

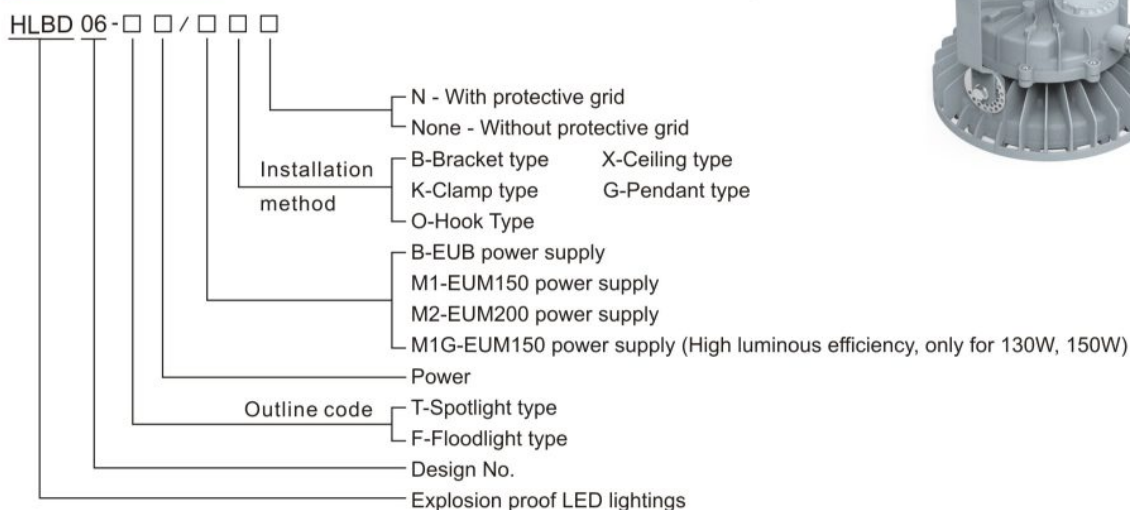
HLBD06- Series Explosion-proof LED Lightings

1 Application and Features

- Explosion protection
 - IECEx (IEC)
 - ATEX (CENELEC, EN)
 - China Ex(GB)
- Application in hazardous area
 - Zone 1 and Zone 2,
 - Zone 21 and Zone 22
- Light source and power:
 - Spotlight LED: 130, 150, 160, 180, 190, 200, 220, 240W
 - Floodlight LED: 130, 150, 160, 180, 190, 200, 220, 240, 260, 280W
- Two enclosure types: Spot light, Floodlight.
- Light source cavity, electrical cavity and wiring cavity are separate.
Only need to open the wiring cavity when wiring, convenient and safe for installation and maintenance.
- The angle of bracket is adjustable.
- Protective grid can be equipped upon request.

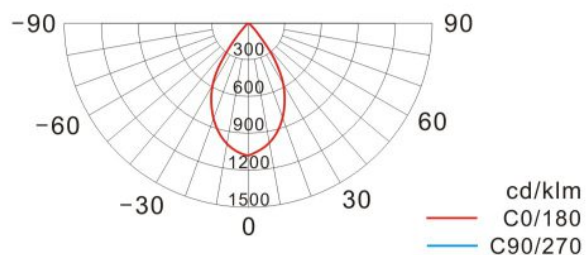


2 Nomenclature

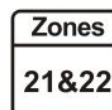
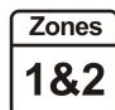
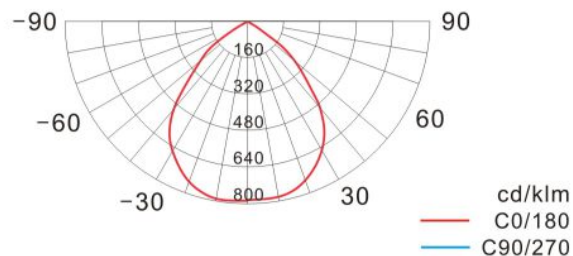


3 Luminous distribution curve

HLBD06-T Rated luminous flux
150W:15500lm, 200W:20000lm, 240W:22800lm



HLBD06-F Rated luminous flux
150W:18200lm, 200W:22500lm, 260W:26000lm



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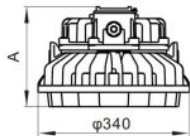
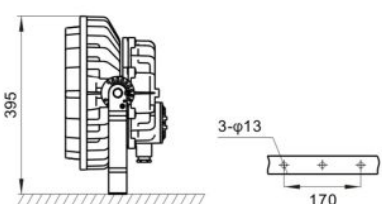
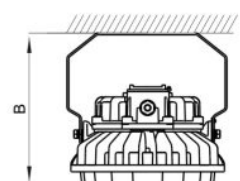
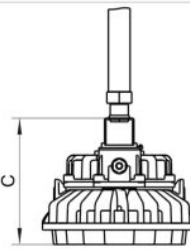
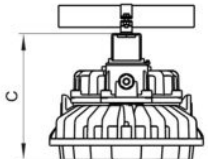
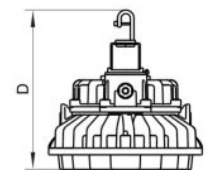
4 Technical Parameter

