



CATALOGUE

1006



SHENZHEN TOPMOST LIGHTING TECHNOLOGY CO.,LTD
深圳讯茂时代科技有限公司

Create Excellent Light Environment



Introduction

Shenzhen **Topmost Lighting** Technology Co.,Ltd is one of the leading company in designing & manufacturing of explosion-proof/weatherproof LED lightings, junction boxes, cable glands, and other accessories for hazardous and industrial areas.

TOPMOST - Leading the way in global explosion-proof lighting solutions.

As a trailblazer, we transcend boundaries, offering unmatched explosion-proof and industrial lighting solutions that resonate across industries worldwide. Our commitment is crystal clear: to illuminate the path to efficiency and security in even the most challenging environments.

Advantages:

- **Certified Assurance:** ISO 9001, ATEX, IECEx, ISO 14001, ISO 45001.
- **Product Certification:** ATEX, IECEx, CNEx, CE, RoHS.
- **Exceptional Capacity:** over 1500 units luminaires per day.
- **Excellent Technical Support:** a R&D team with more than 20 years rich experience in explosion-proof field, which can provide the most professional technical support rapidly.
- Providing customized products and services.
- Providing complete lighting solutions.
- Continuous innovation, continuously creating unique value for clients.
- Approved by various international giant companies in oil&gas industry, mining industry and power sector, such as ADNOC, Pertamina, Petronas, POD, OXY, NPCC, CNPC, Sinopec, PowerChina, Anglo American, Repsol, Shell, SWCC, Marafiq, TotalEnergies, etc.

Technological
Outstanding
Professional
Mastery
Optimal
Safe
Trustworthy





Content

Explosion-proof Knowledge	01
LED Explosion-proof Lighting	02
Explosion-proof Junction Box	06
Explosion-proof Cable Gland	08
LED Industrial Lighting	10
LED Solar Lighting	12
Multi-functional Mobile Lighting Tower	13
LED Office Lighting	14
Main Customers & Typical Projects	15

Explosion-proof Knowledge

Classification of Explosive Dangerous Gas

Class I: Mine Methane
 Class II: Explosive mixture gases(include vapor and mist)
 Class II: Explosive dust and fiber

Gas Explosive Area Classification

According to the using environment of explosion-proof equipment , it's divided to Class I and Class II(used in the explosion-proof gas environment except mines) electrical equipment.

The Zone below is defined to Class II electrical equipment.

Zone 0	A place in which an explosive atmosphere consisting of a mixture with air of flammable substances in the form of gas, vapor or mist is present continuously or for long periods or frequently.
Zone 1	A place in which an explosive atmosphere consisting of a mixture with air of flammable substances in the form of gas, vapor or mist is likely to occur in normal operation occasionally. Zone 1 is the typical application area for explosion proof electrical equipment.
Zone 2	A place in which an explosive atmosphere consisting of a mixture with air of flammable substances in the form of gas, vapor or mist is not likely to occur in normal operation, but if it does occur, it will persist for a short period only. Generally "short period" means no longer than 2hrs.

Explosion-proof Electrical Equipment Class, Group and Divison

Divided into three levels according to the environment:
 Class I: Mine using
 Class II: Factory using
 Class II: Explosive dust and fiber using

Class II equipments are divided by Group and Division:
 Group: Groups A, B, C
 Division: Division T1-T6
 It's the highest surface temperature, which related to explosion-proof type.
 Class I and Class III are not divided to group or division, but Class III is divide to Group A and Group B.

Explosion-proof Electrical Equipment Class, Group and Divison

Divided into three levels according to the environment:
 Class I: Mine using
 Class II: Factory using
 Class II: Explosive dust and fiber using

Class II equipments are divided by Group and Division:
 Group: Groups A, B, C
 Division: Division T1-T6
 It's the highest surface temperature, which related to explosion-proof type.
 Class I and Class III are not divided to group or division, but Class III is divide to Group A and Group B.

Equipment Temperature Group	Gas Ignite Temperature	Allowed Highest Surface Temperature
T1	>450°C	≤450°C
T2	>300°C	≤350°C
T3	>200°C	≤200°C
T4	>135°C	≤135°C
T5	>100°C	≤100°C
T6	>85°C	≤85°C

Example of Class and Group for Explosive Gas

Class	Temperature Group of Explosive Gas					
	T1	T2	T3	T4	T5	T6
I	Methane					Ethyl nitrite
IIA	Ethane, propane, acetone, styrene, benzene, toluene, benzene, ammonia, formaldehyde, carbon, monoxide	Butane, methanol, ethanol, propylene, vinyl chloride, butyl acetate	Pentane, ethane, heptane, octane, gasoline, hydrogen sulphide	Ether, acetaldehyde		
IIB	Coke oven gas, cyclopropane	Ethylene oxide, propylene oxide, butadiene, ethylene	Dimethyl ether, hydrogen sulfide, acrolein	Tetrafluoroethylene, diethyl ether		
IIC	Water gas, hydrogen	Ethyne			Sifur dioxide	Nitric acid, ethyl ester

