

MERGA High Ceiling Luminaire 100W /150W



General Application Areas



Factories



Warehouses



Gyms



Aircraft
Hangars

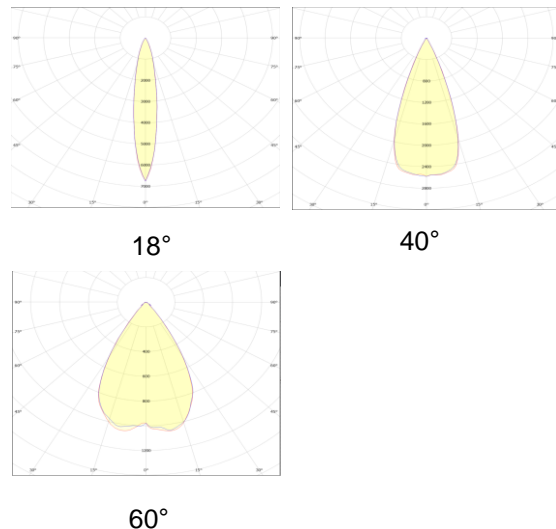


Airports

General Information

The Merga High Bay LED Luminaire is designed to replace point light sources such as metal halide and sodium vapor, especially in industrial plants, warehouses, and sports facilities with ceiling heights ranging from 7.5 to 25 meters. Merga is one of the brightest stars in the night sky. The Merga series luminaires, including the Merga star, are engineered with premium components, ensuring 365 days of uninterrupted, high-quality illumination. These luminaires are maintenance-free and offer a straightforward installation process, contributing to their longevity in facilities. Merga luminaires possess a high degree of mechanical protection (IK08), water and dust protection (IP66), and proven chemical resistance, making them well-suited to endure the harsh conditions prevalent in industrial environments. The luminaires are robust, compact, and reliable, offering excellent light quality. They provide 18°, 25°, 40°, 60°, and asymmetric light distribution options to meet the lighting needs of factories. The Merga series luminaires can be used to replace existing luminaires, meeting the criteria of efficiency, energy saving, and improved light management. Additionally, these luminaires are compatible with Industry 4.0 integration, offering automation control options such as 1-10V, DALI, and KNX.

Optical Beam Angles



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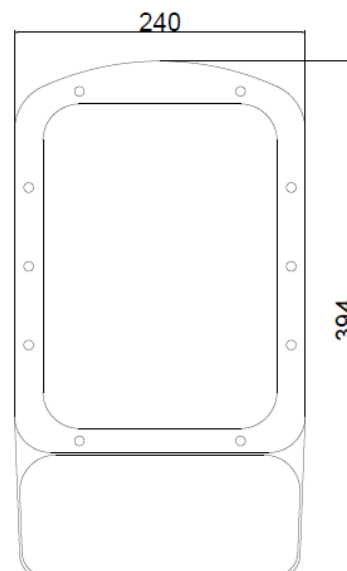
Technical Specifications

Power	:100W /150W
Input Voltage	:200-240 V AC 50/60 HZ
Power Factor	:>0,9
Effectiveness Factor	:132 lm/W
Luminous Flux	:13200lm/19800lm
Light Angle	:18°/40°/60°
Color Temperature (CCT)	:3000K /4000K/5000K/ 6500K
Color Rendering Index (CRI)	:70+ / 80+
IP Protection Class	:IP 66
Dimensions	:394x240x100 mm
Weight	:5.8 kg
Warranty Period	:5 Year

Optical and Electrical Properties

Body	Aluminum Injection	CE Marking	Yes
Color Options	Black RAL 9005, Grey RAL 9006	RoHS Compliance	Yes
Front Cover	Tempered Glass	Lifetime	≥60,000 Hours
Lens	PMMA	Throttling Options	1-10V, DALI
Light source	LED	Operating Temperature	-25°/+55°C
Impact Resistance	IK 08	Total Harmonic Distortion	<%20

Product Images, Technical Drawing and Wiring Diagram



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Product Variations

Product Code	Power	Input Voltage	Luminous Flux	Light Angle	Colour	Dimensions	Weight
MRG-100SM-00181-865-9005	100W	200-240 V AC 50/60 Hz	13200 lm	18°	Black	394x240x100 mm	5,8 kg
MRG-100SM-00401-865-9005	100W	200-240 V AC 50/60 Hz	13200 lm	40°	Black	394x240x100 mm	5,8 kg
MRG-100SM-00601-865-9005	100W	200-240 V AC 50/60 Hz	13200 lm	60°	Black	394x240x100 mm	5,8 kg
MRG-150SM-00181-865-9005	150W	200-240 V AC 50/60 Hz	19800 lm	18°	Black	394x240x100 mm	5,8 kg
MRG-150SM-00401-865-9005	150W	200-240 V AC 50/60 Hz	19800 lm	40°	Black	394x240x100 mm	5,8 kg
MRG-150SM-00601-865-9005	150W	200-240 V AC 50/60 Hz	19800 lm	60°	Black	394x240x100 mm	5,8 kg

Product Code	Power	Input Voltage	Luminous Flux	Light Angle	Colour	Dimensions	Weight
MRG-100SM-00181-865-9006	100W	200-240 V AC 50/60 Hz	13200 lm	18°	Grey	394x240x100 mm	5,8 kg
MRG-100SM-00401-865-9006	100W	200-240 V AC 50/60 Hz	13200 lm	40°	Grey	394x240x100 mm	5,8 kg
MRG-100SM-00601-865-9006	100W	200-240 V AC 50/60 Hz	13200 lm	60°	Grey	394x240x100 mm	5,8 kg
MRG-150SM-00181-865-9006	150W	200-240 V AC 50/60 Hz	19800 lm	18°	Grey	394x240x100 mm	5,8 kg
MRG-150SM-00401-865-9006	150W	200-240 V AC 50/60 Hz	19800 lm	40°	Grey	394x240x100 mm	5,8 kg
MRG-150SM-00601-865-9006	150W	200-240 V AC 50/60 Hz	19800 lm	60°	Grey	394x240x100 mm	5,8 kg