

LED Explosion-proof Lighting

LED Flood Light LED Emergency Light

18W/30W/36W/48W/56W/72W
400mm/600mm/900mm/1200mm

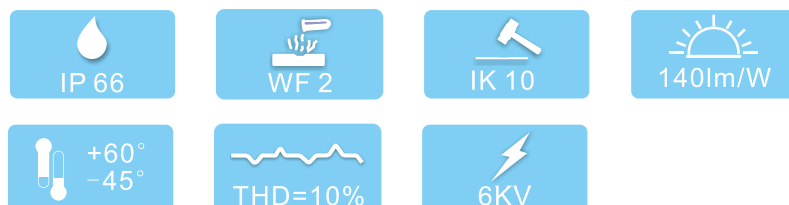


Features

- Can be used as floodlight, tunnel light, street light and emergency light.
- Length available 400mm, 600mm, 900mm, 1200mm. And the length can be customized according to customer requirement.
- 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.
- Emergency function available.
- 5 years warranty.

Applications

- Ex mark: II 2 G Ex d mb IIC T4 Gb, for Zone 1 and Zone 2, II 2 D Ex tb IIIC T130°C Db IP66, for 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.

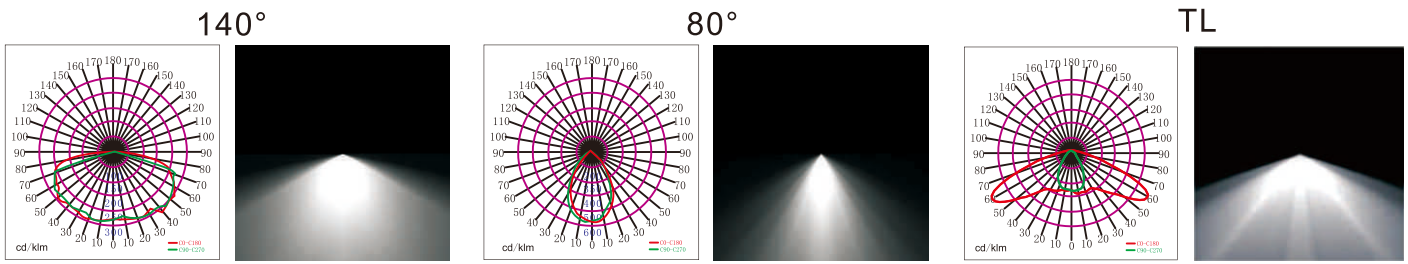


LED lights-Cheetah	18W	30W	36W	48W	56W	72W
Lumen output (lm)	1800lm	3000lm	3600lm	4800lm	5600lm	7200lm
Fluorescent Equiv(approx)	2x18W	2x21/2x28W	2x21/2x28W	2x36W	2x48W	2x56W

