

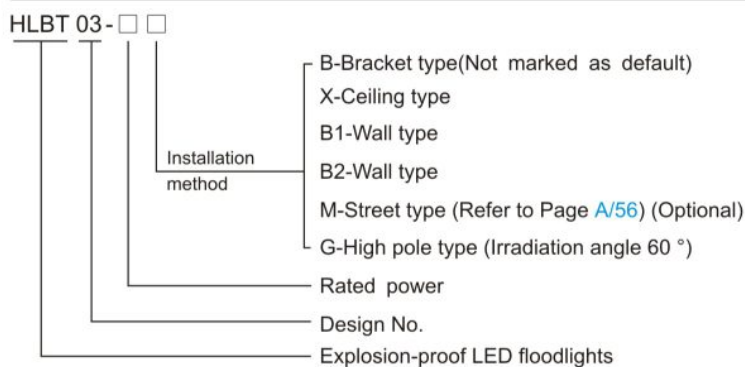
HLBT03-Series Explosion-proof LED Floodlights

1 Application and Features

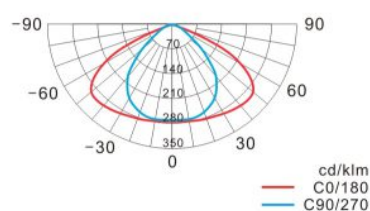
- Explosion protection
 - IECEX (IEC)
 - ATEX (CENELEC, EN)
 - China Ex(GB)
- Application in hazardous area
 - Zone 1 and Zone 2,
 - Zone 21 and Zone 22
- Light source and power:
 - LED:50W,90W,100W,150W,200W,225W,250W
- Three enclosure types: 90, 150, 250
- Light source cavity, electrical cavity and wiring cavity are separately. Only need to open the wiring cavity when wiring, convenient and safe for installation and maintenance.
- The mounting bracke with dentation crankset, which can adjust the lamp beam angle.



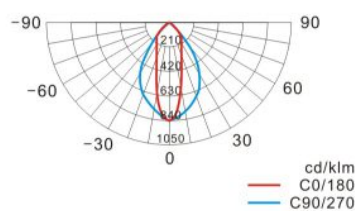
2 Nomenclature



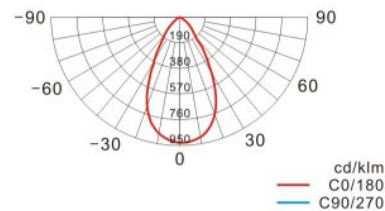
3 Luminous distribution curve



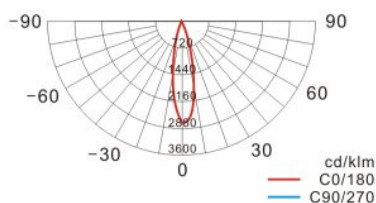
HLBT03-200(136X78°)



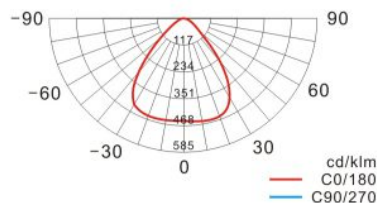
HLBT03-200(30X70°)



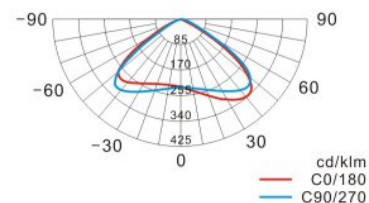
HLBT03-200(60°)



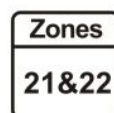
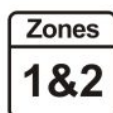
HLBT03-200(25°)



HLBT03-200(90°)



HLBT03-200(120°)



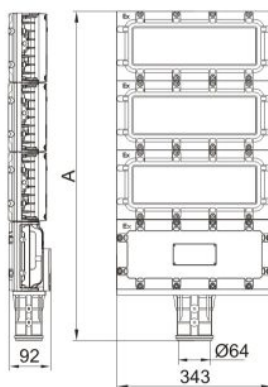
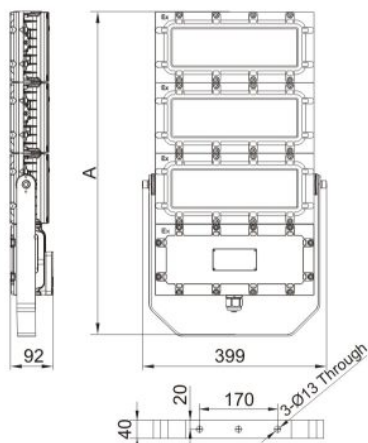
4 Technical Parameter

