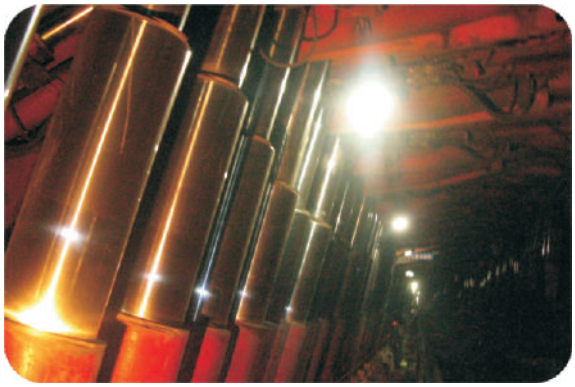
DGC20/127L[A] DGC24/127L[A] DGC30/127L[A] DGC41/127L[A] DGC45/127L[A] LED Explosion-proof Mining Tunnel Light



Ex marking：Ex d I Mb



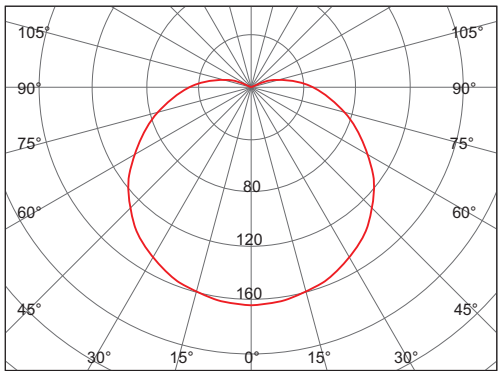
Application

- This product is widely used in coal mining face dedicated;
- Applicable to places with high humidity and high anti-corrosion protection level;
- Suitable for mine sites with explosive gas (methane) and coal dust;
- Suitable for Class I explosive gas environment;

Characteristics

- This lamp is specially designed for coal mining working face, and the shell is made of 304 stainless steel. It is solved that the coal mining face required by the MT221 standard prohibits the use of aluminum alloy casings. Flameproof housing material: The housing of the electrical equipment on the mining face can be made of gray cast iron with a grade of not lower than HT250. (GB3836.2, specified in Appendix F1.1);
- The meaning of MT221 model stipulates: DGC where "C" represents lamps for mining face;
- All-round self-circulation heat dissipation design, which can be used in the working environment of the mining face for a long time; the upper and lower ventilation fin structure does not accumulate dust;
- American Lumileds light source, the average light efficiency of the whole light is as high as 100lm/W, and the energy saving of metal halide lamps is more than 60% compared with that of metal halide lamps;
- AC and DC universal, power factor up to 0.99;
- The light source can be quickly replaced without welding on site.

Light Distribution Curve



cd/1000lm

Main Specification

Item	Technical Parameters
Input voltage (V)	90-264VAC
Rated frequency	50Hz / 60Hz
Rated wattage	20W/24W/30W/40W/45W
Light source	LED
Life time (h)	50,000
CRI (Ra)	70 (80 optional)
CCT	5000K(3000K/4000K optional)
Cable entry	G3/4"
Leading-in cable diameter	Φ9mm~Φ14mm
Dimension (mm)	Φ230×218 (Ring mounted)
	218×230×268 (Bracket mounted)
Net weight (kg)	5.5Kg (Ring mounted)
	6Kg (Bracket mounted)

DGC20/127L[A] DGC24/127L[A] DGC30/127L[A] DGC41/127L[A] DGC45/127L[A] LED Explosion-proof Mining Tunnel Light

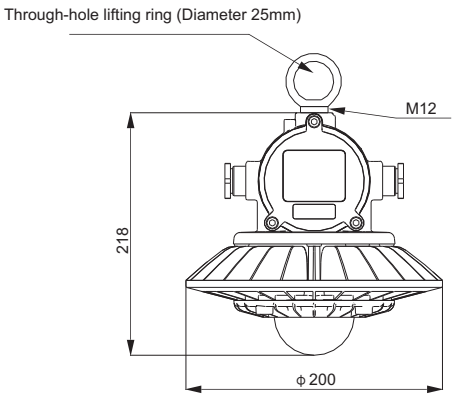
Ordering Reference

Model number	Picture	Rated wattage (W)	Light output (lm)	Mounted type	Space height ratio	Mounting height (m)	Equivalent to MH
DGC20/127L(A)-P		20W	1800	Ring mounted	1.75	3~6m	50W
DGC30/127L(A)-P		30W	2600				70W
DGC41/127L(A)-P		41W	3690				100W
DGC45/127L(A)-P		45W	3825				100W
DGC20/127L(A)-S		20W	1800	Bracket mounted	1.75	3~6m	50W
DGC30/127L(A)-S		30W	2600				70W
DGC41/127L(A)-S		41W	3690				100W
DGC45/127L(A)-S		45W	3825				100W

General example: The order number of the lamp is DGC30/127L(A)-P-L30-5000K, DGC30/127L(A) is the model number, P for ring type installation, wattage as 30W,color temperature as 5000K

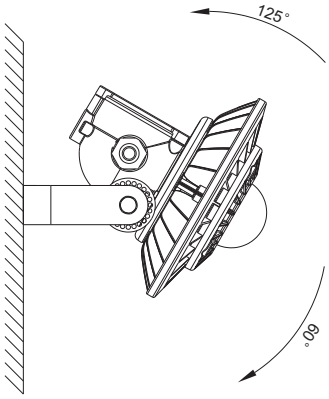
Drawing of dimension (Dimensions in mm)

Ring mounting



Standard

Side wall mounted



Optional