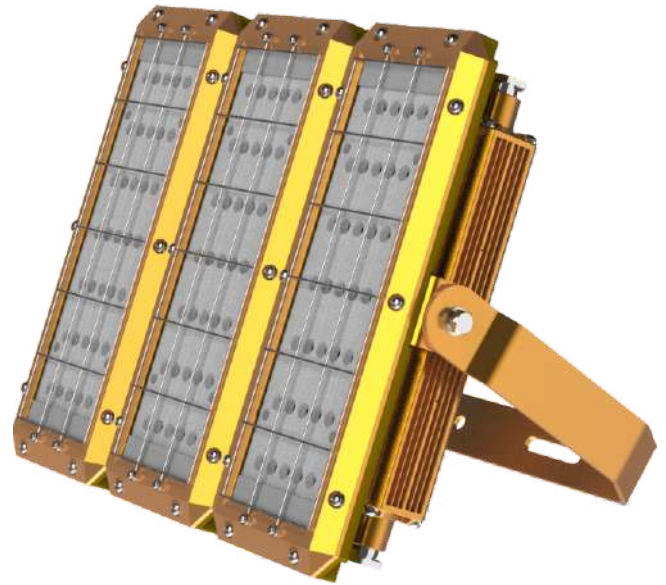
Main Explosion-proof Technology

Ex-proof Type	Symbol	International Electrotechnical Commission (IEC) European Standard (EN)	China Standard (GB)	Application Area
Flameproof	d	IEC 60079-1 EN 60079-1	GB 3836.2	Zone 1
Increased Safety	e	IEC 60079-7 EN 60079-7	GB 3836.3	Zone 1
Intrinsic Safety	l	IEC 60079-11 EN 60079-11	GB 3836.4	ia-Zone 0
Purged and Pressurized	p	IEC 60079-2 EN 60079-2	GB 3836.5	Zone 1
Oil Immersion	o	IEC 60079-6 EN 60079-6	GB 3836.6	px, py-Zone 1 pz-Zone 2
Powder Filling	q	IEC 60079-5 EN 60079-5	GB 3836.7	Zone 1
Type of Protection "n"	n	IEC 60079-15 EN 60079-15	GB 3836.8	Zone 2
Encapsulation	m	IEC 60079-18 EN 60079-18	GB 3836.9	mb-Zone 1
Combustible Dust Explosion-proof	tD DIP A DIP B	IEC 61241-0 IEC 61241-1 EN 6124-0 EN6124-1	GB 12476.1	GB 12476.1

LED Explosion-proof Lighting



- ◆ ATEX & IECEx certification
(Issued by TUV, Eurofins, BV, SGS)
- ◆ Power ranging 04W~500W
- ◆ 100~277VAC, 47~62Hz
- ◆ 160lm/W, OSRAM LEDs
- ◆ $-45^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$
- ◆ IP 66, IK 10, WF 2&marine grade
- ◆ THD $\leq 7\%$
- ◆ Anti-lightning $>6\text{kV}$
- ◆ Emergency function is available
- ◆ 5 years warranty
- ◆ Customized products are available
- ◆ Zones 1 & 21, Zones 2 & 22
- ◆ Class I, Division 1, Groups A B C D; Class II, Division 1, Groups E F G; Class III



Jaguar Series



Model No.	Power	Lumen	IP Grade	Working Temp.	Distribution Curve	Installation Method
Ex-BJG80	80W	9,600lm	IP 66	-45°C~+60°C	15° 40° 80° 120° SL	Ceiling mounted Wall mounted Seat mounted Rings mounted Recessed mounted Pole mounted Street light mounted Portable light
Ex-BJG100	100W	12,000lm				
Ex-BJG120	120W	14,400lm				
Ex-BJG160	160W	19,200lm				
Ex-BJG200	200W	24,000lm				
Ex-BJG240	240W	28,800lm				

II 3 G Ex nR IIC T4 Gc;
II 3 D Ex tb IIIC T110°C Db IP66;
For Zone 2&22

Jaguar Series



Model No.	Power	Lumen	IP Grade	Working Temp.	Distribution Curve	Installation Method
Ex-BJGD80	80W	10,400lm	IP 66	-45°C~+60°C	40° 80° 120° SL	Ceiling mounted Wall mounted Seat mounted Rings mounted Pole mounted Street light mounted Portable light
Ex-BJGD100	100W	13,000lm				
Ex-BJGD120	120W	15,600lm				
Ex-BJGD160	160W	20,800lm				
Ex-BJGD200	200W	26,000lm				
Ex-BJGD230	230W	29,900lm				
Ex-BJGD250	250W	32,500lm				
Ex-BJGD230*2	460W	59,900lm				
Ex-BJGD250*2	500W	65,000lm				

II 2 G Ex db IIB+H₂ T6 Gb;
II 2 D Ex tb IIIC T83°C Db IP66;
For Zones 1&21, Zones 2&22

Cheetah Series



Model No.	Power	Lumen	IP Grade	Working Temp.	Distribution Curve	Installation Method
Ex-BCT(E)56*2 ^①	112W	14,560lm	IP 66	-45°C~+55°C or -15°C~+55°C (Emergency lighting)	80° 140°	Ceiling mounted Wall mounted Seat mounted Rings mounted Recessed mounted Pole mounted Street light mounted
Ex-BCT(E)56*3	168W	21,840lm				
Ex-BCT(E)56*4	224W	29,120lm				
Ex-BCT(E)72*2	144W	18,720lm				
Ex-BCT(E)72*3	216W	28,080lm				
Ex-BCT72*4	288W	37,440lm				
Ex-BCT72*6	432W	56,160lm				

II 2 G Ex db mb IIC T4 Gb;
II 2 D Ex tb IIIC T130°C Db IP66
For Zones 1&21, Zones 2&22

Remark ①: "E" means emergency lighting, which is optional.
Emergency time 90 min, 2 hours or 3 hours are available.

