



TORMIN®

TORMIN®

Professional • Innovative • Energy-saving • Reliable

Industrial Lighting

ZHEJIANG TORMIN ELECTRICAL CO.,LTD.

2014

ZHEJIANG TORMIN ELECTRICAL CO.,LTD.

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Zhejiang Tormin Electrical Co., Ltd is a high-tech civilian enterprise that specializes in R & D, manufacturing and selling of industrial lamps. Tormin products are widely used in the fields of electric power, coal mine, petrol, chemical, metallurgy etc.

In light of the world wide advocating of low carbon economy, Tormin always commits itself to the R & D of a new generation of low energy consumption illumination products and the supply of green products for customers. In an era of low carbon illumination, the Company regards the energy saving illumination as a major project. By making use of the advanced technology through R & D and technical exchanges and cooperation with counterparts from both China and overseas, Tormin develops a series of high efficiency products with the combination of high efficient light sources and electric appliances.

Tormin possesses powerful R & D and manufacturing capabilities, has being one of the largest industrial illumination R & D and production bases in China. Tormin is awarded as the Technology-oriented Small and Medium-sized Enterprise in Zhejiang Province, Patent Demonstration Enterprise in Wenzhou City, and Key Patent Protection Enterprise, etc. At the same time, Tormin has obtained the certifications of ISO9001 : 2008 International Quality Management System, and certified by the National Coal Mine Safety Center, the State Luminaire Quality Supervision and Inspection Center, the State Fire-fighting Equipments Quality Supervision and Inspection Center, ATEX, CE&ROHS and other authorities.











The Company enjoys rich experiences in the planning and implementation of energy conservation projects in various plants, and has developed a number of energy-friendly illumination solutions for the domestic and overseas customers. Tormin provides a whole set of technical support, project design, installation and after-sales services for customers in the areas of electric power, metallurgy, petrochemical and coal mine etc.

With the aim of contributing to the nation and shaping a centennial brand, and upholding the tenet of win-win situation among customers, employees and the company, Zhejiang Tormin Electrical Co., Ltd is endeavouring to create an excellent platform for more and more elites who are to join Tormin, and commonly establish a first class illumination enterprise.
















Explosion-proof Mining Lights

 Model: DGS10/127L(A) DGS24/127L(A) DGS35/127L(A) DGS48/127L(A) Power: 10,24,35,48W	 Model: DGS45/127L(A) DGS60/127L(B) Power: 45W, 60W	 Model: DGS40/127L(B) DGS60/127L(B) Power: 40W, 60W	 Model: DGY18/36L(A) DGE18/48L(A) Power: 18W
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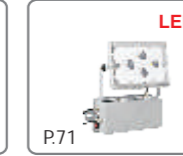

Fixed Explosion-proof Lights

 Model: BC5401 Series Power: 2 x 20W, 2 x 28W	 Model: BC9101 Series Power: 25,40,60,80W	 Model: BC9200 Series Power: 12W, 6W	 Model: BC9302 Series Power: 25W, 40W, 60W	 Model: BC9303 Series Power: 25W, 40W, 60W	 Model: BC9501 Series Power: 25W, 40W, 60W	 Model: BC9700 Series Power: 50-120W
 Model: BC9100 Series Power: 70W, 100W, 150W	 Model: BC9300 Series Power: 40,70,100,150W	 Model: BC9500 Series Power: 35,70,100,150W				

Fixed Professional Lights

 Model: ZY5301 Series Power: 10W, 25W, 40W	 Model: ZY8101 Series Power: 25,40,60,80W	 Model: ZY8102F Series Power: 60-400W	 Model: ZY8102S Series Power: 60-200W	 Model: ZY8301 Series Power: 25W, 40W, 60W	 Model: ZY8302 Series Power: 60,80,100,120W	 Model: ZY8501 Series Power: 60-120W
 Model: ZY8601 Series Power: 25W, 40W, 60W	 Model: ZY8702 Series Power: 60-200W	 Model: ZY8800 Series Power: 6W, 12W	 Model: ZY9710 Series Power: 50-120W	 Model: ZY8100 Series Power: 70W, 100W, 150W	 Model: ZY8200 Series Power: 250W, 400W	 Model: ZY8200/ZY8310 Power: 250, 400, 1000W
 Model: ZY8510A Series Power: 250W, 400W	 Model: ZY8521 Series Power: 1000W	 Model: ZY8600 Series Power: 40-150W				

Fixed Emergency Lights

 Model: BC9101A / B Emergency Power: 15W, 25W	 Model: BC9302A / B Emergency Power: 15W, 25W	 Model: BC9110A / B Emergency Power: 35W, 70W	 Model: ZY8101A / B Emergency Power: 15W, 25W	 Model: ZY8810, ZY8820 Emergency Power: 6W, 12W	 Model: ZY8110A / B Emergency Power: 35W, 70W
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Mobile Explosion-proof Lights

 Model: BW3210A-4 Power: 4x30W	 Model: BW3210 Power: 30W	 Model: ZW4100A ZW4100B	 Model: BW6200E Power: 3W	 Model: BW6210 Power: 3W	 Model: BW6310A / B Power: 1W, 3W	 Model: BW6610A Power: 3x3W
 Model: BW7101 Power: 3x3W	 Model: BW7300A / B Power: 1W, 3W	 Model: BW7500A / B / C Power: 1W, 3W, 5W				

Mobile Professional Lights

 Model: ZW3100B / C Power: 35W, 100W	 Model: ZW3320A / B / C Power: 35W, 45W, 100W	 Model: ZW35 Series Power: 2x1000, 4x1000W	 Model: ZW3500C, 3510C Power: 2x400, 2x1000W	 Model: ZW3520B Power: 2x150W	 Model: ZW3520C Power: 2x150W	 Model: ZW6220 Power: 3W
 Model: ZW7600 ZW7600A	 Model: ZW7610 Power: 3W	 Model: ZW7710, ZW7710A Power: 1W, 3W				

LED



IP65

-40 °C

+50 °C



Application

1. Approved for safe use in the explosive environment under the coal mine where the methane and the explosive dust exist.
2. It is the idea lighting solution for the underground tunnel in the underground chamber in the mining field.

Characteristics

- Its reflector is specially designed for the tunnel. At the height of 3.5meters, 24W can reach 35Lux, 48W can reach 80Lux. The light distribution distance is more than 15meters. It can save 65% on energy than the metal halide lamp.
- It adopts American CREE LED as light source, service life reach 100,000 hours
- Equipment with world famous brand electrical appliance, has a highly stable performance.
- The LED is seamless connected to the heat sink, which help to heat dissipating, ensured the LED'S life span.
- Supplied with stainless chain which have hooks on the end and the chain's length is adjustable.
- The anti corrosion, abrasion proof, power coated cover which is dust proof, water proof , make the lamp an excellent option for all kinds of high stress environment.

Main specification

Input Voltage	90~264VAC / 127~370VDC
Output Voltage	28VDC
Frequency	50 / 60Hz
Ingress Protection	IP65
Anti Corrosion Grade	WF2
Insulation Grade	I
Space Height Ratio	4
Screw Thread	G3/4"
Cable Diameter	8mm - 14mm
Dimension	424 × 177 × 77mm
Net Weight	4.1Kg

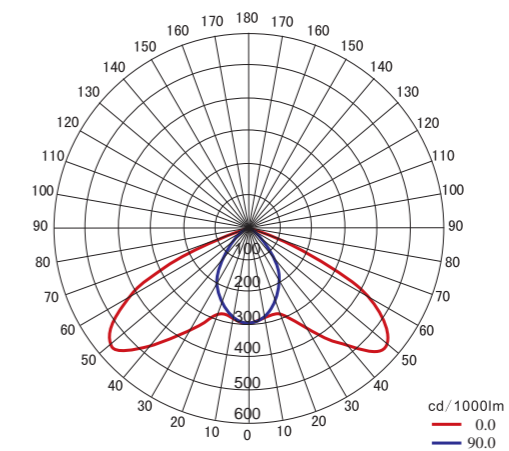
Ex Code: Ex d I
Standard: GB3836.1, GB3836.2, MT221



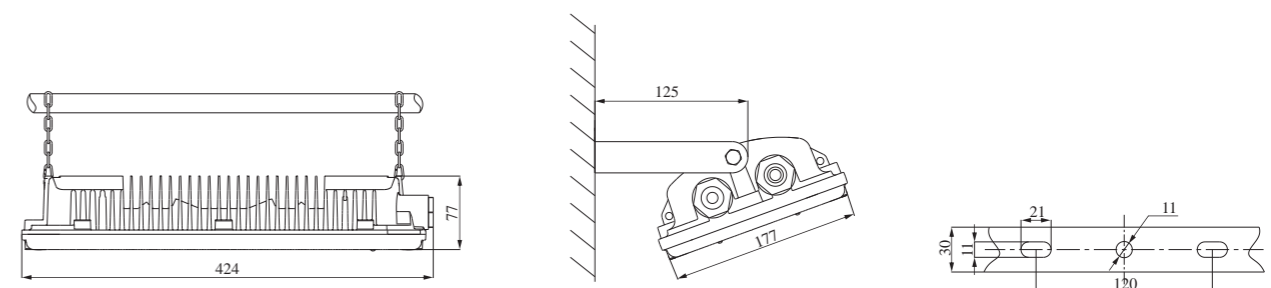
Ordering reference

Ordering Reference	Light Source	Rated wattage (W)	Light output (lm)	Equivalent to		
				Metal Halide Lamp	Electro less lamp	CFL
DGS10/127L(A)	LED	10	1,240	/	30W	40W
DGS24/127L(A)	LED	24	2,792	70W	60W	80W
DGS35/127L(A)	LED	35	4,620	100W	100W	120W
DGS48/127L(A)	LED	48	5,240	100~150W	120W	150W

Light distribution curve



Drawing of dimension (Dimensions in mm)



(G) (standard)

(B) (optional)

Mounting hole drawing

LED



IP66

-40 °C

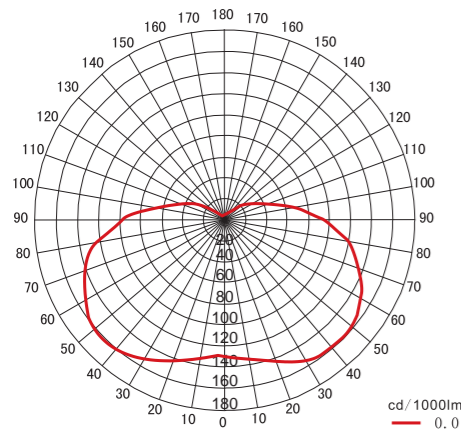
+50 °C



Ex Code: Ex d I
Standard: GB3836.1, GB3836.2, Mt221



Light distribution curve



Application

- 1) Approved for safe use in the explosive environment under the coal mine where the methane and the explosive dust exist.
- 2) It is the idea lighting solution for the underground working area tunnel or construction tunnel.