Ex marking	Gas	Ex II 2 G Ex db eb op is IIB T6/T5 Gb	Ex db eb op is IIB T6/T5 Gb	Ex d e IIB T6/T5 Gb
	Dust	Ex II 2 G Ex db eb op is IIB+H2 T6/T5 Gb	Ex db eb op is IIB+H2 T6/T5 Gb	Ex d e IIB+H2 T6/T5 Gb
		Ex II 2 D Ex tb op is IIIC T80/T95°C Db	Ex tb op is IIIC T80/T95°C Db	Ex tD A21 IP66 T80/T95°C
Conformity to standards		IEC60079-0, IEC60079-1, IEC60079-7, IEC60079-28, IEC60079-31 EN60079-0, EN60079-1, EN60079-7, EN60079-28, EN60079-31 GB3836.1, GB3836.2, GB3836.3, 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		
	LED power	Wide voltage input (90~305VAC), constant power output, power factor ≥ 0.98 . With protection functions of constant current, over current, open circuit, short circuit, surge prevention, etc.		
	Optical lens	Floodlight type and street type is $136 \times 78^\circ$ as standard, Spotlight type and high pole type is 60° as standard, Customizable : $30 \times 70^\circ$, 25° , 90° , 120° .		
	Adjustable angle	Specially designed angle adjusting mechanism can adjust the irradiation angle by requirements, and the lamp body can be installed horizontally or on the wall		
	Exposed fastener	Stainless steel		
Light source	Specification	LED (Cree), multiple arrangement, luminous efficiency ≥ 140 lm/W, color rendering ≥ 70		
	Power (W)	LED : 50W, 90W, 100W, 150W, 200W, 225W, 250W		
	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		220, 230, 240V AC		
Frequency		50/60Hz		
Degree of protection		IP66		
Ambient temperature		$-40^\circ\text{C} \sim +40^\circ\text{C}$: T6, $-40^\circ\text{C} \sim +55^\circ\text{C}$: T5		
Terminal block		3X1.5 ~ 4mm ² (L+N+PE)		
Cable entries		1-M25X1.5		
Applicable cable outer diameter		$\phi 9 \sim \phi 14$ (mm)		

5 Outline and Installation Dimension (Dimensions in mm)

●B-Bracket type / G-High pole type

●M-Street type



Power(W)	Bracket type A		Street type A	
	Size (mm)	Weight (kg)	Size (mm)	Weight (kg)
50W、90W	415	7.5	435	7.0
100W、150W	570	12	590	11.5
200W、225W 250W	725	16.2	745	15.7

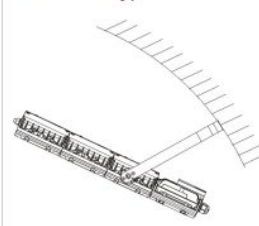
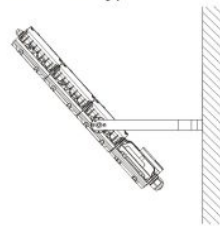
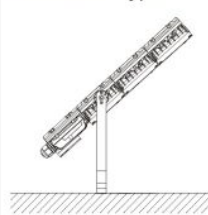
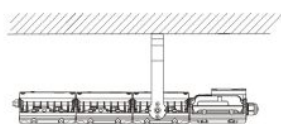
●X-Ceiling type

●B-Bracket type

●M-Street type

●B1-Wall type

●B2-Wall type



6 Accessories list

Item	Picture	Qty	Power	Purchase code	Weight (kg)
LED module		1	50, 90W	2.10.0131401	0.06
		2	100, 150W		
		3	200, 225, 250W		
LED Power		1	50W	2.10.1000089	0.7
		2	90, 100, 150W	2.10.1000142	
		3	200W	2.10.1000162	
		4	225, 250W	2.10.1000181	
Optical lens		1	50, 90W	2.05.0631131	0.06
		2	100, 150W		
		3	200, 225, 250W		
Glass cover frame		1	50, 90W	4.02.901.0471	1.2
		2	100, 150W		
		3	200, 225, 250W		
Wiring cavity cover		1	50, 90, 100, 150, 200, 225, 250W	4.02.413.0065	0.2
Explosion-proof cable gland (M25X1.5)		1	50, 90, 100, 150, 200, 225, 250W	2.11.99999	0.2
Screw gear (inside and outside)		2 pcs each	50, 90, 100, 150, 200, 225, 250W	2.17.0721001 2.17.0721003	0.12
Bracket (X, B, B1, B2)		1	50, 90, 100, 150, 200, 225, 250W	2.14.0708123	1.12
Street lamp outlet sleeve (with screws)		1	50, 90, 100, 150, 200, 225, 250W	1.02.412.80018	0.82