Clouded Leopard Series



Model No.	Power	Lumen	IP Grade	Working Temp.	Distribution Curve	Installation Method
Ex-BCL50*2	100W	12,000lm	IP 66	-45°C~+60°C	40° 80° 120° 330°	Ceiling mounted Wall mounted Seat mounted Rings mounted
Ex-BCL50*3	150W	18,000lm				
Ex-BCL50*4	200W	24,000lm				

II 2 G Ex db IIC T6 Gb;
II 2 D Ex tb IIIC T80°C Db IP66;
For Zones 1&21, Zones 2&22

Leopard Series



Model No.	Power	Lumen	IP Grade	Working Temp.	Distribution Curve	Installation Method
Ex-BLP(E)30 ^①	30W	3,600lm	IP 66	-45°C~+60°C or -15°C~+55°C (Emergency lighting)	40° 80° 120°	Ceiling mounted Wall mounted Seat mounted Rings mounted Pole mounted Portable light
Ex-BLP(E)45	45W	5,400lm				
Ex-BLP(E)60	60W	7,200lm				
Ex-BLP(E)80	80W	9,600lm				

II 2 G Ex d IIC 101°C T4 Gb;
II 2 D Ex tb IIIC T96°C Db IP66
For Zones 1&21, Zones 2&22

Remark ①: "E" means emergency lighting, which is optional.
Emergency time 90 min, 2 hours or 3 hours are available.

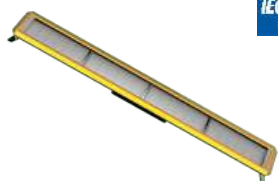
Leopard Series



Model No.	Power	Lumen	IP Grade	Working Temp.	Distribution Curve	Installation Method
Ex-BCL20	20W	2,400lm	IP 66	-45°C~+60°C	80° 120° 330°	Ceiling mounted Wall mounted Seat mounted Rings mounted Pole mounted
Ex-BCL30	30W	3,600lm				
Ex-BCL40	40W	4,800lm				
Ex-BCL50	50W	6,000lm				

II 2 G Ex db IIC T6 Gb;
II 2 D Ex tb IIIC T80°C Db IP66
For Zones 1&21, Zones 2&22

Cheetah Series



Model No.	Power	Lumen	IP Grade	Working Temp.	Distribution Curve	Installation Method
Ex-BCT(E)18 ^①	18W	2,340lm	IP 66	-45°C~+55°C or -15°C~+55°C (Emergency lighting)	80° 140°	Ceiling mounted Wall mounted Seat mounted Rings mounted Pole mounted Street light mounted
Ex-BCT(E)30	30W	3,900lm				
Ex-BCT(E)36	36W	4,680lm				
Ex-BCT(E)48	48W	6,240lm				
Ex-BCT(E)56	56W	7,280lm				
Ex-BCT(E)72	72W	9,360lm				

II 2 G Ex db mb IIC T4 Gb;
II 2 D Ex tb IIIC T130°C Db IP66
For Zones 1&21, Zones 2&22

Remark ①: "E" means emergency lighting, which is optional.
Emergency time 90 min, 2 hours or 3 hours are available.

Asiatic Cheetah-A Series



Model No.	Power	Lumen	IP Grade	Working Temp.	Distribution Curve	Installation Method
Ex-BAC(E)-A18 ^①	18W	2,160lm	IP 66	-45°C~+60°C or -15°C~+55°C (Emergency lighting)	140°	Ceiling mounted Wall mounted Seat mounted Rings mounted Pole mounted Street light mounted
Ex-BAC(E)-A30	30W	3,600lm				
Ex-BAC(E)-A36	36W	4,320lm				
Ex-BAC(E)-A48	48W	5,760lm				
Ex-BAC(E)-A56	56W	6,720lm				
Ex-BAC(E)-A72	72W	8,640lm				

II 2 G Ex db eb IIC T6 Gb;
II 2 D Ex tb IIIC T80°C Db IP66
For Zones 1&21, Zones 2&22

Remark ①: "E" means emergency lighting, which is optional.
Emergency time 90 min, 2 hours or 3 hours are available.

Asiatic Cheetah Series



Model No.	Power	Lumen	IP Grade	Working Temp.	Distribution Curve	Installation Method
Ex-BAC(E)18 ^①	18W	2,340lm	IP 66	-45°C~+60°C or -15°C~+55°C (Emergency lighting)	140°	Ceiling mounted Wall mounted Seat mounted Rings mounted Pole mounted Street light mounted
Ex-BAC(E)30	30W	3,900lm				
Ex-BAC(E)36	36W	4,680lm				
Ex-BAC(E)48	48W	6,240lm				
Ex-BAC(E)56	56W	7,280lm				
Ex-BAC(E)72	72W	9,360lm				

II 2 G Ex db IIC T6 Gb;
II 2 D Ex tb IIIC T80°C Db IP66
For Zones 1&21, Zones 2&22

Remark: "E" means emergency lighting, which is optional.
Emergency time 90 min, 2 hours or 3 hours are available.

Cheetah Series



Model No.	Power	Lumen	IP Grade	Working Temp.	Light Intensity	Installation Method
Ex-BCTED04	4W	Green light+ Green sign	IP 66	-15°C~+55°C	50~300cd/m2	Ceiling mounted Wall mounted Seat mounted Rings mounted Pendant mounted
Ex-BCTED08	8W					
Ex-BCTED04	4W	White light+ Red sign				
Ex-BCTED08	8W					

II 2 G Ex db mb IIC T4 Gb;
II 2 D Ex tb IIIC T130°C Db IP66
For Zones 1&21, Zones 2&22

Remark: "E" means emergency lighting.
Emergency time 90 min, 2 hours or 3 hours are available.
The patterns can be customized as per clients requirement.