Characteristics

- The aluminium reflector with high gloss reflective finish and unique light distribution curve, enable the lamp to have different luminous effect on the ground, wall and the roof's different so that to efficiently use all the lights.
- It adopts American CREE LED as light source, can save 60% or more on energy than the metal halide lamp
- Equipped with world famous brand electrical appliance, ensuring the lamp have a stable performance.
- The housing is especially designed to dissipate heat, which increase the efficiency and lifespan of the LED, so that to ensure the 100,000 hours LED lifespan.
- Multiple mounting options: wall mounting, ceiling mounting, pendant mounting etc. This lamp can be connected in parallel
- The lamp is flame proof type of protection, Ex d I certified, for safe use in potentially coal mine explosive places.
- The anti corrosion, abrasion proof, power coated cover which is dust proof, water proof , make the lamp an excellent option for all kinds of high stress environment.

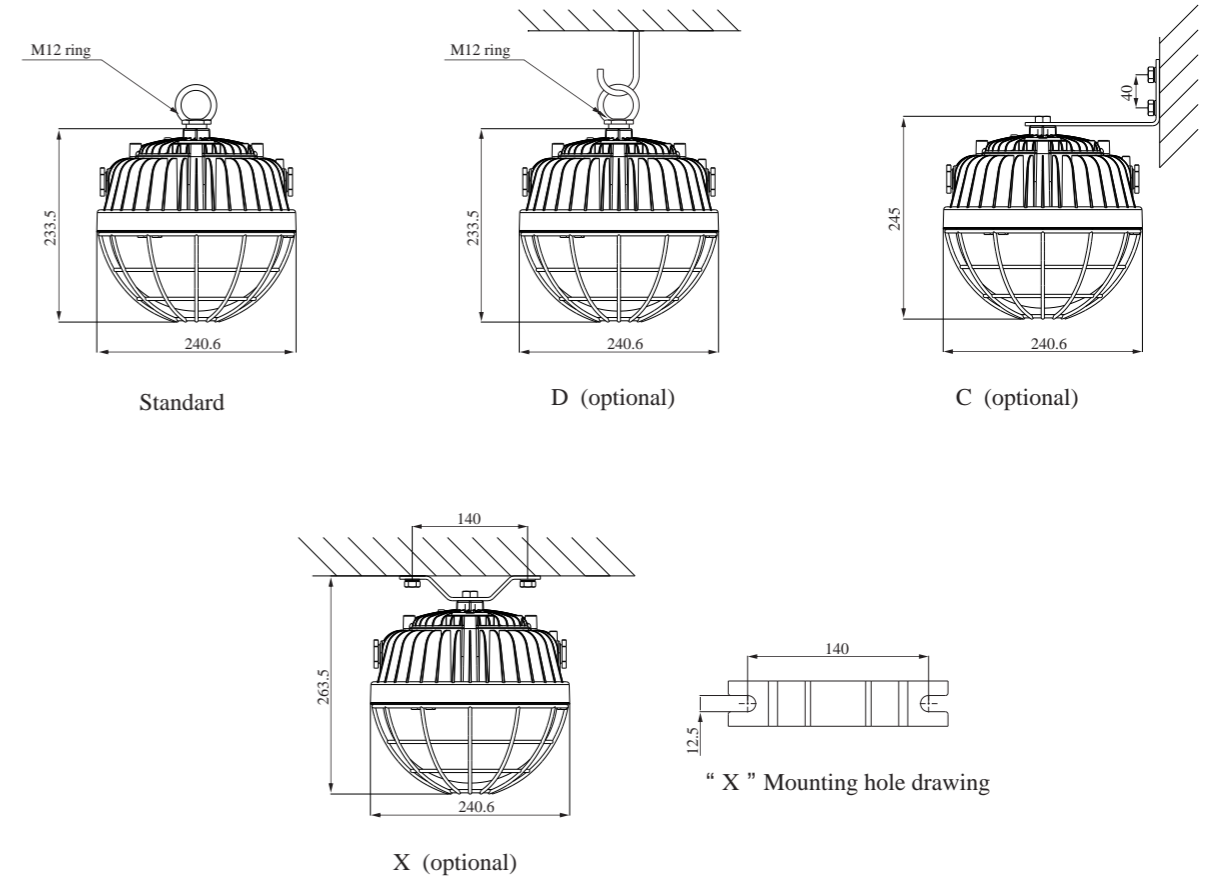
Main specification

Input Voltage	90~264VAC / 127~370VDC
Output Voltage	48VDC
Frequency	50Hz / 60Hz
Ingress Protection	IP66
Anti Corrosion Grade	WF2
Insulation Grade	I
Space Height Ratio	3.5
Thread	G3/4
Leading-in cable diameter	8mm~ 14mm
Dimension	240 × 233.5mm
Net Weight	5.2Kg

Ordering reference

Ordering Reference	Light Source	Rated wattage (W)	Light output (lm)	Equivalent to	
				Metal Halide Lamp	Electro less lamp
DGS45/127L(A)	LED	45	6,372	70~100W	85W
DGS60/127L(A)	LED	60	7,128	100W	100W

Drawing of dimension (Dimensions in mm)



LED



IP66

-40 °C

+50 °C



Application

It provides operators with a powerful and energy efficient spotlight for the flammable area such as the coal mine, indoor and outdoor work task, the monitoring spot and other devices.

Characteristics

- Beam Angle: 25 ° or 80 ° is available.
- The housing is especially designed to dissipate heat, which increase the efficiency and lifespan of the LED, so that to ensure the 100,000 hours LED lifespan.
- The locking device on the bracket will keep the lamp from shift or trembling when harsh vibration.
- It adopts American CREE LED as light source, can save 60% or more on energy than the metal halide lamp.
- Equipped with world famous brand electrical appliance, ensuring the lamp have a stable performance.
- The lamp is flame proof type of protection, designed for use in harsh environment or explosive application.

Main specification

Input Voltage	90~264VAC / 127~370VDC	
Output Voltage	38VDC	48VDC
Rated wattage	40W	60W
Frequency	50Hz / 60Hz	
Ingress Protection	IP66	
Anti Corrosion Grade	WF2	
Insulation Grade	I	
Thread	G3/4	
Leading-in cable diameter	8mm~ 14mm	
Dimension	180 × 243mm	
Net Weight	3.8Kg	

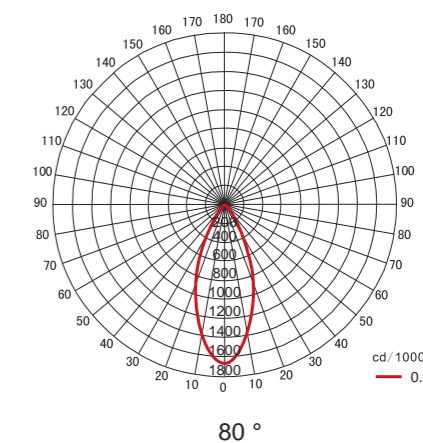
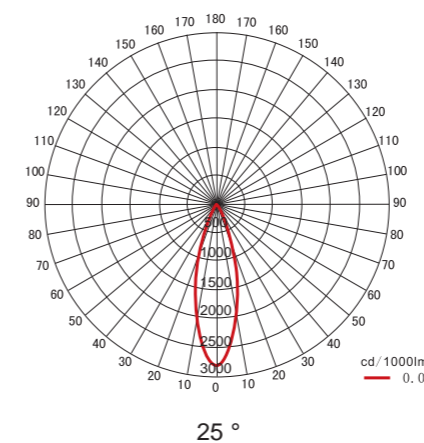
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Standard: GB3836.1, GB3836.2, Mt221



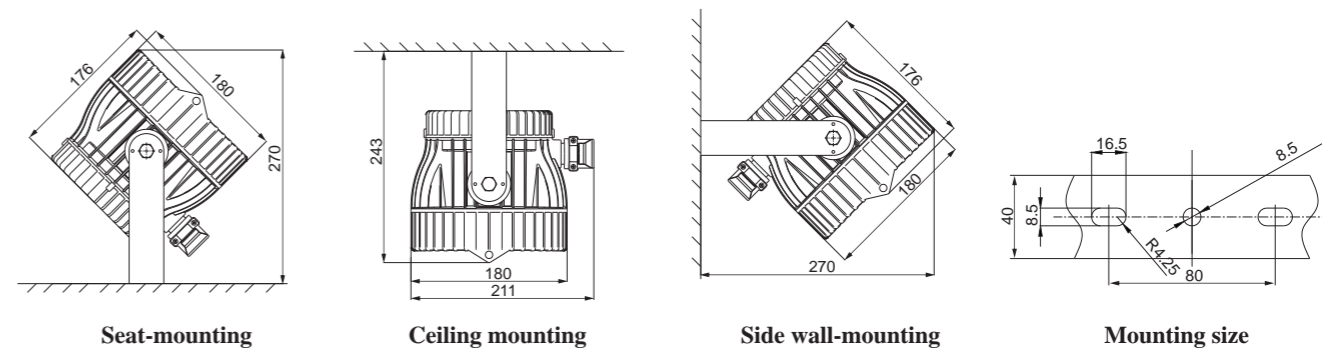
Ordering reference

Model Number	Beam Angle	Light source	Rated wattage (W)	Light output (lm)	Equivalent to		
					Metal Halide Lamp	Electrode less lamp	High pressure mercury lamp
DGS40/127L(B)-25 °	25 °	LED	40	5,508	100W	100W	125W
DGS40/127L(B)-80 °	80 °						
DGS60/127L(B)-25 °	25 °	LED	60	7,128	150W	135W	175W
DGS60/127L(B)-80 °	80 °						

Light distribution curve



Drawing of dimension (Dimensions in mm)



LED



IP66

-40 °C

+50 °C



Application

DGY18/48L(A) is approved to be safe used on the drill rig, the transportation equipment under the coal mine.

DGE18/48L(A) is approved to be safe used on the drill rig, the tunnelling assembly equipment under the coal mine.

