

LED Explosion-proof Lighting

**LED Floodlight/LED Tunnel light/
LED Emergency light/LED Indicating light**

**18W / 30W / 36W / 48W / 56W / 72W
340mm / 600mm / 1200mm**



Features

- Four types of using LED Floodlight, LED Tunnel light, LED Emergency light and Indicating light.
- Length available 340mm, 600mm and 1200mm.
- Osram led source, high lumen output over 140lm/W.
- Extruded Copper-free Aluminum, high intensity, endure 20J impact.
- Shock and vibration resistant.
- Own design and produced LED drivers are provide reliable operation.
- Capable to work on extreme high and low temperature -45°C ~ +60°C, keep good performance.
- IP66, WF2, can be used in ocean environment.
- Lightning protection 6KV, THD ≤ 10%.
- Various installations.

IP 66

WF 2

IK 10

140lm/W

+60°
-45°

THD=10%

6KV

Applications

- Ex mark: Ex ib mb IIC T5/T6 Gb. For Zone 1 and Zone 2, Zone 21 and Zone 22.
- Ideal for petroleum, oil well, refineries, on land and offshore rigs, pumping station, petrochemical plants, tunnel and emergency area lighting, etc.

LED lights-Cheetah	18W	30W	36W	48W	56W	72W
Lumen output (lm)	1800lm	3000lm	3600lm	4800lm	5600lm	7200lm
Fluorescent Equiv(approx)	2x18W	2x21/2x28W	2x21/2x28W	2x36W	2x48W	2x56W

Technical parameters						
	18W	30W	36W	48W	56W	72W
Power consumption	18W	30W	36W	48W	56W	72W
Item No.	Ex-BCT18 / Ex-BCTE18	Ex-BCT30	Ex-BCT36 / Ex-BCTE36	Ex-BCT48 / Ex-BCTE48	Ex-BCT56	Ex-BCT72
Input voltage & frequency	AC 100-277V / 50-60Hz	AC 100-277V / 50-60Hz	AC 100-277V / 50-60Hz	AC 100-277V / 50-60Hz	AC 100-277V / 50-60Hz	AC 100-277V / 50-60Hz
Input current	60-180mA	100-300mA	120-360mA	170-480mA	20-560mA	250-720mA
Power factor (PF)	≥ 0.95	≥ 0.95	≥ 0.95	≥ 0.95	≥ 0.95	≥ 0.95
LED chips	OSRAM	OSRAM	OSRAM	OSRAM	OSRAM	OSRAM
Luminous Flux	1800lm	3000lm	3600lm	4800lm	5600lm	7200lm
Colour rendering index (CRI)	Ra >70	Ra >70	Ra >70	Ra >70	Ra >70	Ra >70
Colour temperature	WW:2800-3300K	WW:2800-3300K	WW:2800-3300K	WW:2800-3300K	WW:2800-3300K	WW:2800-3300K
	PW:4700-5400K	PW:4700-5400K	PW:4700-5400K	PW:4700-5400K	PW:4700-5400K	PW:4700-5400K
	CW:5700-7100K	CW:5700-7100K	CW:5700-7100K	CW:5700-7100K	CW:5700-7100K	CW:5700-7100K
Beam angle	80° / 140° / TL(NOTE1)	80° / 140°	80° / 140°	80° / 140°	80° / 140°	80° / 140°
Working ambient temp.	-45°C ~ +60°C / -25 ~ +55°C (NOTE2)	-45°C ~ +60°C	-45°C ~ +60°C / -25 ~ +55°C (NOTE2)	-45°C ~ +60°C / -25 ~ +55°C (NOTE2)	-45°C ~ +60°C	-45°C ~ +60°C
IP Grade	IP66	IP66	IP66	IP66	IP66	IP66
Lifespan	≥ 50,000 hrs	≥ 50,000 hrs	≥ 50,000 hrs	≥ 50,000 hrs	≥ 50,000 hrs	≥ 50,000 hrs
Housing	Copper free Aluminium	Copper free Aluminium	Copper free Aluminium	Copper free Aluminium	Copper free Aluminium	Copper free Aluminium
Front Cover	Tempered glass	Tempered glass	Tempered glass	Tempered glass	Tempered glass	Tempered glass
Dimensions	340*160*80mm/600*160*80mm	340*160*80mm	340*160*80mm/600*160*80mm	600*160*80mm/1200*160*80mm	600*160*80mm/1200*160*80mm	1200*160*80mm
Weight	2kg/3.5kg	2kg	2kg/3.5kg	3.5kg/7kg	3.5kg/7kg	7kg
Warranty	3 years	3 years	3 years	3 years	3 years	3 years

NOTE1— TL(Tunnel light) NOTE2— -25~+55°C(Emergency light)
NOTE3— Power and Length, can be customized according to different demands, but less than 72W.