Asiatic Cheetah Series



Model No.	Power	Lumen	IP Grade	Working Temp.	Light Intensity	Installation Method
Ex-BACED04	4W	Green light+ Green sign	IP 66	-15°C~+55°C	50~300cd/m2	Ceiling mounted Wall mounted Seat mounted Rings mounted
Ex-BACED08	8W					
Ex-BACED04	4W	White light+ Red sign				
Ex-BACED08	8W					

II 2 G Ex db IIC T6 Gb;
II 2 D Ex tb IIIC T80°C Db IP66
For Zones 1&21, Zones 2&22

Remark: "E" means emergency lighting.
Emergency time 90 min, 2 hours or 3 hours are available.
The patterns can be customized as per clients requirement.

Nigh Hawk Series



Model No.	Power	Working Time	IP Grade	Working Temp.	Distribution Curve	Installation Method
Ex-BNIH30	0~30W, Max.30W	≥5h(30W) ≥10h(20W) ≥20h(10W) ≥30h(5W)	IP 66	-25°C~+55°C	15° 40° 80°	Portable light Magnetic adsorption Tripod fixation

II 2 G Ex db IIC T6 Gb;
II 2 D Ex tb IIIC T80°C Db IP66
For Zones 1&21, Zones 2&22

Work mode: Stepless dimmable with power display.

Sparrow Hawk Series



Model No.	Power	Working Time	IP Grade	Working Temp.	Illumination at 1m	Weight
Ex-BSPH03	3W	≥5h(Strong light) ≥10h(Work light)	IP 68(30m)	-25°C~+55°C	>7000Lux	≤180g

II 2 G Ex ib IIC T6 Gb;
II 2 D Ex tb IIIC T80°C Db IP68
For Zones 1&21, Zones 2&22

Sparrow Hawk Series



Model No.	Power	Work Time	IP Grade	Working Temp.	Illumination at 1m	Weight
Ex-BCGH03	3W	≥5h(Strong light) ≥10h(Work light)	IP 68(30m)	-25°C~+55°C	>7000Lux	≤90g

II 2 G Ex ib IIC T6 Gb;
II 2 D Ex tb IIIC T80°C Db IP66
For Zones 1&21, Zones 2&22

Portable mode: Hatband, hanging buckle, hat matching.

Explosion-proof Junction Box



- ◆ Explosion-proof junction box
 - Explosion-proof distribution panel
 - Explosion-proof switch box
- ◆ ATEX certification
- ◆ Housing material: stainless steel, aluminum alloy, GRP, etc
- ◆ Working temperature:
 - Static: $-50^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$
 - $-50^{\circ}\text{C} \leq T_a \leq +75^{\circ}\text{C}$
 - Dynamic: $-25^{\circ}\text{C} \leq T_a \leq +80^{\circ}\text{C}$
- ◆ IP 66, IK 10, WF 2&marine grade
- ◆ "eb", "db", "tb", IIA IIB IIC
- ◆ Zones 1&21, Zones 2&22
- ◆ Class I, Division 1, Groups A B C D; Class II, Division 1, Groups E F G; Class III
- ◆ Products can be customized as per requirements



Ex-BJB-C Group



Model No.	Explosion-proof Type	Cable Entries		Cable Diameter (mm)	Material	External Dimension (mm)
		Thread Size	Numbers			
Ex-BJB-C110-A	Ex db IIC	M20,NPT1/2",G1/2" M25,NPT3/4",G3/4" M32,NPT1",G1"	1~7	Max. Φ27	Al Alloy	Φ126*68
Ex-BJB-C110-B	Ex db IIC	M20,NPT1/2",G1/2" M25,NPT3/4",G3/4"	1~5	Max. Φ20	Al Alloy	Φ96*58

II 2 G Ex db IIC T4/T5/T6 Gb
II 2 D Ex tb IIIC T80/95/130°C Db IP66
For Zones 1&21, Zones 2&22

Ex-BJB-S Group



Model No.	Explosion-proof Type	Cable Entries		Cable Diameter (mm)	Material	External Dimension (mm)
		Thread Size	Numbers			
Ex-BJB-S****-dbIIC	Ex db IIC	M20,NPT1/2",G1/2" M25,NPT3/4",G3/4" M32,NPT1",G1" M63,NPT2",G2"	As per requirements		Al alloy SS304 SS316	200*200*130 230*230*130 300*300*150 300*400*150 400*400*200 450*450*200
Ex-BJB-S****-dbIIB	Ex db IIB	M20,NPT1/2",G1/2" M25,NPT3/4",G3/4" M32,NPT1",G1" M63,NPT2",G2" M75,NPT2-1/2" G2-1/2" M90,NPT3",G3" M90,NPT4",G4"	As per requirements		Al alloy SS304 SS316	200*200*130 230*230*130 200*300*150 300*300*150 300*400*150 400*400*200 400*500*250 500*600*250 Other dimensions can be customized (stainless steel only)
Ex-BJB-S****-ebIIC	Ex eb IIC	M20,NPT1/2",G1/2" M25,NPT3/4",G3/4" M32,NPT1",G1" M63,NPT2",G2" M75,NPT2-1/2" G2-1/2" M90,NPT3",G3" M90,NPT4",G4"	As per requirements		Al alloy SS304 SS316	120*120*90 200*200*100 230*230*110 200*300*150 300*300*150 300*400*150 400*400*150 400*500*150 Other dimensions can be customized (stainless steel only)
Ex-BJB-S****-ebIIC	Ex eb IIC	M20,NPT1/2",G1/2" M25,NPT3/4",G3/4" M32,NPT1",G1" M50,NPT1-1/2" G1-1/2"	As per requirements		GRP	130*130*86 225*150*120 300*220*120 360*360*170 420*300*190