Characteristics

- Equipped with world famous brand LED driver, ensuring the lamp have a stable performance.
- It adopts American CREE LED as light source, can save 60% or more on energy than the metal halide lamp
- The body is made of casting iron material, high intensity, able to withstand harsh impact expected from heavy industrial use.
- The lamp has a good electromagnetic compatibility performance, Which can avoid the interference to the other electrical appliance and electric power transmission network.
- The anti corrosion, abrasion proof, power coated cover which is dust proof, water proof , make the lamp an excellent option for all kinds of high stress environment.
- The lamp is flame proof type of protection, designed for use in harsh environment or explosive application.

Main specification

Input Voltage	18-43VAC or 18-55VDC
Rated Wattage	18W
Lux at 40 meters	18 Lux
Ingress Protection	IP66
Leading-in Cable Diameter	8mm - 14mm
Dimension	194 × 174 × 167mm
Net Weight	7Kg
Material	Casting Iron

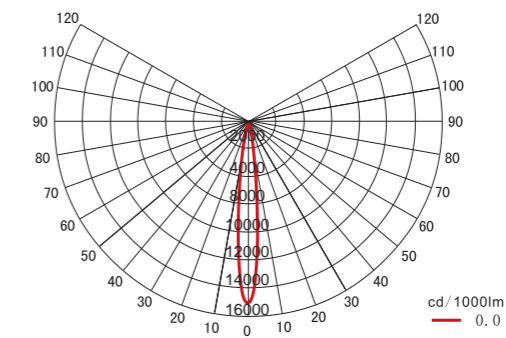
Ex Code: Ex d I Mb
Standard: GB3836.1, GB3836.2, MT221



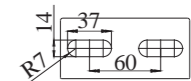
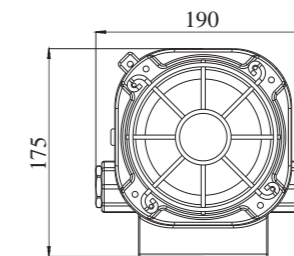
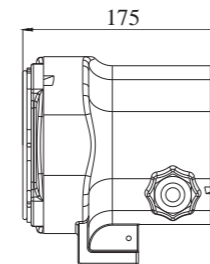
Ordering reference

Ordering Reference	Light Source	Rated wattage (W)	Light output (lm)	Equivalent to	
				Metal Halide Lamp	Electroless lamp
DGY18/36L(A)	LED	18	1,950	35W	30W
DGE18/48L(A)	LED	18	1,950	35W	30W

Light distribution curve



Drawing of dimension (Dimensions in mm)



Mounting Hole Drawing

LED



IP66

-40 °C

+50 °C



Application

- Can be widely used in petroleum, chemical, terminals, ports, aerospace, aviation, military, processing and other places.
- Harsh environment, moist area.
- Gas explosive environment : Group IIA, IIB, IIC
- Zone 1, Zone2; Zone 21, Zone 22
- Temperature class: T1 to T6

Characteristics

- Support parallel connected, no need to use the junction box, support ceiling, pole, wall mounting type.
- Equipped with world brand light source, electrical appliance.
- Products using flameproof increased safety structure, easy to install with separate wiring chamber, meet the latest requirements of explosion proof lighting, safe and reliable operation in explosive hazardous areas.
- Light housing made of aluminum alloy, high strength, stainless steel exposed fasteners not color, not rust, can prevent rain

Technical Specification

Model number	BC5401-L2 × 20	BC5401-Y2 × 28
Input voltage (V)	AC 100~240V	AC220~240V, AC110~130V
Rated voltage (V)	AC110V, AC115V, AC120V, AC127V AC220V, AC230V, AC240V	
Input frequency (Hz)	50/60	50/60
Rated power (W)	2 × 20	2 × 28
Light source	LED	T5 fluorescent lamp
Luminaire effect (lm/W)	> 90	> 70
Color temperature (K)	5300~6000	4000
Color rendering index (Ra)	> 70	> 70
Service life (h)	> 50000	> 20000
Ex code	II2GD Ex de IIC T6 Gb Ex tb IIIC T80 Db	
Anti corrosion grade	WF2	WF2
Protect grade	IP66	IP66
Factor	> 0.95	> 0.95
Total harmonic current	< 15%	< 15%
Housing highest surface temperature ()	< 80	< 80
Weight (kg)	12	12
Mounting angle	360 °	360 °

ATEX Ex Marking:

Ex 2 GD

Ex de B T6 Gb

Ex tb C T80 Db

Standard: GB3836.1, GB3836.2

EN60079-0:2009, EN60079-1:2007,

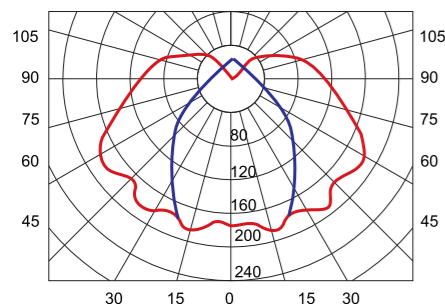
EN60079-31:2009

IEC60079-0:2007, IEC60079-1:2007,

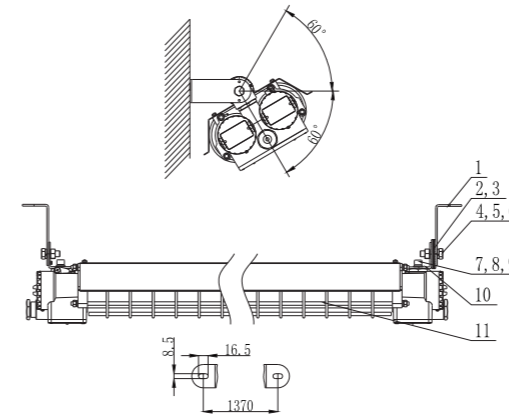
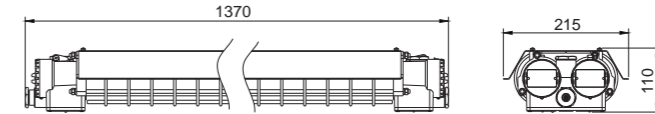
IEC60079-31:2008



Light distribution curve



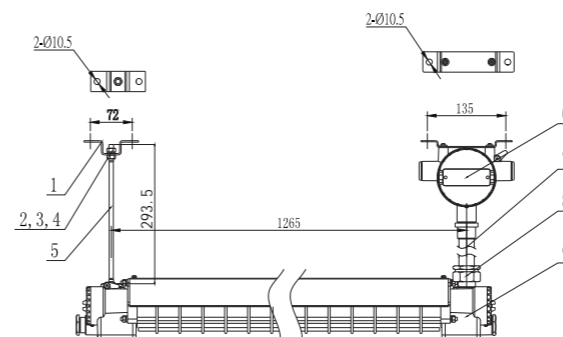
Drawing of dimension (Dimensions in mm)



Bracket mounting

Bracket mounting accessories list

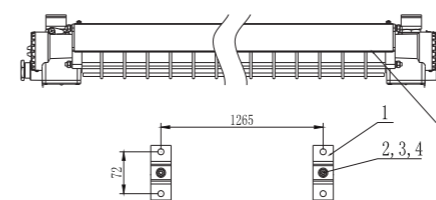
Number	Name	Qty	Number	Name	Qty
1	Side mount bracket	2	7	Hex cylinder head screw M8X20	2
2	Positioning plate	2	8	Spring washer 8	2
3	Philips countersunk head screw M4X6	2	9	Flat washer 8	2
4	Hex head screw M10X30	2	10	Side mount bracket 2	2
5	Spring washer 10	2	11	BC5401 explosion proof fluorescent lamp	1
6	Flat washer 10	2	12		



Pole mounting

Pole mounting accessories list

Number	Name	Qty	Number	Name	Qty
1	Bracket	1	6	Explosion proof junction box	1
2	Hex nut M8	2	7	Pole	2
3	Spring washer 8	2	8	Flat washer 8	2
4	Flat washer 8	2	9	BC5401 explosion proof fluorescent lamp	1
5	Double head pole	1			



Ceiling mounting

Ceiling mounting accessories list

Number	Name	Qty	Number	Name	Qty
1	Bracket	1	4	Flat washer 8	1
2	Hex cylinder head screw M8X20 M8X	2	5	BC5401 explosion proof fluorescent lamp	2
3	Spring washer 8	2	6		2

LED



IP66

-40 °C

+45 °C



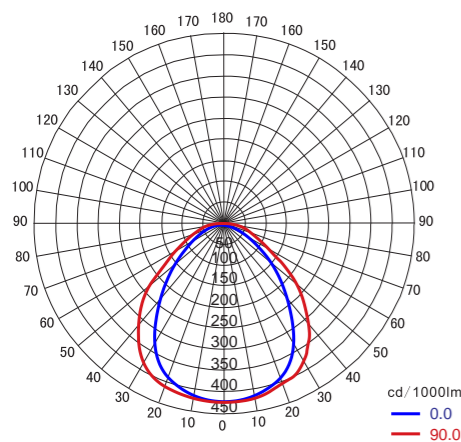
ATEX Ex Marking:

Ex 2 GD
Ex d B T6 Gb ,
Ex tb C T80 Db

Standard: GB3836.1, GB3836.2

EN60079-0: 2009, EN60079-1: 2007,
EN60079-31: 2009
IEC60079-0: 2007, IEC60079-1: 2007,
IEC60079-31: 2008

Light distribution curve



Application

- Ideal to be used in the oilfield, chemical industry, steel industry, power, port, Petroleum etc.
- Harsh environment, moist area.
- Gas explosive environment: Group IIA; IIB.
- Zone 1, Zone2; Zone 21, Zone 22.
- Temperature class: T1 to T6.

Characteristics

- With its reflector which have different angles design, it efficiently utilize the light. Have a good performance of illuminance uniformity, glare free, can avoid eyestrain to the worker.
- It adopts American CREE LED as light source, can save 60% or more on energy than metal halide lamp.
- The housing is especially designed to dissipate heat, which increase the efficiency and lifespan of the LED, so that to ensure the 100,000 hours LED lifespan.
- World top ranking Taiwan Meanwell LED Driver, power factor:0.98, has a highly stable performance.
- The adjustable locking device on the bracket can tightly fix the lamp to any desired angle, making the lamp resist to harsh vibration
- The anti corrosion, abrasion proof, power coated cover which is dust proof, water proof , make the lamp an excellent option for all kinds of high stress environment.
- Multiple mounting options including ceiling mounting, pendent mounting, wall mounting etc.
- The lamp can parallel connected , no need to use the junction box.
- 18~43VAC or 18~55VDC is optional for 25W and 40W as customer's requirement.