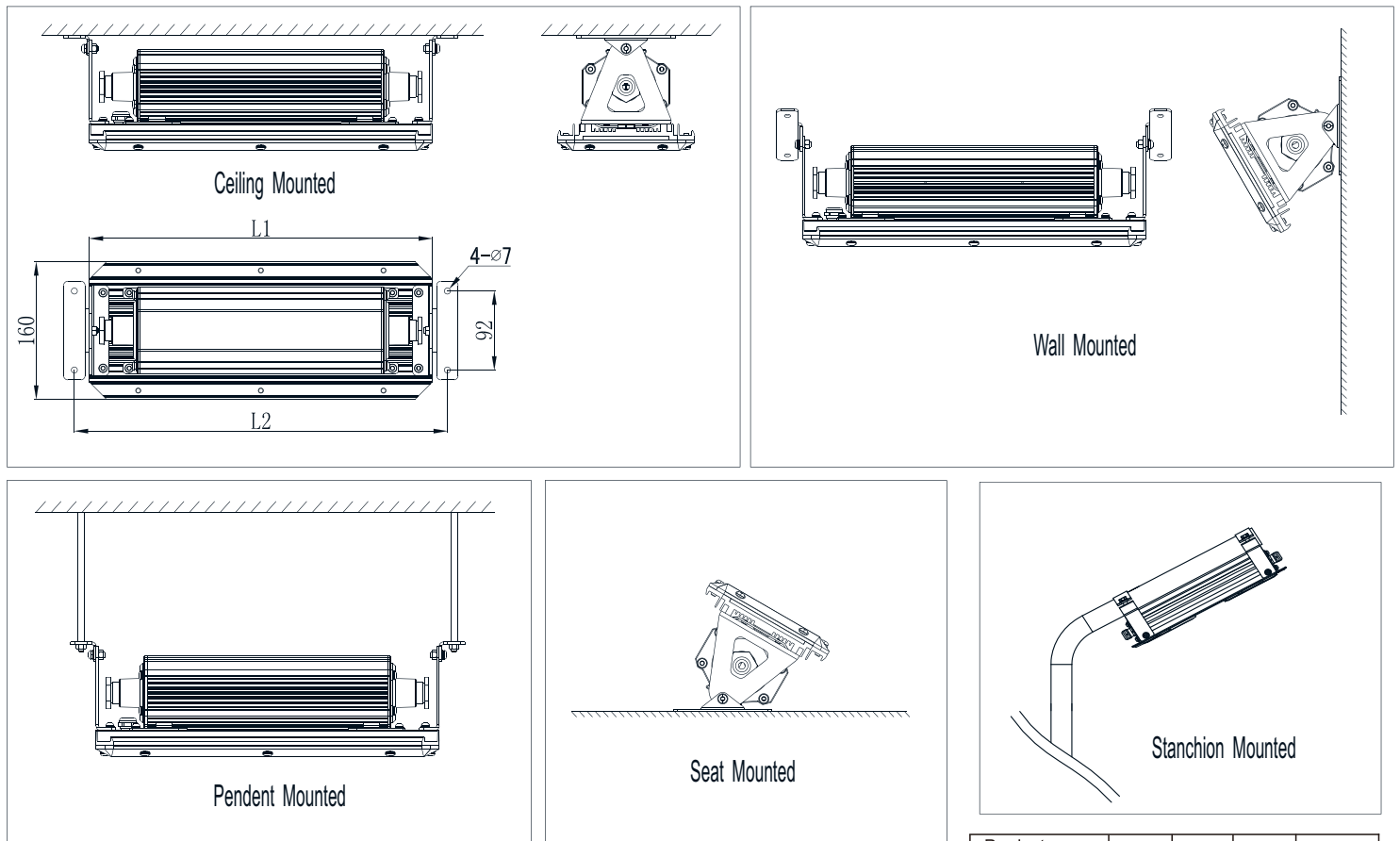
Technical parameters						
Power consumption	18W	30W	36W	48W	56W	72W
Item No.	Ex-BCT18 / Ex-BCTE18	Ex-BCT30	Ex-BCT36 / Ex-BCTE36	Ex-BCT48 / Ex-BCTE48	Ex-BCT56	Ex-BCT72
Input voltage & frequency	AC 100-277V / 50-60Hz	AC 100-277V / 50-60Hz	AC 100-277V / 50-60Hz	AC 100-277V / 50-60Hz	AC 100-277V / 50-60Hz	AC 100-277V / 50-60Hz
Input current	60~180mA	100~300mA	120~360mA	170~480mA	200~560mA	250~720mA
Power factor (PF)	≥ 0.95	≥ 0.95	≥ 0.95	≥ 0.95	≥ 0.95	≥ 0.95
LED chips	OSRAM/PHILIPS	OSRAM/PHILIPS	OSRAM/PHILIPS	OSRAM/PHILIPS	OSRAM/PHILIPS	OSRAM/PHILIPS
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. (NOTE2)	-45°C~ +60°C	-45°C~ +60°C	-45°C~ +60°C	-45°C~ +60°C	-45°C~ +60°C	-45°C~ +60°C
IP Grade	IP66	IP66	IP66	IP66	IP66	IP66
Lifspan	≥ 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
Demensions (NOTE3)	L:400/600mm W:160mm H:122mm	L:600/900/1200mm W:160mm H:122mm	L:600/900/1200mm W:160mm H:122mm	L:600/900/1200mm W:160mm H:122mm	L:600/900/1200mm W:160mm H:122mm	L:1200mm W:160mm H:122mm
Weight	6.1kg/8.2kg	6.1kg/8.2kg/12.9kg	6.1kg/8.2kg/12.9kg	6.1kg/8.2kg/12.9kg	6.1kg/8.2kg/12.9kg	12.9kg

NOTE1— TL(Tunnel light) NOTE2— -15~+45°C(Emergency light) NOTE3—The length and power can be customized according to customer requirements.

Distribution Curve



Installation



Product Length(mm)	400	600	900	1200
L1	405	635	918	1200
L2	440	670	953	1235

Ordering Information

Part number definition as follow:

EX	B	CT	E(D)	XX	XX
Type	Brand	Series	Emergency (Direction)	Power	CCTK
EX-Explosion proof		CT-Cheetah		18-18W	WW-2800~3300K PW-4700~5400K CW-5700~7100K

For example: Ex-BCT36CW ; Ex-BCTE36PW

Note:

- If emergency, then with "E";
- If indicating light, then with "D";
- If without emergency function, then nothing.
- If explosion proof lighting, then with "Ex";
- If industrial lighting, then nothing.
- Explosion proof lighting, golden color;
- Industrial lighting, silver cover.