II 2 G Ex db IIB T4/T5/T6 Gb
II 2 G Ex db IIC T4/T5/T6 Gb
II 2 D Ex tb IIIC T80/95/130°C Db IP66
For Zones 1&21, Zones 2&22

Remark: 1. Rated voltage: 110 Vac ~6000Vac; 2. Rated Conductor: Max. 300mm²

Ex-BJB-DP Group



Model No.	Explosion-proof Type	Cable Entries		Cable Diameter (mm)	Material	External Dimension (mm)
		Thread Size	Numbers			
Ex-BJB-DP****-dbIIB/IIC	Ex db IIB/IIC	M20,NPT1/2",G1/2" M25,NPT3/4",G3/4" M32,NPT1",G1" M63,NPT2",G2" M75,NPT2-1/2" G2-1/2" M90,NPT3",G3" M90,NPT4",G4"	As per requirements		Al alloy SS304 SS316	200*200*130 230*230*130 200*300*150 300*300*150 300*400*150 400*400*200 400*500*250 500*600*250 Other dimensions can be customized (stainless steel only)
		MCCBs&MCBs	Switches & Buttons	Ammeters & Voltmeters	Relay	Contactors switch
	Numbers, poles, rated currents as per requirements	As per requirements	As per requirements	As per requirements	As per requirements	

II 2 G Ex db IIB T4/T5/T6 Gb
II 2 G Ex db IIC T4/T5/T6 Gb
II 2 D Ex tb IIIC T80/95/130°C Db IP66
For Zones 1&21, Zones 2&22

Explosion-proof Cable Gland



- ◆ Thread type G/M/NPT, available in a variety of sizes
- ◆ Made of brass, stainless steel, and other customized materials
- ◆ ATEX certification
- ◆ Barrier type for armored cable is available
- ◆ Working temperature:
Static: $-50^{\circ}\text{C} \leq T_a \leq +130^{\circ}\text{C}$
Dynamic: $-25^{\circ}\text{C} \leq T_a \leq +80^{\circ}\text{C}$
- ◆ IP 66, IP 67
- ◆ "e", "d", "tb", IIA IIB IIC
- ◆ Zones 1&21, Zones 2&22
- ◆ Class I, Division 1, Groups A B C D;
Class II, Division 1, Groups E F G;
Class III
- ◆ Products can be customized as per requirements



Ex-BCG-BDM Group

For non-armored cable



II 2 G Ex d IIC Gb
II 2 G Ex e IIC Gb
II 2 D Ex tb IIIC Db IP67 / IP67
For Zones 1&21, Zones 2&22



Model No.	Explosion-proof Type	Thread Size	Cable Diameter (mm)	Wrench Size (mm)	Material
Ex-BCG-BDM _****	Ex d IIC Ex e IIC	M20,NPT1/2",G1/2"	Φ6~Φ14.3	24	Stainless steel Nickel plated brass
		M25,NPT3/4",G3/4"	Φ11~Φ20.2	30	
		M32,NPT1",G1"	Φ13~Φ26.5	40	
		
		M63,NPT2",G2"	Φ42.5~Φ54.3	75	
		M75,NPT2-1/2"	Φ54.5~Φ65.3	85	
		G2-1/2"	Φ67~Φ77.6	105	
		M90,NPT3",G3"	Φ75~Φ88	120	
		M100,NPT4",G4"			

Ex-BCG-MK Group

For armored cable



II 2 G Ex d IIC Gb
II 2 G Ex e IIC Gb
II 2 D Ex tb IIIC Db IP66 / IP67
For Zones 1&21, Zones 2&22



Model No.	Explosion-proof Type	Thread Size	Cable Diameter (mm)	Wrench Size (mm)	Material
Ex-BCG-MK _****	Ex d IIC Ex e IIC	M20,NPT1/2",G1/2"	Φ6~Φ14.3	24	Stainless steel Nickel plated brass
		M25,NPT3/4",G3/4"	Φ11~Φ20.2	30	
		M32,NPT1",G1"	Φ13~Φ26.5	40	
		
		M63,NPT2",G2"	Φ42.5~Φ54.3	75	
		M75,NPT2-1/2"	Φ54.5~Φ65.3	85	
		G2-1/2"	Φ67~Φ77.6	105	
		M90,NPT3",G3"	Φ75~Φ88	120	
		M100,NPT4",G4"			

Ex-BCG-RA Group

Reducer & reducer adaptor



II 2 G Ex d IIC Gb
II 2 G Ex e IIC Gb
II 2 D Ex tb IIIC Db IP66 / IP67
For Zones 1&21, Zones 2&22



Model No.	Explosion-proof Type	Thread Size	Cable Diameter (mm)	Wrench Size (mm)	Material
Ex-BCG-RA _****	Ex d IIC Ex e IIC	M20,NPT1/2",G1/2"	Φ6~Φ14.3	24	Stainless steel Nickel plated brass
		M25,NPT3/4",G3/4"	Φ11~Φ20.2	30	
		M32,NPT1",G1"	Φ13~Φ26.5	40	
		
		M63,NPT2",G2"	Φ42.5~Φ54.3	75	
		M75,NPT2-1/2"	Φ54.5~Φ65.3	85	
		G2-1/2"	Φ67~Φ77.6	105	
		M90,NPT3",G3"	Φ75~Φ88	120	
		M100,NPT4",G4"			

Ex-BCG-SP Group

Stopping plug for cable entry



II 2 G Ex d IIC Gb
For Zones 1&21, Zones 2&22



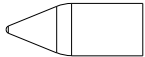
Model No.	Explosion-proof Type	Thread Size	Wrench Size (mm)	Material
Ex-BCG-SP _****	Ex d IIC Ex e IIC	M20,NPT1/2",G1/2"	24	Stainless steel Nickel plated brass
		M25,NPT3/4",G3/4"	30	
		M32,NPT1",G1"	40	
		