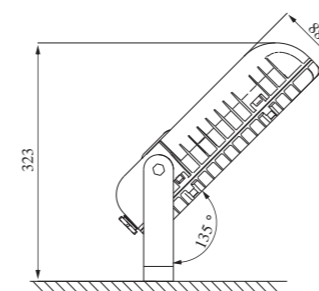
Technical Specification

Input Voltage	90~305VAC / 127~431VDC
Frequency	50Hz / 60Hz
Anti corrosion grade	WF2
Insulation Grade	I
Spacing height ratio	4.5
Screw Thread	G3/4
Cable Diameter	8mm~ 14mm
Dimension	370 × 326 × 88mm
Net Weight	6.5Kg

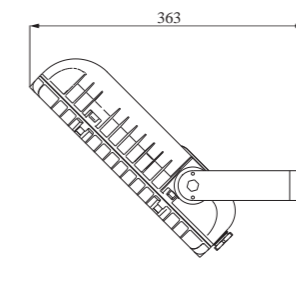
Ordering reference

Model Number	Input Voltage	Light source	Rated wattage (W)	Light output (lm)	Equivalent to			
					Metal Halide Lamp	Electrode Less Lamp	Energy Saving Lamp	High Pressure Mercury Lamp
BC9101-L25	90~305VAC or 127~431VDC	LED	25	3,300	70W	60W	80W	80W
BC9101-L40		LED	40	5,508	100W	100W	130W	125W
BC9101-L60		LED	60	8,138	150W	135W	180W	175W
BC9101-L80		LED	80	9,168	175W	165W	/	250W
Optional								
BC9101-L25-D	18~43VAC	LED	25	3,300	70W	60W	80W	80W
BC9101-L40-D	or 18~55VDC	LED	40	5,508	100W	100W	130W	125W

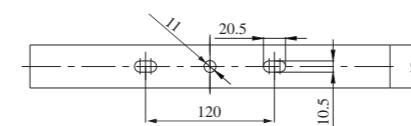
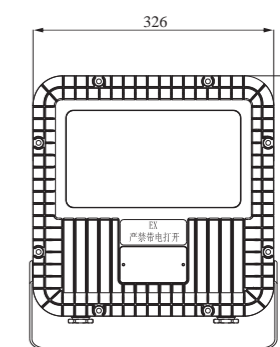
Drawing of dimension (Dimensions in mm)



Seat-mounting



Side wall-mounting



Mounting size

LED



IP65

-40 °C

+50 °C



Ex Code: Ex de II C T6
Standard: GB3836.1, GB3836.3
IEC60079-7:2007,MOD



Application

- Ideal to be used in the oilfield, chemical industry, steel industry, power, port, Petroleum etc.
- Harsh environment, moist area.
- Gas explosive environment: Group IIA; IIB.
- Zone 1, Zone2; Zone 21, Zone 22.
- Temperature class: T1 to T6.

Characteristics of performance

- Light Source: American CREE LED, save almost 90% on energy than the incandescent lamp and 60% on energy over the energy saving lamp.
- Long Service Life: with the average service life as long as 100,000 hours, maintenance free.
- Multi-voltage: 90 to 264VAC or 18 to 55VDC
- Feature: LED anti-dazzle lens, making the light more gentle, glare free. It will not cause weariness to the operators' eyes.
- The housing is made of aluminium alloy. With the surface electrostatic spraying treatment, it is anti corrosion.
- Multi-mounting options: Ceiling mounted, wall mounted etc.
- The PC transparency has a high light transmittance, perfect impact resistance, designed to withstand the harsh industrial applications.

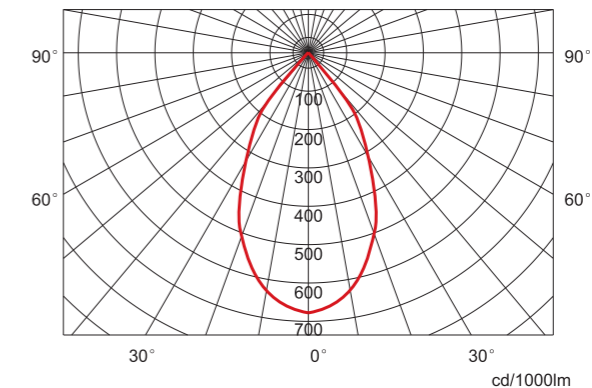
Main specification

Input Voltage	90~264VAC (18-43VAC / 18-55VDC optional)
Output Voltage	14VDC
Frequency	50Hz / 60Hz
Ingress Protection	IP65
Anti Corrosion Grade	WF2
Insulation Grade	I
Space Height Ratio	1.2
Leading-in cable diameter	6mm - 8mm
Dimension	147 × 140mm
Net Weight	1.3Kg

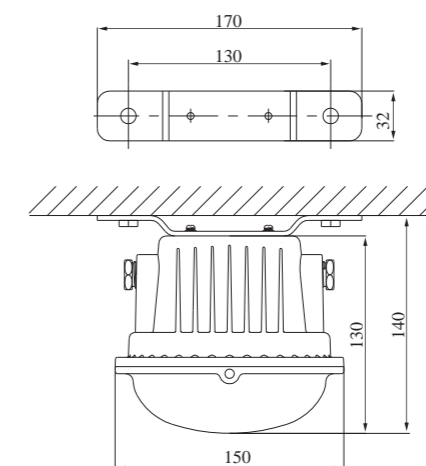
Ordering reference

Ordering Reference	Light Source	Rated wattage (W)	Light output (lm)	Equivalent to
				Compact fluorescent lamp
BC9200A	LED	4 × 3W	1,144	28W
BC9200B	LED	2 × 3W	572	18W

Light distribution curve



Drawing of dimension (Dimensions in mm)



LED



IP66

-40 °C

+50 °C



Pole mounting Ceiling mounting

ATEX Ex Marking:

Ex 2 GD

Ex d B T6 Gb ,
Ex tb C T80 Db

Standard: GB3836.1, GB3836.2

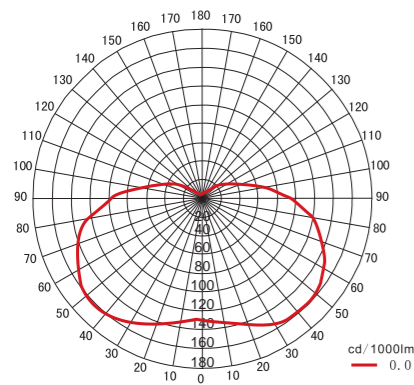
EN60079-0:2009, EN60079-1:2007,

EN60079-31:2009

IEC60079-0:2007, IEC60079-1:2007,

IEC60079-31:2008

Light distribution curve



Application

- Ideal to be used in the oilfield, chemical industry, steel industry, power, port, Petroleum etc.
- Harsh environment, moist area.
- Gas explosive environment : Group IIA, IIB, IIC
- Zone 1, Zone2; Zone 21, Zone 22
- Temperature class: T1 to T6

Characteristics

- With the unique light distribution design, make the light well-distributed. Its beam angel can reach 220 ° . It efficiently utilize the light. Have a good performance of illuminance uniformity, glare free, can avoid eyestrain to the worker.
- Equipped with American CREE LED as light source, can save 60% or more on energy than the metal halide lamp.
- Taiwan Meanwell LED driver, high efficiency, more stable performance.
- The housing is especially designed to dissipate heat. Besides, it uses the thermal transmission to accelerate the heat conduction which increase the efficiency and lifespan of the LED, so that to ensure the 100,000 hours LED lifespan.
- The lamp is made to the highest explosion proof protection grade: flame proof, so that ensure the lamp can safely used in all kinds of inflammable and explosive places.
- The anti corrosion, abrasion proof, power coated cover which is dust proof, water proof , make the lamp an excellent option for all kinds of high stress environment.
- 18~43VAC or 18~55VDC is optional for 25W and 40W as customer's requirement.

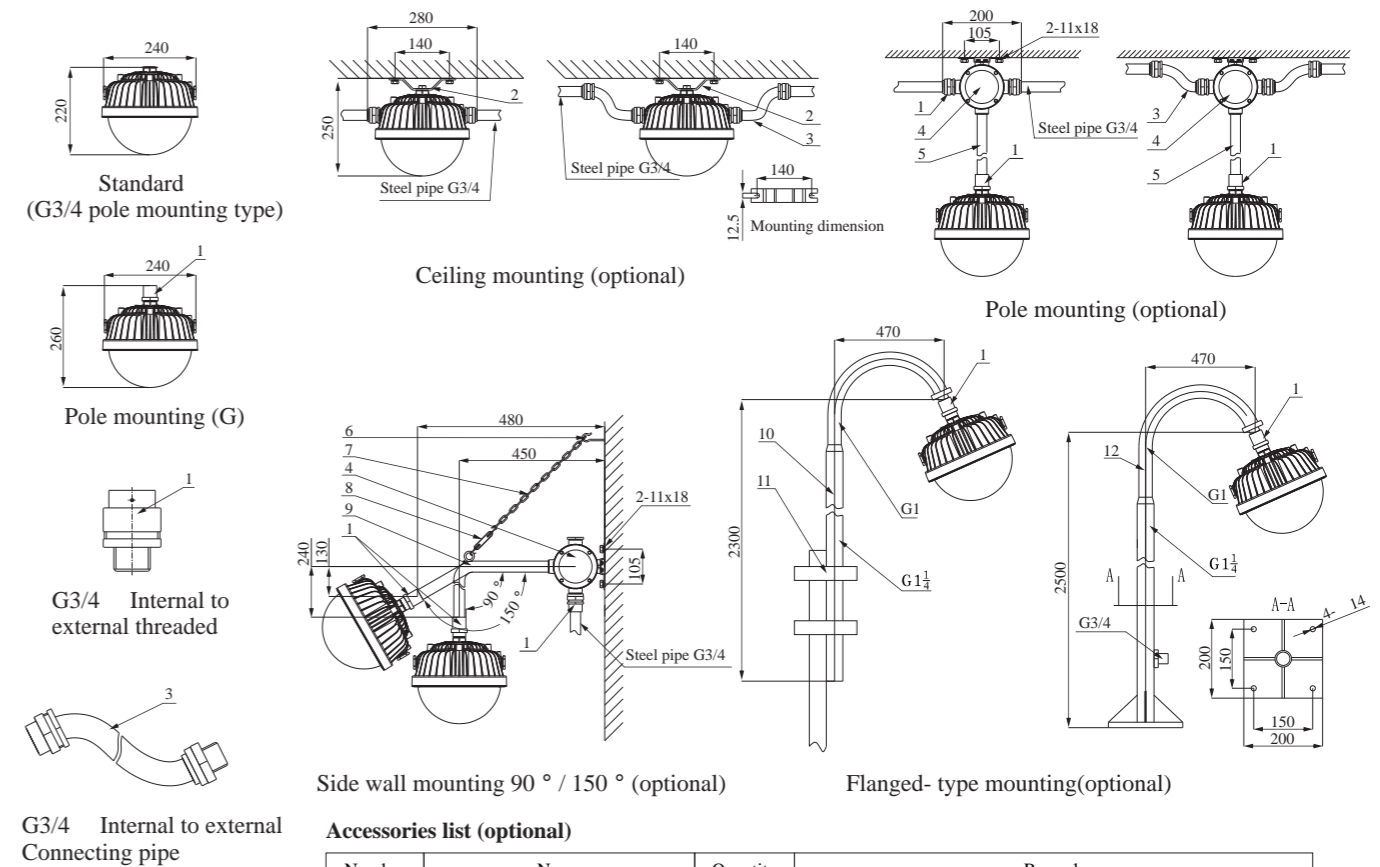
Technical Specification

Input Voltage	90~264VAC / 127~370VDC
Frequency	50Hz / 60Hz
Anti corrosion grade	WF2
Insulation Grade	I
Spacing height ratio	3.5
Screw Thread	G3/4
Cable Diameter	8mm~ 14mm
Dimension	240 × 220mm
Net Weight	5Kg

