

code: 207011 EAN: 5905378207011

LED line PRIME High Bay PHANTOM 190 100W 4000K 19000lm 1-10V 90° 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 Im/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.

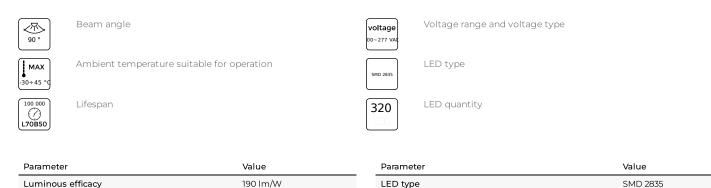
A Merrytek MH10 remote controler is required to set the sensor operation.

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.



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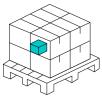
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Power	100 W	LED quantity	320
Colour of the light	White	Power Factor	0,95
Energy efficiency class 2019/2015	В	Number of on/off cycles	50000
Luminous flux	19000 lm	Colour consistency in McAdam ellipses	≤6
Correlated colour temperature	4000 K	Ambient temperature suitable for operation	-30÷45 °C
Colour consistency in McAdam ellipses	≤6	For indoor and outdoor use	YES
Standby power	0	IEC protection class	I
IP protection rating	65	Full box quantity	lpc
Warranty (years)	5	Lamp's warm-up time to 60%	1
Sensor type	MC079D RC2	Height	152 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	2100 g
		EPREL ID	1 774 481
		Date of first placement on the market	02.10.2024
Dimmable function	1-10	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	100~277 VAC	Total luminous flux (EPREL)	19 475
Frequency of the supply voltage	50/60Hz	On-mode power Pon (EPREL)	95
Colour rendering index Ra	70	Useful luminous flux Фuse (EPREL)	19 475
The lumen maintenance factor	96 %	Beam angle in degrees (EPREL)	120
Lamp's diameter	250		
Beam angle	90 °		
Sensor type	Microwave		
Material (cover)	polycarbonate		
Material (housing)	aluminum		



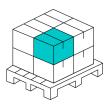
Single packaging



Width Height Length Weight 300 mm 160 mm

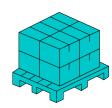
300 mm 2,1 kg 1

Bulk packaging



Outer box quantity

Europallet



1 pcs.