EPREL)	NDLS
The lumen maintenance factor	96 %	Mains or non- mains light source (EPREL)	NMLS
Lamp's diameter	290	Connected light source (EPREL)	No
Beam angle	60 °	Colour-tuneable light source (EPREL)	No
Sensor type	Microwave	Total luminous flux (EPREL)	29 212.5
Material (cover)	polycarbonate	On-mode power Pon (EPREL)	142.5
Material (housing)	aluminum	Useful luminous flux Φuse (EPREL)	29 212.5
LED type	SMD 2835	Beam angle in degrees (EPREL)	120

Single packaging



Width 350 mm
Height 160 mm
Length 350 mm
Weight 2,6 kg
1

Bulk packaging



Outer box quantity

1 pcs.

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