Ordering reference

Model Number	Input Voltage	Light source	Rated wattage (W)	Light output (lm)	Equivalent to			
					Metal Halide Lamp	Electrode Less Lamp	Energy Saving Lamp	High pressure mercury lamp
BC9302-L25	90~264VAC or 127~370VDC	LED	25	3,300	50~70W	50W	60W	80W
BC9302-L40		LED	40	5,508	100W	85W	120W	125W
BC9302-L60		LED	60	7,128	150W	120W	180W	175W
Optional								
BC9302-L25-D	18~43VAC or 18~55VDC	LED	25	3,300	50~70W	50W	60W	80W
BC9302-L40-D		LED	40	5,508	100W	85W	120W	125W

Drawing of dimension (Dimensions in mm)



Accessories list (optional)

Number	Name	Quantity	Remark
1	Explosion proof connector		G3/4 internal to external
2	Mounting bracket	1	
3	Connecting pipe	2	G3/4 internal to external
4	Explosion proof junction box	1	G3/4
5	G3/4 pole	1	The length in accordance with the request of the customer
6	Screw hook	1	
7	Chain	1	
8	Turn buckle	1	
9	G3/4 bend pipe	1	90 degrees and 150 degrees are optional
10	Light pole	1	
11	U-bolts	2	
12	Flanged type pole	1	

LED



IP66

-40 °C

+50 °C



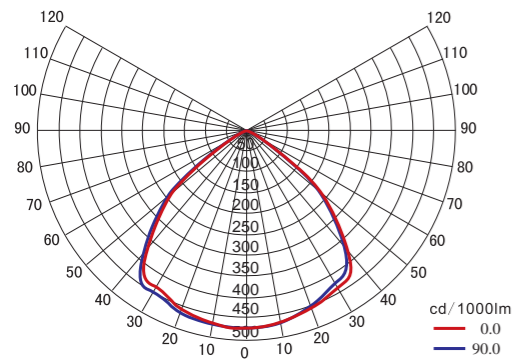
ATEX Ex Marking:

Ex d B T6 Gb ,
Ex tb C T80 Db

Standard: GB3836.1, GB3836.2

EN60079-0:2009, EN60079-1:2007,
EN60079-31:2009
IEC60079-0:2007, IEC60079-1:2007,
IEC60079-31:2008

Light distribution curve



Application

- Ideal to be used in the oilfield, chemical industry, steel industry, power, port, Petroleum etc.
- Harsh environment, moist area.
- Gas explosive environment : Group IIA, IIB, IIC
- Zone 1, Zone2; Zone 21, Zone 22
- Temperature class: T1 to T6

Characteristics

- The light distribution and its mounting types are especially designed for the platform.
- It adopts American CREE LED as light source, can save 60% or more on energy than the metal halide lamp.
- The housing is designed to dissipate heat, which increase the efficiency and the lifespan of the LED, so that to ensure the 100,000 hours led lifespan.
- Supplied with the world top ranking Taiwan Meanwell LED driver, ensure the lamp of high performance, more efficient.
- The anti corrosion, abrasion proof, power coated cover which is dust proof, water proof , make the lamp an excellent option for all kinds of high stress environment.
- 18~43VAC or 18~55VDC is optional for 25W and 40W as customer's requirement.

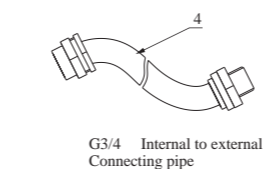
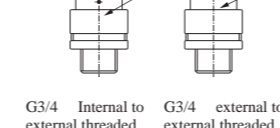
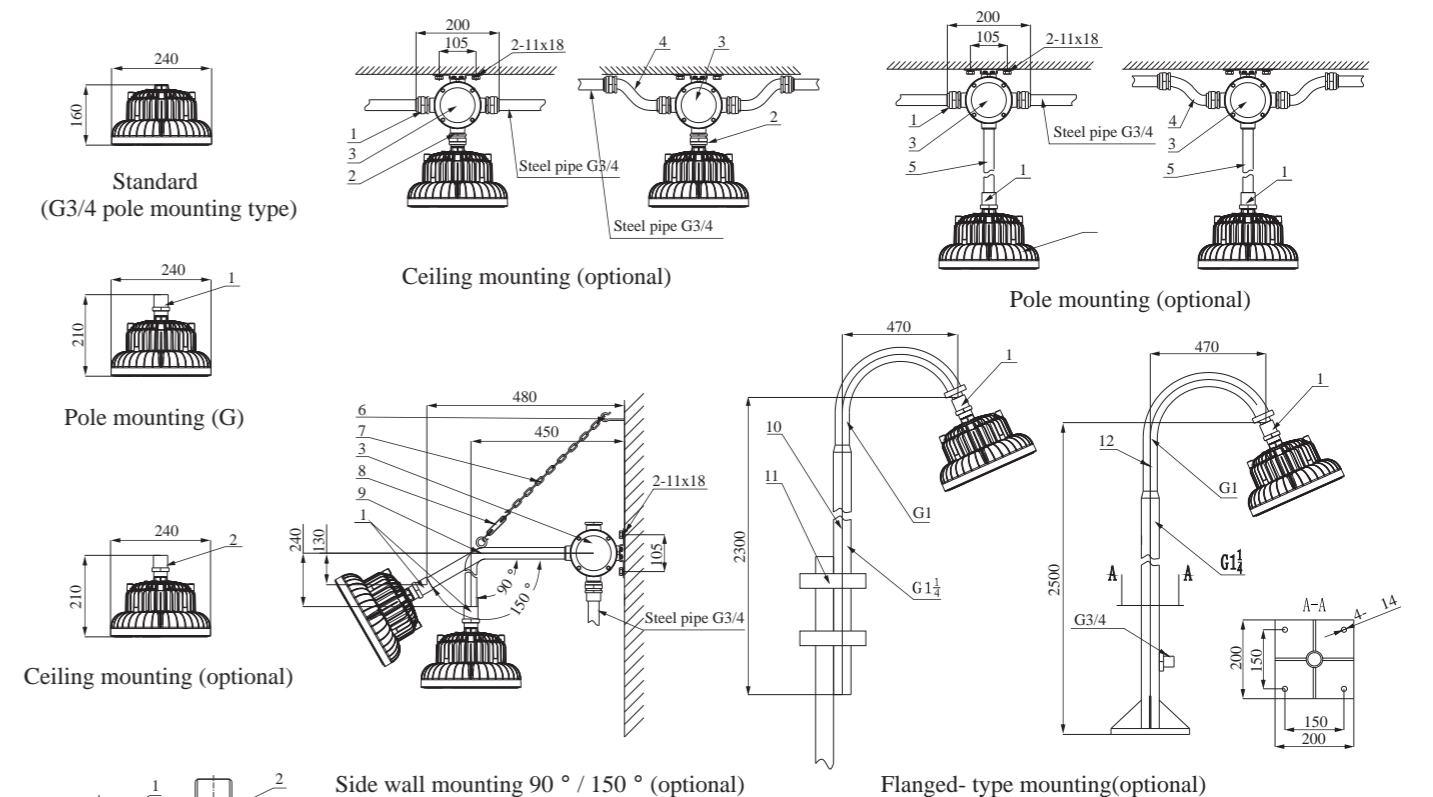
Technical Specification

Input Voltage	90~264VAC / 127~370VDC
Frequency	50Hz / 60Hz
Anti corrosion grade	WF2
Insulation Grade	I
Spacing height ratio	2
Screw Thread	G3/4
Cable Diameter	8mm~ 14mm
Dimension	240 x 160mm
Net Weight	4Kg

Ordering reference

Model Number	Input Voltage	Light source	Rated wattage (W)	Light output (lm)	Equivalent to			
					Metal Halide Lamp	Electrode Less Lamp	Energy Saving Lamp	High pressure mercury lamp
BC9303-L25	90~264VAC or 127~370VDC	LED	25	3,300	50~70W	50W	60W	80W
BC9303-L40		LED	40	5,508	100W	85W	120W	125W
BC9303-L60		LED	60	7,128	150W	120W	180W	175W
Optional								
BC9303-L25-D	18~43VAC or 18~55VDC	LED	25	3,300	50~70W	50W	60W	80W
BC9303-L40-D		LED	40	5,508	100W	85W	120W	125W

Drawing of dimension (Dimensions in mm)



Accessories list (optional)

Number	Name	Quantity	Remark
1	Explosion proof connector		G3/4 internal to external
2	Explosion proof connector		G3/4 external to external
3	Explosion proof junction box	1	G3/4
4	Connecting pipe		G3/4 internal to external
5	G3/4 pole	1	The length in accordance with the request of the customer
6	Screw hook	1	
7	Chain	1	
8	Turn buckle	1	
9	G3/4 bend pipe	1	90 degrees and 150 degrees are optional
10	Light pole	1	
11	U-bolts	2	
12	flanged type pole	1	

LED



IP66

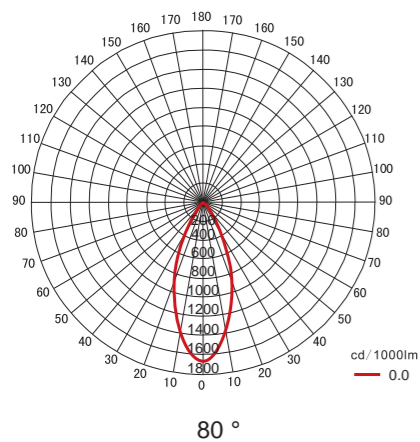
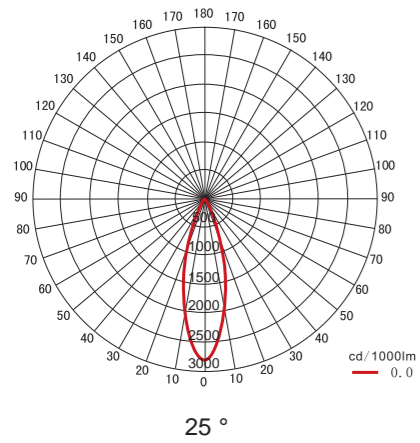
-40 °C

+50 °C



Ex Code: Ex d II C T6 Gb
Standard: GB3836.1, GB3836.2
IEC60079-1:2007,MOD

Light distribution curve



Application

- Ideal to be used in the oilfield, chemical industry, steel industry, power, port, Petroleum etc.
- Harsh environment, moist area.
- Gas explosive environment: Group IIA; IIB.
- Zone 1, Zone2; Zone 21, Zone 22.
- Temperature class: T1 to T6.