		M63,NPT2",G2"	75	
		M75,NPT2-1/2"	85	
		G2-1/2"	105	
		M90,NPT3",G3"	120	
		M100,NPT4",G4"		

Ex-BCG-Accessories Group

PVC shroud for cable gland

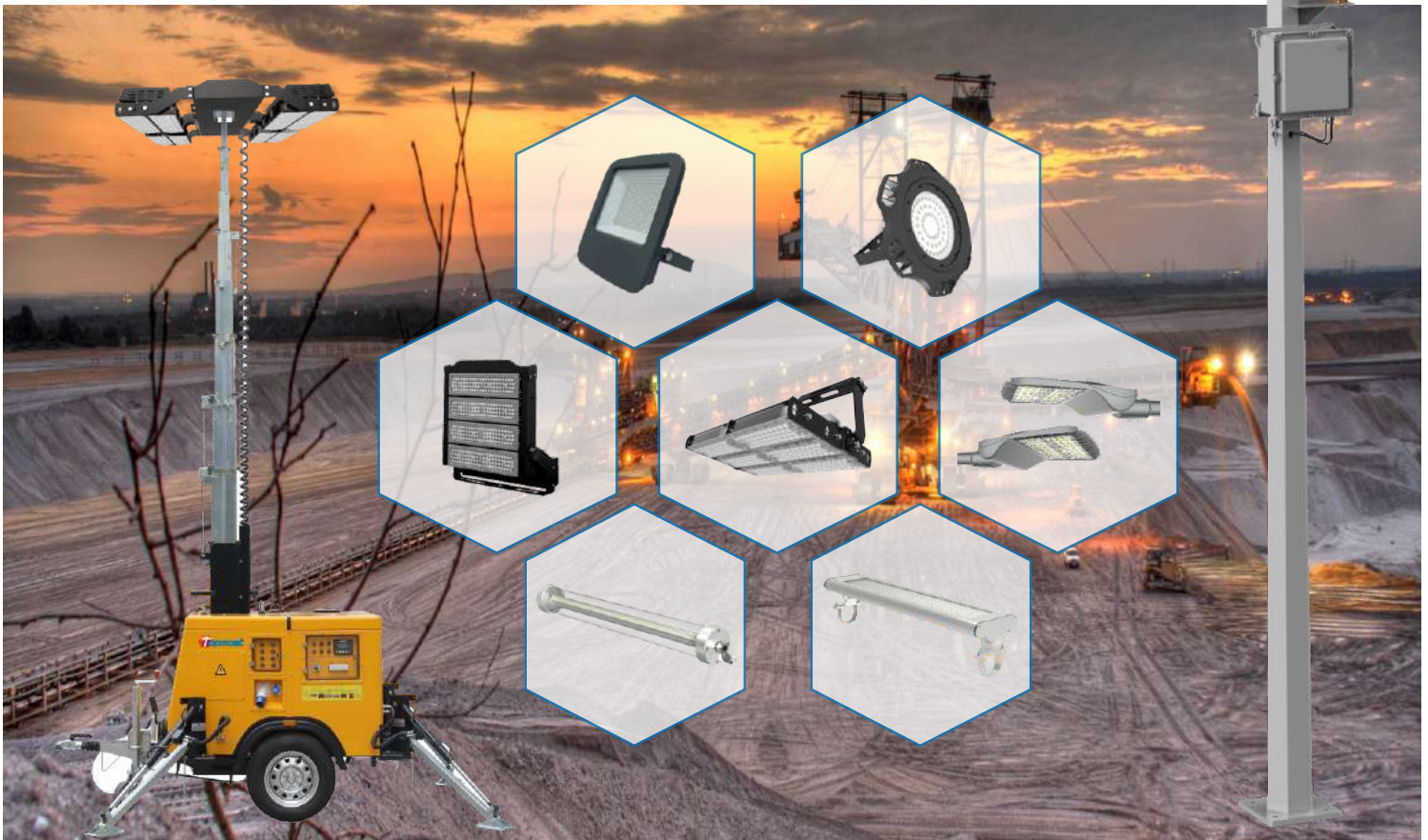


09

Model No.	Material	Suitable for Gland Size	Model Diameter ØA (mm)	Dimension Figure
Ex-BCG-Accessories _****	PVC	M20,NPT1/2",G1/2"	Φ27~Φ34	
		M25,NPT3/4",G3/4"	Φ38~Φ48.5	
		M32,NPT1",G1"	Φ51~Φ61.5	
		
		M63,NPT2",G2"	Φ73	
		M75,NPT2-1/2"	Φ108	
		G2-1/2"	Others: as per requirements	
		M90,NPT3",G3"		
		M100,NPT4",G4"		

Explosion-proof Solar Lighting

- ◆ CE & RoHS certification
- ◆ Power ranging 10W~2000W
- ◆ 100~277VAC, 47~62Hz
- ◆ 160lm/W, OSRAM LEDs
- ◆ $-45^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$
- ◆ IP 66, IK 10, WF 2
- ◆ THD $\leq 7\%$
- ◆ Anti-lightning $>6\text{kV}$
- ◆ 5 years warranty
- ◆ Emergency lighting
- ◆ Solar lighting
- ◆ Mobile lighting tower
- ◆ Customized products are available