Ex marking	Gas	Ex II 2 G Ex db op is IIC T6/T5/T4 Gb	Ex db op is IIC T6/T5/T4 Gb	Ex d IIC T6/T5/T4 Gb
	Dust	Ex II 2 D Ex tb op is IIIC T80/T95/T130°C Db	Ex tb op is IIIC T80/T95/T130°C Db	Ex tDA21 IP66 T80/T95/T130°C Db
Conformity to standards		IEC60079-0, IEC60079-1, IEC60079-28,IEC60079-31 EN60079-0, EN60079-1, EN60079-28 ,EN60079-31 GB3836.1,GB3836.2,GB12476.1,GB12476.5		
Structure, Material	Enclosure	Aluminum alloy enclosure, powder coated, industrial grey with dark lines texture (RAL7035)		
	Transparent cover	Tempered glass, resistant to 4J impact		
	Protective grid	Steel wire powder coating (white) or stainless steel, please note when needed		
	LED power	Wide voltage input (90~305VAC/127~250VDC), constant power output, power factor ≥ 0.96. With protection functions of constant current, over current, open circuit, short circuit, surge prevention, etc.		
	Reflector	Secondary optical design, significantly improve the efficiency of the lamp, uniform illumination, no glare		
	Beam angle	Spotlight type: 60°, floodlight type: 145°		
	Exposed fastener	Stainless steel		
Light source	Specification	LED (Cree), multiple arrangement, luminous efficiency ≥ 140 lm/W, color rendering ≥ 70		
	Power (W)	LED: 130, 150, 160, 180, 190, 200, 220, 240, 260, 280W		
	LED (CCT) color temperature	Cool white: 5700K (default) Note: Warm white (3000K) and natural white (4000K) can be customized, please note it when ordering.		
Rated voltage, frequency		90~305VAC/127 ~ 250VDC, 50/60Hz		
Degree of protection		IP66, IP67		
Ambient temperature	HLBD06-T(Spotlight type)			
	130,160,180, 190,200W	200W	190,200, 220,240W	130,150, 160,180W
	-40℃~-60℃:T4	-40℃~-55℃:T4	-40℃~-+40℃:T5	-40℃~-+40℃:T6 -40℃~-+55℃:T5
	HLBD06-F(Floodlight type)			
	130,150,160, 180,190W	130,150W	220W	220,240, 260,280W
	-40℃~-+60℃:T4	-40℃~-+60℃:T5	-40℃~-+55℃:T4	-40℃~-+40℃:T5 -40℃~-+55℃:T5
Terminal block		3×1.5~4mm ² (L+N+PE)		
Cable entries		1-M25×1.5, 1-NPT3/4		
Available cable outer diameter (mm)		φ 9~ φ 14(mm)		

5 Selection Table

Spotlight type		Floodlight type	
Type	Weight (kg)	Type	Weight (kg)
HLBD06-T200B	11.70	HLBD06-F200B	11.20
HLBD06-T200X	11.70	HLBD06-F200X	11.20
HLBD06-T200G	11.70	HLBD06-F200G	11.20
HLBD06-T200K	11.80	HLBD06-F200K	11.30
HLBD06-T200/O	11.75	HLBD06-F200/O	11.25
HLBD06-T300B	12.10	HLBD06-F300B	11.90
HLBD06-T300X	12.10	HLBD06-F300X	11.90
HLBD06-T300G	12.10	HLBD06-F300G	11.90
HLBD06-T300K	12.20	HLBD06-F300K	12.00
HLBD06-T300/O	12.15	HLBD06-F300/O	11.95

6 Outline and Installation Dimension (Dimensions in mm)

				
	B-Bracket type	X-Ceiling type		
				
G-Pendant type	K-Clamp type	O-Hook type		
Type	A	B	C	D
HLBD06-T	225	340	280	360
HLBD06-F	198	315	253	335

7 Accessories list

Item	Picture	Purchase code	Weight (kg)
Spotlight type glass cover ring		4.02.901.0491	3.46
Floodlight type glass cover ring		4.02.901.0495	3.1
Protective gird		2.03.0100222	0.25

8 Accessories list

The installation accessories required by different installation methods see the table below;

Installation method	Item	Picture	Qty	Purchase code	Weight (kg)
B-Bracket type X-Ceiling type	Mounting bracket		1	2.15.0707075	0.85
	Mounting bracket		1	2.14.0707071	0.85
K-Clamp type	Clamp G1		1	2.12.5901007	0.08
	Clamp G1 1/4			2.12.5901010	0.2
	Clamp G1 1/2			2.12.5901013	0.2
	Clamp G2			2.12.5901016	0.24
	Mounting bracket			2.14.0707077	0.95
O-Hook type	Mounting bracket		1	2.14.0707081	0.95

Note: The accessories that are not mentioned in the table, user need provide it by themself.