Characteristics

- Customer can choose the 25 ° or 80 ° as the beam angle according to the application.
- The housing is especially designed to dissipate heat, so that to prolong lifespan of the LED, ensure 100,000hours service life.
- The locking device on the bracket will keep the lamp from shift or trembling during harsh vibration.
- It adopts American CREE LED as light source, can save 60% or more on energy than the metal halide lamp.
- Equipped with Taiwan Meanwell top brand LED driver, ensuring the lamp have a stable performance.
- The anti corrosion, abrasion proof, power coated cover which is dust proof, water proof , make the lamp an excellent option for all kinds of high stress environment.
- The lamp is flame proof type of protection, designed to be used in all kinds of explosive application.
- 18~43VAC or 18~55VDC is optional for 25W and 40W as customer's requirement.

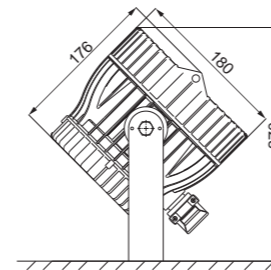
Technical Specification

Input Voltage	90~264VAC / 127~370VDC
Frequency	50Hz / 60Hz
Anti corrosion grade	WF2
Insulation Grade	I
Spacing height ratio	4.5
Screw Thread	G3/4
Cable Diameter	8mm~ 14mm
Dimension	370 × 326 × 88mm
Net Weight	6.5Kg

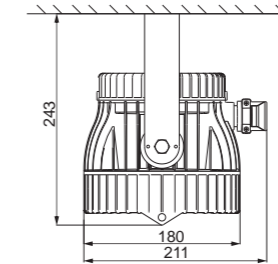
Ordering reference

Model Number	Beam Angle	Input Voltage	Light source	Rated wattage (W)	Light output (lm)	Equivalent to		
						Metal Halide Lamp	Electrode less lamp	High pressure mercury lamp
BC9501-L25-25 °	25 °	90~264VAC or 127~370VDC	LED	25	3,300	70W	60W	80W
BC9501-L25-80 °	80 °							
BC9501-L40-25 °	25 °		LED	40	5,508	100W	100W	125W
BC9501-L40-80 °	80 °							
BC9501-L60-25 °	25 °		LED	60	7,128	150W	135W	175W
BC9501-L60-80 °	80 °							
Optional								
BC9501-L25-25 ° -D	25 °	18~43VAC or 18~55VDC	LED	25	3,300	70W	60W	80W
BC9501-L25-80 ° -D	80 °							
BC9501-L40-25 ° -D	25 °		LED	40	5,508	100W	100W	125W
BC9501-L40-80 ° -D	80 °							

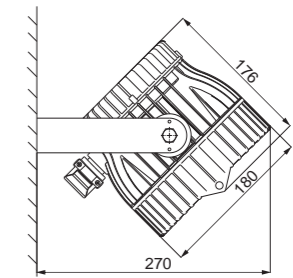
Drawing of dimension (Dimensions in mm)



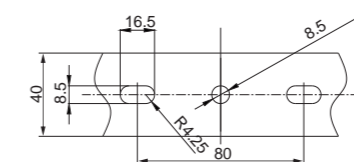
Seat-mounting



Ceiling mounting



Side wall-mounting



Mounting size

LED



IP66

-40 °C

+50 °C



Floodlight lens

Streetlight lens

ATEX Ex Marking:

Ex d C T5 or T6 Gb ,

Ex tb C T95 or T80 Db

Standard: GB3836.1, GB3836.2

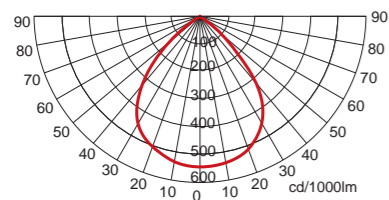
EN60079-0: 2009, EN60079-1: 2007,

EN60079-31: 2009

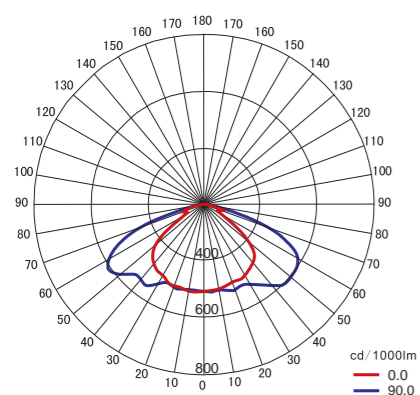
IEC60079-0: 2007, IEC60079-1: 2007,

IEC60079-31: 2008

Light distribution curve



Floodlight



Streetlight

Application

- Ideal to be used in the oilfield, chemical industry, steel industry, power, port, Petroleum etc.
- Harsh environment, moist area.
- Gas explosive environment : Group IIA, IIB, IIC
- Zone 1, Zone2; Zone 21, Zone 22
- Temperature class: T1 to T6

Characteristics

- Adopts America BridgeLux LED light source, can save 60% on energy than metal halide lamp.
- The blade-shape housing and heat sink on back cover ensure the lamp to efficiently dissipate heat so that prolong LED life.
- Taiwan Meanwell LED driver, power factor >0.98, more stable performance.
- Adjustable position-locking device on the bracket can tightly fix the lamp to any desired angle, keep the lamp from moving in harsh vibration area.
- The anti corrosion aluminum alloy body is powder coated, anti corrosion, dust proof, water proof. Suitable to be used in harsh environment.
- Flame proof type of protection, safe for use in all kinds of inflammable and explosive area.
- The lamp can parallel connected , no need to use the junction box.
- Beam angle: 90 ° (standard), 60 ° , 120 ° and streetlight beam angle is optional.

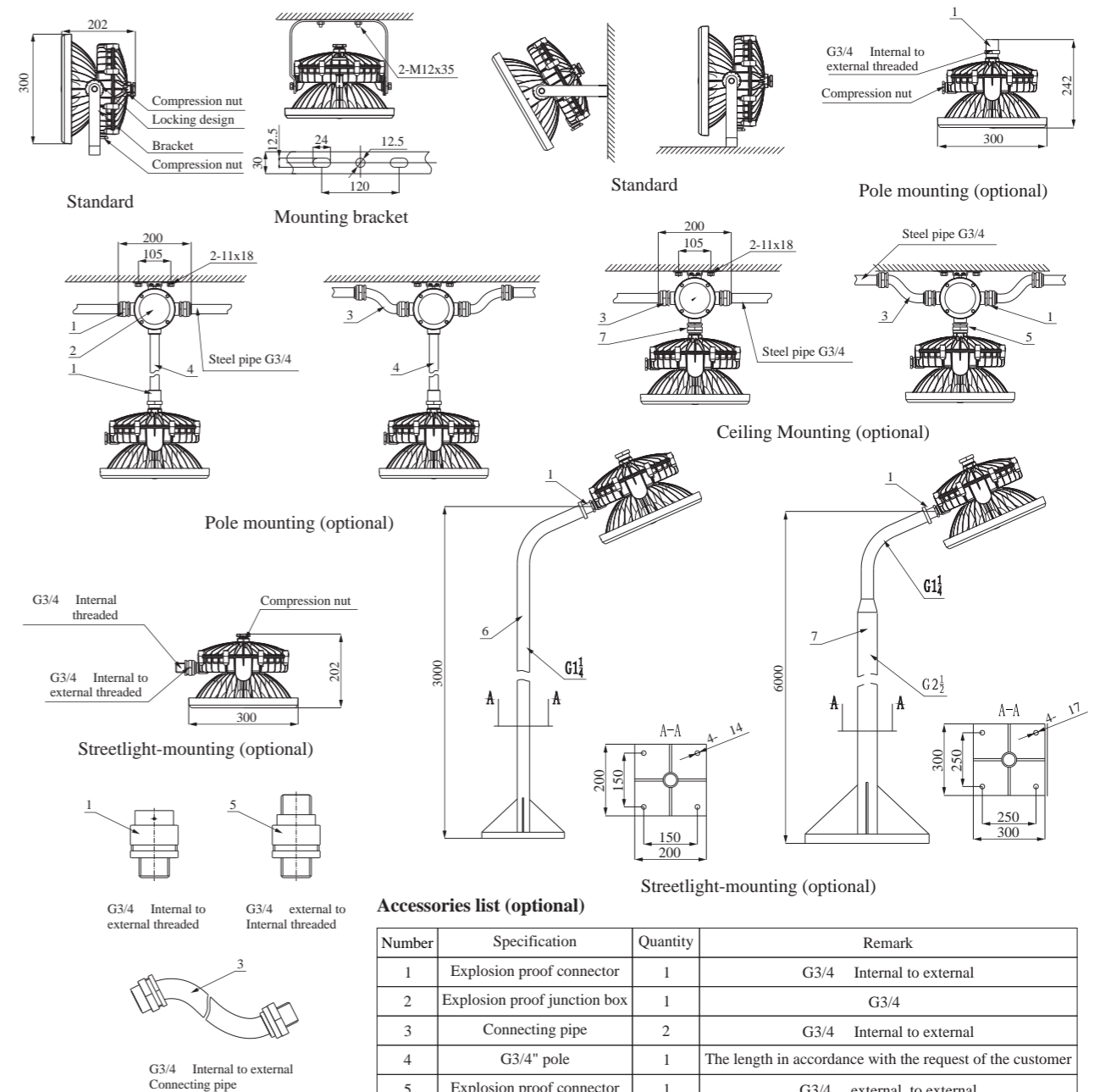
Technical Specification

Input Voltage	90~305VAC / 127~431VDC
Frequency	36VDC
Anti corrosion grade	50Hz / 60Hz
Insulation Grade	WF2
Spacing height ratio	I
Screw Thread	G3/4
Cable Diameter	8mm~ 14mm
Dimension	300 × 202 × 332mm
Net Weight	6.3Kg