Black Leopard Series



RoHS

Model No.	Power	Lumen	IP Grade	Working Temp.	Distribution Curve	Installation Method
BBL240	240W	30,000lm	IP 66	-45°C~+60°C	15° 25° 40° 60° 90° 120°	Ceiling mounted Wall mounted Seat mounted Pendant mounted Pole Mounted
BBL360	360W	45,000lm				
BBL400	400W	50,000lm				
BBL480	480W	60,000lm				
BBL720	720W	90,000lm				
BBL960	960W	120,000lm				

Black Leopard A Series



RoHS

Model No.	Power	Lumen	IP Grade	Working Temp.	Distribution Curve	Installation Method
BBL-A100	100W	12,500lm	IP 66	-45°C~+60°C	15° 40° 60° 90° 120° 136°*78°	Ceiling mounted Wall mounted Seat mounted Pendant mounted Pole Mounted
BBL-A120	120W	15,000lm				
BBL-A160	160W	20,000lm				
BBL-A200	200W	25,000lm				

Black Leopard S Series



RoHS

Model No.	Power	Lumen	IP Grade	Working Temp.	Distribution Curve	Installation Method
BBL-S50	50W	6,250lm	IP 66	-45°C~+60°C	SL (Street light)	Street light mounted
BBL-S80	80W	10,000lm				
BBL-S100	100W	12,500lm				
BBL-S120	120W	15,000lm				
BBL-S150	150W	18,750lm				
BBL-S200	200W	25,000lm				

Black Leopard E Series



RoHS

Model No.	Power	Lumen	IP Grade	Working Temp.	Distribution Curve	Emergency Mode
BBL-E30	30W	3,750lm	IP 66	-45°C~+60°C or -15°C~+55°C (Emergency lighting)	15° 40° 60° 90° 120°	Maintenance, non-maintenance are optional Emergency power: 8W Emergency time: 90min
BBL-E50	50W	6,250lm				
BBL-E80	80W	10,000lm				
BBL-E100	100W	12,500lm				
BBL-E120	120W	15,000lm				
BBL-E150	150W	18,750lm				

Snow Leopard Series

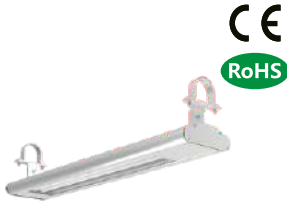


RoHS

Model No.	Power	Lumen	IP Grade	Working Temp.	Distribution Curve	Installation Method
BSL60	60W	7,500lm	IP 66	-45°C~+60°C or -15°C~+55°C (Emergency lighting)	60° 90° 120°	Ceiling mounted Wall mounted Seat mounted Suspension loop Suspension chain Pole mounted
BSL80	80W	10,000lm				
BSL100	100W	12,500lm				
BSL120	120W	15,000lm				
BSL160	160W	20,000lm				
BSL200	200W	25,000lm				

Remark: Emergency function optional.

Cryptomeria Series



CE

RoHS

Model No.	Power	Lumen	IP Grade	Working Temp.	Distribution Curve	Installation Method
BCP(E)36 ^①	36W	4,320lm	IP 66, IP 54 optional	-45°C~+60°C or -15°C~+55°C (Emergency lighting)	140°	Ceiling mounted Wall mounted Seat mounted Pendant mounted Pole Mounted
BCP(E)48	48W	5,760lm				
BCP(E)56	56W	6,720lm				
BCP(E)72	72W	8,640lm				
BCP(E)100	120W	7,920lm				

Remark ①: "E" means emergency lighting, which is optional.
Emergency time 90 min, 2 hours or 3 hours are available.

Asiatic Cheetah Series



CE

RoHS

Model No.	Power	Lumen	IP Grade	Working Temp.	Distribution Curve	Installation Method
BAC18	18W	1,980lm	IP 66	-45°C~+60°C or -15°C~+55°C (Emergency lighting)	140°	Ceiling mounted Pendant mounted Hanging mounted
BAC24	24W	2,640lm				
BAC36	36W	3,960lm				
BAC48	48W	5,280lm				
BAC56	56W	6,160lm				
BAC72	72W	7,920lm				

Remark ①: "E" means emergency lighting, which is optional.
Emergency time 90 min, 2 hours or 3 hours are available.

Black Leopard Solar Series



CE

RoHS

Model No.	Power	Lumen	IP Grade	Working Temp.	Distribution Curve	Working Time
BBL-Solar-A1020	20W	2,400lm	IP 66	-15°C~+55°C	SL (Street light)	Continuous3 rainy days Working mode can be customized
BBL-Solar-A1030	30W	3,600lm				
BBL-Solar-A1040	40W	4,800lm				
BBL-Solar-A1050	50W	6,000lm				
BBL-Solar-A1060	60W	7,200lm				
BBL-Solar-A1080	80W	9,600lm				

Black Leopard Solar Series



CE

RoHS

Model No.	Power	Lumen	IP Grade	Working Temp.	Distribution Curve	Working Time
BBL-Solar-B30	30W	3,600lm	IP 66	-15°C~+55°C	SL (Street light)	Continuous3 rainy days Working mode can be customized
BBL-Solar-B60	60W	7,200lm				
BBL-Solar-B80	80W	9,600lm				
BBL-Solar-B100	100W	12,000lm				
BBL-Solar-B120	120W	14,400lm				
BBL-Solar-B150	150W	18,000lm				

Other powers can be customized.

