

DGS45/127L(A) DGS60/127(A) Mining LED Explosion Proof Light

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Ex marking: Ex d I Mb

Application

- Coal mine tunnel, chamber, pumping stations, substations, parking area, etc.

Intelligent performance features (customized)

- When the lamp is powered on for the first time, it will be 100% lit. When the set time is not detected, the lamp will be reduced to 10%/ 20%/ 30%/ 50% brightness, and the brightness will be maintained until the set brightness is maintained. The light will illuminate 100% when the object is on.
- When the microwave detects the movement of the person or object, the light is 100% lit, and the lighting time can be set to 5S/ 30S/ 60S/ 5Min/ 10Min/ 20Min/ 30min. When the time is exceeded, the luminaire will enter the hold mode.
- The microwave detection range has a radius of 2.2-2.5 m and a diameter of 4.5-5 m.
- Compared with traditional HID light source lamps, the intelligent LED lamps can achieve a maximum energy saving of 90%;
- Through the automatic detection function, the power consumption of the lamp is reduced, and the life of the lamp is greatly improved; while saving energy, the maintenance workload is also reduced.

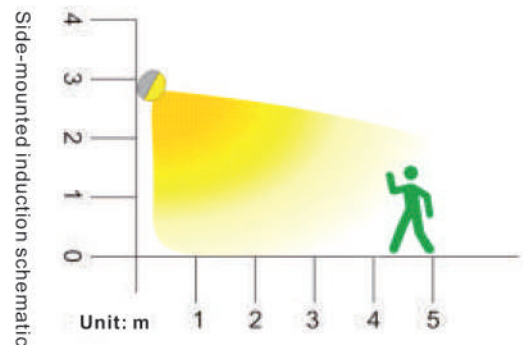
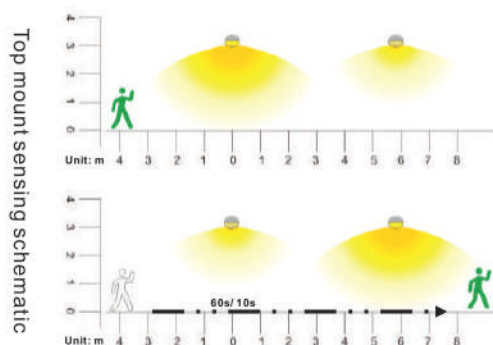
Characteristics

- According to the operator's requirements for different height requirements of the ground, walls, and top of the coal mine roadway, the entire roadway space is illuminated in the most energy-efficient and efficient way.
- The light source adopts the world famous brand, and electricity consumption is only 40% of the metal halide lamp.
- The key components of the power supply are all world-class brands, efficient and stable.
- The unique heat dissipation structure is used to accelerate the heat conduction by the heat transfer heat conduction method, thereby effectively ensuring efficient heat dissipation of the LED, so that the LED life can reach 100,000 hours.
- Ceiling-mounted, parallel-connected, side-to-side, optimized for wiring design.
- The explosion-proof type has the highest explosion-proof grade and can be used in the inflammable and explosive places of the coal mining industry.
- The shell is treated with high-tech surface spray technology, which is wear-resistant, corrosion-resistant, waterproof and dustproof, and is suitable for various harsh environments.
- The intelligent module control system can be customized, and the humanized control lamps are bright and dark.

Main Specification

Item	Technical Parameters
Input voltage (V)	90-264VAC/127~300VDC
Rated frequency	50Hz / 60Hz
Anti corrosion grade	WF2
Insulation grade	I
Spacing height ratio	3.5
CCT	5000K (3000K/4000K optional)
Cable entry	G3/4"
Leading-in cable diameter	φ 9mm~ φ 14mm
Dimension (mm)	φ 240 × 245mm
Net weight (kg)	5.2Kgs

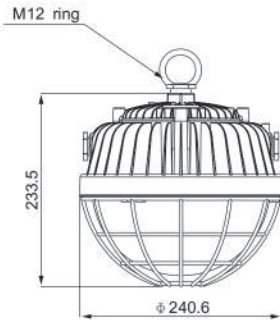
Induction schematic



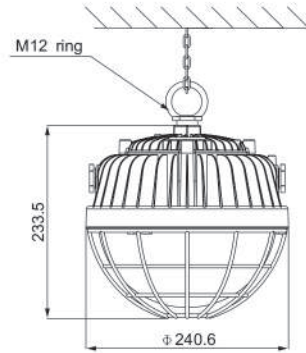
Ordering Reference

Model number	Light Source	Rated wattage (W)	Light output (lm)	Equivalent to	
				MH	Electro less lamp
DGS45/127L(A)	LED	45W	3600	70~100W	85W
DGS60/127L(A)	LED	60W	4800	100W	100W

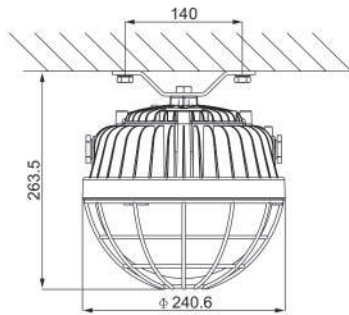
Drawing of dimension (Dimensions in mm)



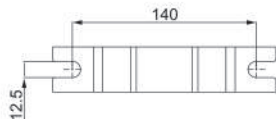
Standard



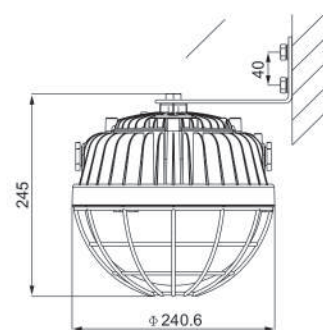
Ring mounted



Ceiling mounted



Ceiling mounting hole drawing



Side wall mounted (optional)