Ordering reference

Model Number	Light Source	Rated wattage (W)	Light output (lm)	Temperature Class	Equivalent to		
					Metal halide lamp	Induction lamp	Mercury lamp
BC9700-L50	LED	50	>4,500	T6	100W	100W	125W
BC9700-L60	LED	60	>5,400	T6	150W	135W	175W
BC9700-L80	LED	80	>7,200	T6	175W	165W	250W
BC9700-L100	LED	100	>9,000	T6	250W	200W	250~400W
BC9700-L120	LED	120	>10,800	T5	250~400W	250W	400W

Drawing of dimension (Dimensions in mm)



Accessories list (optional)

Number	Specification	Quantity	Remark
1	Explosion proof connector	1	G3/4 Internal to external
2	Explosion proof junction box	1	G3/4
3	Connecting pipe	2	G3/4 Internal to external
4	G3/4" pole	1	The length in accordance with the request of the customer
5	Explosion proof connector	1	G3/4 external to external
6	Flange mounted type pole	1	3 meters
7	Street light pole	1	6 meters



IP65

-40 °C

+60 °C



E27



Explosion proof ballast box

Application

- Ideal to be used in the oilfield, chemical industry, steel industry, power, port, Petroleum etc.
- Harsh environment, moist area.
- Gas explosive environment : Group IIA, IIB.
- Zone 1, Zone2; Zone 21, Zone 22
- Temperature class: T1 to T6

Characteristics

- Equipped with international famous brand light source and electrical appliance, more stable performance and gives approximately 20% more light over the other manufacturer's.
- The average life span of the light source is more than 10000 hours. Therefore it is low maintenance .
- Two Explosion-proof cavities structure. The wiring cavity is separated from the main flameproof cavity, enhancing safety.
- Made of aluminium alloy, high strength. The spray coating treatment ensure the lamp waterproof, anti corrosion.

Ex Code: Ex de II B T6
Ex de II B T4

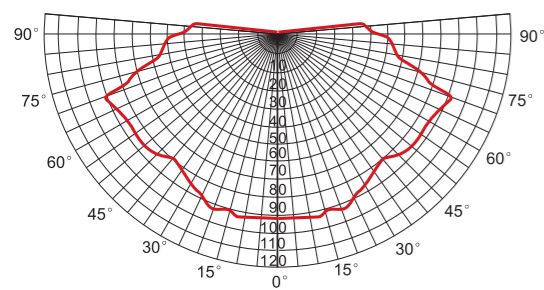
Standard: GB3836.1, GB3836.2, GB3836.3
IEC60079-1:2007,MOD
IEC60079-7:2006,MOD



Main specification

Input Voltage	220VAC 50Hz (110V 60Hz Option)
Ingress Protection	IP65
Anti Corrosion Grade	WF2
Insulation Grade	I
Space Height Ratio	2.6
Thread	G3/4"
Leading-in cable diameter	8mm - 10mm
Dimension	Lamp 400 × 266 × 170mm
	Ballast 340 × 220 × 88mm
Net Weight	Lamp 5Kg
	Ballast 5.2Kg

Light distribution curve

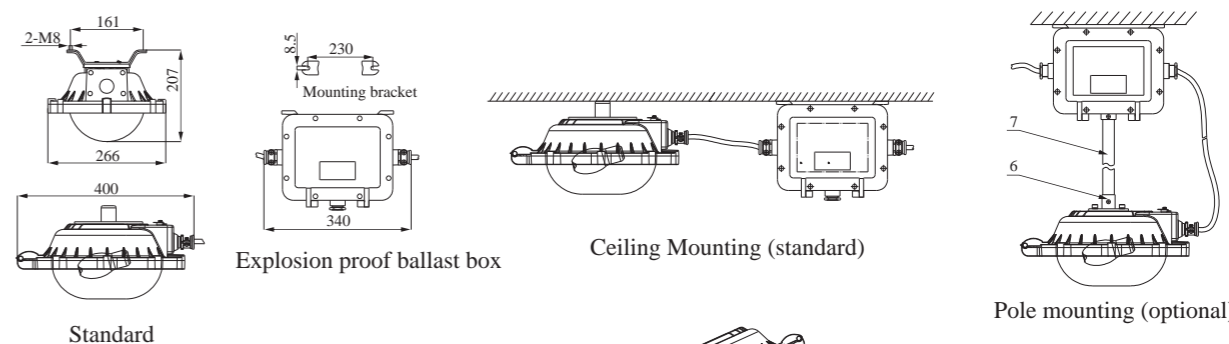


cd/1000lm

Ordering reference

Ordering Reference	Light Source	Rated wattage (W)	Light output (lm)	Lamp Average Life (h)	Temperature
BC9100-J70	Metal halide lamp	70	5,500	10,000	T6
BC9100-J100	Metal halide lamp	100	9,000	10,000	T4
BC9100-J150	Metal halide lamp	150	13,000	10,000	T4
BC9100-N70	High pressure sodium lamp	70	6,000	28,500	T6
BC9100-N100	High pressure sodium lamp	100	9,600	28,500	T4
BC9100-N150	High pressure sodium lamp	150	16,000	28,500	T4

Drawing of dimension (Dimensions in mm)

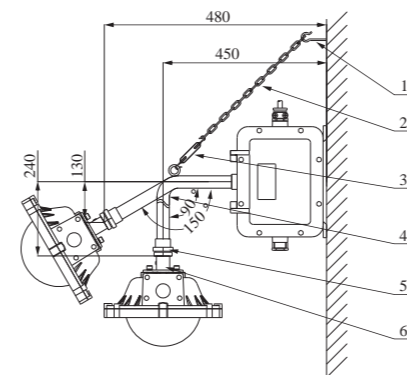


Standard

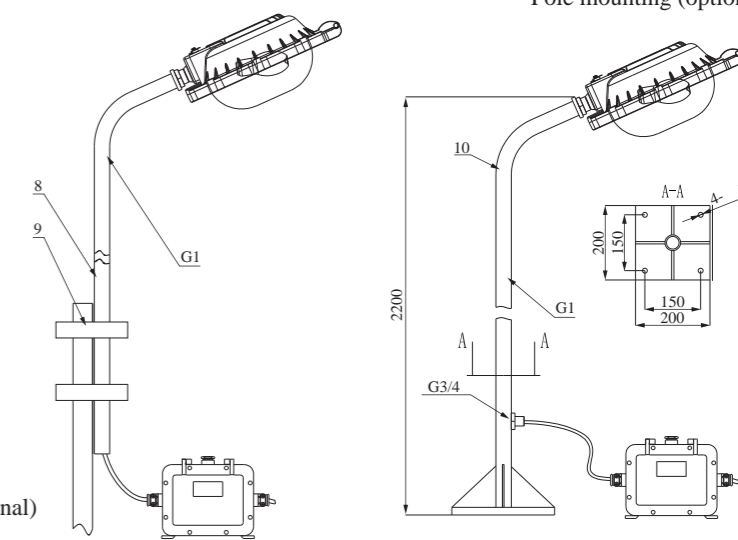
Explosion proof ballast box

Ceiling Mounting (standard)

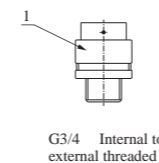
Pole mounting (optional)



Side wall mounting 90 ° / 150 ° (optional)



Streetlight-mounting (optional)



G3/4 Internal to external threaded

Accessories list (optional)

Number	Name	Quantity	Remark
1	Screw hook	1	
2	Chain	1	
3	Turn buckle	1	
4	G3/4 pole	1	90 degrees and 150 degrees are optional
5	Explosion proof connector	1	G3/4 internal to external
6	Mounting bracket	1	
7	G3/4 pole	1	The length in accordance with the request of the customer
8	Light pole	1	
9	U-bolts	2	
10	Flanged type pole	1	



IP65

-40 °C

+60 °C



E27

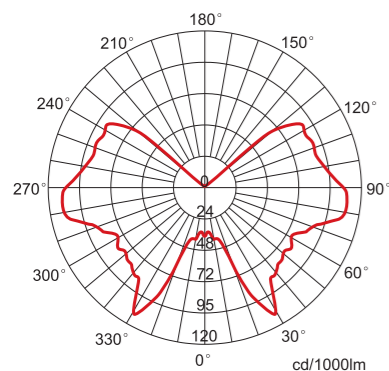


Explosion proof ballast box

Ex Code: Ex d II C T5
Ex d II C T4
Standard: GB3836.1, GB3836.2
IEC60079-1:2007,MOD



Light distribution curve



Application

- Ideal to be used in the oilfield, chemical industry, steel industry, power, port, Petroleum etc.
- Harsh environment, moist area.
- Gas explosive environment : Group IIA, IIB, IIC.
- Zone 1, Zone2; Zone 21, Zone 22
- Temperature class: T1 to T5

Characteristics

- World famous brand light source and electrical appliance, with stable performance. It can give more 20% light over the other manufacturers.
- The average service life of the bulb is over 10,000 hours .Therefore it is low maintenance.
- It uses dual-cavity explosion-proof design, making it safer in explosive and flammable places.
- The housing is made of aluminium alloy and have strong resistant to corrosion, water and dust, suitable to various harsh environments. The surface is subjected to the electro static treatment ,that enhance the anti corrosion performance.
- The protective guard is available.