Remark: the whole system including:

- LED street light
- Solar panel
- Solar panel bracket
- Maintenance free colloid battery
- Electricity complementary special intelligent controller and remote controller
- Adaptor
- Junction box

Multi-functional Mobile Lighting Tower



LED lighting power up to 3000W

With diesel generator, engine power 7~12kW

Oil tank capacity 100L

Height can be adjusted from 2.45m ~ 10m

Application

- Mine lighting: used in open-pit mine lighting, mine road lighting, distribution storage and transportation, mine camping;
- Construction lighting: used in engineering construction, urban construction pipelines, road paving, road maintenance, road rescue;
- Emergency lighting: used in emergency rescue, earthquake disaster preparedness, armed police firefighting, earthquake disaster relief, flood prevention and rescue;
- Mobile lighting: used in gym, airport, railway, mining, etc.



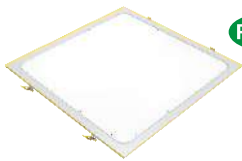
YK2A Series



Model No.	Power	Lumen	IP Grade	Working Temp.	Distribution Curve	Installation Method
YK2A/18W	18W	2,160lm	IP 54	-25°C~+55°C	140°	Recessed mounted Surface mounted Pendant mounted
YK2A/36W	36W	4,320lm				
YK2A/48W	48W	5,760lm				
YK2A/56W	56W	6,720lm				
YK2A/72W	72W	8,640lm				

Emergency function optional.

YK1A Series



Model No.	Power	Lumen	IP Grade	Working Temp.	Distribution Curve	Installation Method
YK1A/18W	18W	1,800lm	IP 43	-25°C~+55°C	140°	Recessed mounted Surface mounted Pendant mounted
YK1A/36W	36W	3,600lm				
YK1A/48W	48W	4,800lm				
YK1A/56W	56W	5,600lm				
YK1A/72W	72W	7,200lm				

Emergency function optional.

KXL138 Series



Model No.	Power	Lumen	IP Grade	Working Temp.	Distribution Curve	Installation Method
KXL138/15W	15W	1,500lm	IP 43	-25°C~+55°C	140°	Ceiling mounted
KXL138/25W	25W	2,500lm				
KXL138/40W	40W	4,000lm				

Emergency function optional.

BGH Series



Model No.	Power	Lumen	IP Grade	Working Temp.	Distribution Curve	Installation Method
BGH5W	5W	500lm	IP 54	-25°C~+55°C	60° 90° 120°	Recessed mounted Ceiling mounted
BGH10W	10W	1,000lm				
BGH15W	15W	1,500lm				
BGH20W	20W	2,000lm				
BGH25W	25W	2,500lm				
BGH30W	30W	3,000lm				

Emergency function optional.

MYZ4202 Series



Model No.	Power	Lumen	IP Grade	Working Temp.	Distribution Curve	Installation Method
MYZ4202/1*9W	18W	1,800lm	IP 65	-25°C~+55°C	160°	Ceiling mounted Wall mounted Pendant mounted
MYZ4202/2*9W	36W	3,600lm				
MYZ4202/1*18W	48W	4,800lm				
MYZ4202/2*18W	72W	7,200lm				

MYZ4301 Series



Model No.	Power	Lumen	IP Grade	Working Temp.	Distribution Curve	Installation Method
MYZ4301/1*18W	18W	1,800lm	IP 20	-25°C~+55°C	140°	Ceiling mounted Wall mounted Pendant mounted
MYZ4301/2*18W	36W	3,600lm				

Main Customers & Typical Projects

Worldwide Customers



ADNOC Vendor ID
20013343



Main Clients & Typical Projects

Typical Projects

Project name: Yanbu power and desalination plant phase 3

Owner: SWCC

EPC: SEPCO III

Country: Saudi Arabia

المؤسسة العامة لتحلية المياه المالحة
Saline Water Conversion Corporation (SWCC)



Project name: Replacement of lighting for security fence light for pumping south area station in Jubail

Owner: SWCC

Country: Saudi Arabia

المؤسسة العامة لتحلية المياه المالحة
Saline Water Conversion Corporation (SWCC)



Main Clients & Typical Projects

Typical Projects

Project name: Refinery
Owner: EcoPetrol
Country: Colombia



Project name: Oil tank
Owner: PetroChina
Country: Singapore



Main Clients & Typical Projects

Typical Projects

Project name: Oil tank
Owner: Total
Country: Morocco



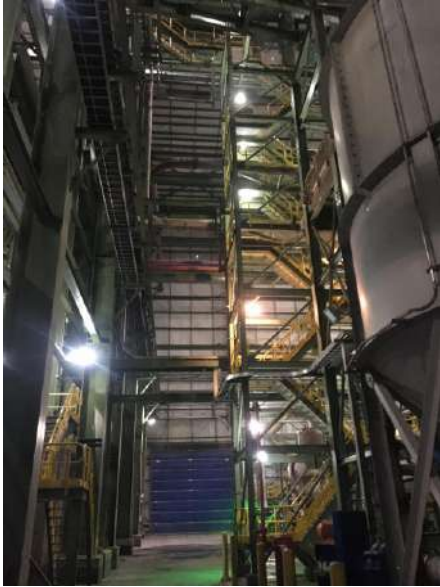
Project name: No.5 Refinery
Owner: Pertamina
Country: Indonesia



Main Clients & Typical Projects

Typical Projects

Project name: Aktogay copper mine
Owner: Kaz Minerals
Country: Kazakhstan



Project name: Wharf
Owner: Petronas
Country: Malaysia







SHENZHEN TOPMOST LIGHTING TECHNOLOGY CO.,LTD

深圳讯茂时代科技有限公司

Tel: +86-0755-8252344

Mobile: +86-139 2377 5086

Email: info@topmost-led.com

Website: www.topmost-led.com

Address: No.3 Yanhe Road, Xiangjiaotang, Bantian, Longgang, Shenzhen, Guangdong, China