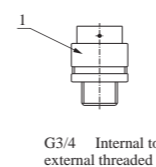
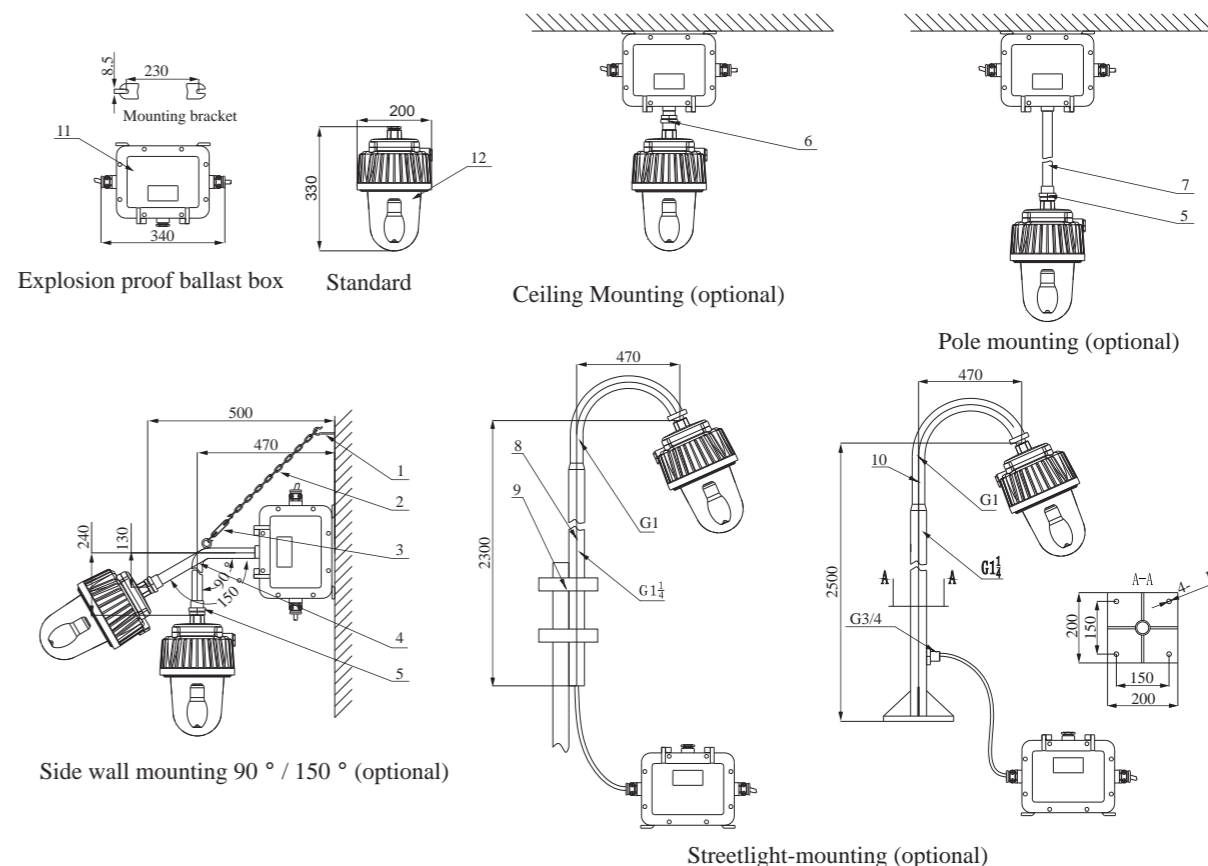
Main specification

Input Voltage	220VAC 50Hz (110V 60Hz Option)
Ingress Protection	IP65
Anti Corrosion Grade	WF2
Insulation Grade	I
Space Height Ratio	2.5
Thread	G3/4"
Leading-in cable diameter	8mm - 14mm
Dimension	Lamp 200 × 330mm
	Ballast 340 × 220 × 88mm
Net Weight	Lamp 5.2Kg
	Ballast 5.3Kg

Ordering reference

Ordering Reference	Light Source	Rated wattage (W)	Light output (lm)	Lamp Average Life (h)	Temperature
BC9300-J70	Metal halide lamp	70	5,500	10,000	T5
BC9300-J100	Metal halide lamp	100	9,000	10,000	T4
BC9300-J150	Metal halide lamp	150	13,000	10,000	T4
BC9300-N70	High pressure sodium lamp	70	6,000	28,500	T5
BC9300-N100	High pressure sodium lamp	100	9,600	28,500	T4
BC9300-N150	High pressure sodium lamp	150	16,000	28,500	T4

Drawing of dimension (Dimensions in mm)



Accessories list (optional)

Number	Name	Quantity	Remark
1	Screw hook	1	
2	Chain	1	
3	Turn buckle	1	
4	G3/4" pole	1	90 degrees and 150 degrees are optional
5	Explosion proof connector	1	G3/4" internal to external
6	Mounting bracket	1	
7	G3/4" pole	1	The length in accordance with the request of the customer
8	Light pole	1	
9	U-bolts	2	
10	Flanged type pole	1	



IP65

-40 °C

+60 °C



E27



Application

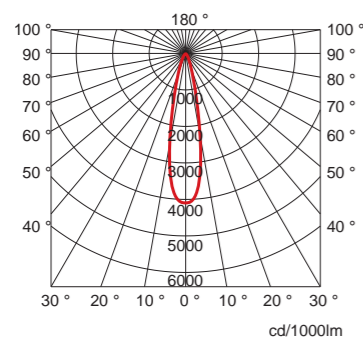
- Ideal to be used in the oilfield, chemical industry, steel industry, power, port, Petroleum etc.
- Harsh environment, moist area.
- Gas explosive environment : Group IIA, IIB, IIC.
- Zone 1, Zone2; Zone 21, Zone 22
- Temperature class: T1 to T6

Characteristics

- Light Source: Imported famous brand light source and ballast with high efficient long life span. The average service life of the bulb is over 10,000 hours. Low maintenance.
- World famous brand light source and electrical appliance, with stable performance. It can give more 20% light over the other manufacturers.
- Material: aluminium alloy, tempered glass.
- Surface treatment: electro static spraying treatment
- With strong resistant to corrosion. Water and dust, applicable to various harsh environments.

Ex Code: Ex d II C T5
Ex d II C T4
Standard: GB3836.1, GB3836.2
IEC60079-1:2007,MOD

Light distribution curve



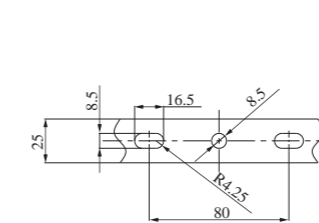
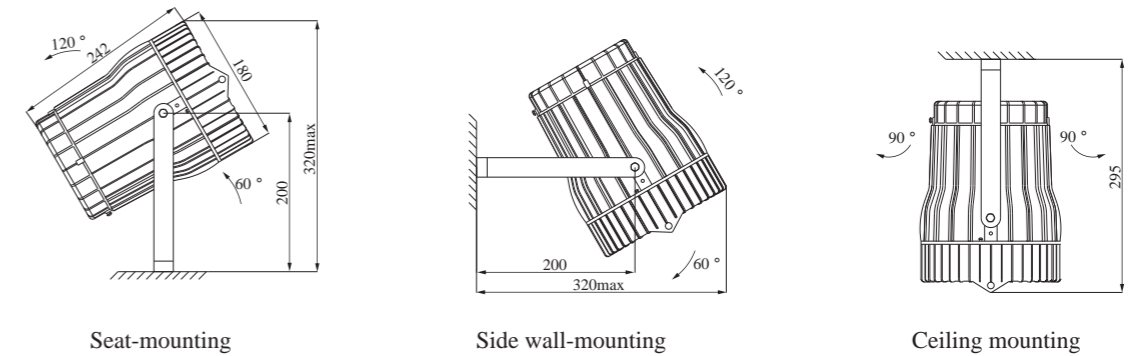
Main specification

Specification	Unit	BC9500
Rated Voltage	V	220VAC
Cable Diameter	Lamp	8~ 10
	Ballast box	8~ 10
Dimension	Lamp Head	180
	Length of Lamp Head	242
	Total Height	295
Weight	Lamp	3.8
	Ballast box	4.2

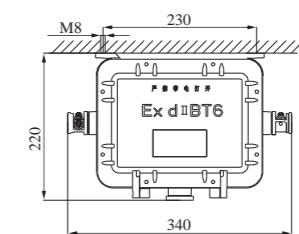
Ordering reference

Ordering Reference	Light Source	Rated wattage (W)	Rated Voltage	Luminous Flux (lm)	Lamp Average Life (h)	Temperature
BC9500-J70	Metal halide lamp	70	220VAC	5,500	10,000	T5
BC9500-J100	Metal halide lamp	100	220VAC	9,000	10,000	T4
BC9500-J150	Metal halide lamp	150	220VAC	13,000	10,000	T4

Drawing of dimension (Dimensions in mm)

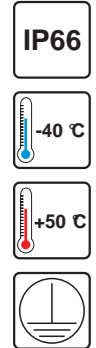


Lamp mounting bracket



Explosion proof ballast box

LED



Application

It is an ideal lighting solution for the factory, station, tunnel, control room, transformer room and some other indoor places with low bay roof.

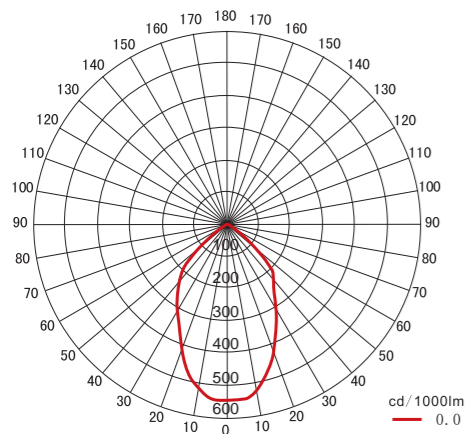
Characteristics

- The unit efficiently utilize the light, utilization rate can reach 97%. Besides, it has a good performance of illuminance uniformity, glare free, can avoid eyestrain to the worker.
- Vane type structure housing accelerate the heat dissipation, so that to ensure the LED service life.
- It adopts American CREE LED as light source, can save 60% or more on energy than the metal halide lamp
- Equipped with world top ranking brand electrical appliance, make the lamp's performance more stable and efficient.
- The unit have excellent electromagnetic compatibility, will not cause interference to the other device or the electric power transmission network.
- The anti corrosion, abrasion proof, power coated cover which is dust proof, water proof , make the lamp an excellent option for all kinds of high stress environment.
- 10W、25W with input voltage 18~43VAC / 18~55VDC is available.

Main specification

Input Voltage	90~264VAC / 127~370VDC
Output Voltage	24VDC
Frequency	50Hz / 60Hz
Ingress Protection	IP66
Anti Corrosion Grade	WF2
Insulation Grade	I
Space Height Ratio	2
Leading-in cable diameter	6mm - 8mm
Dimension	240 × 65mm
Net Weight	1.4Kg

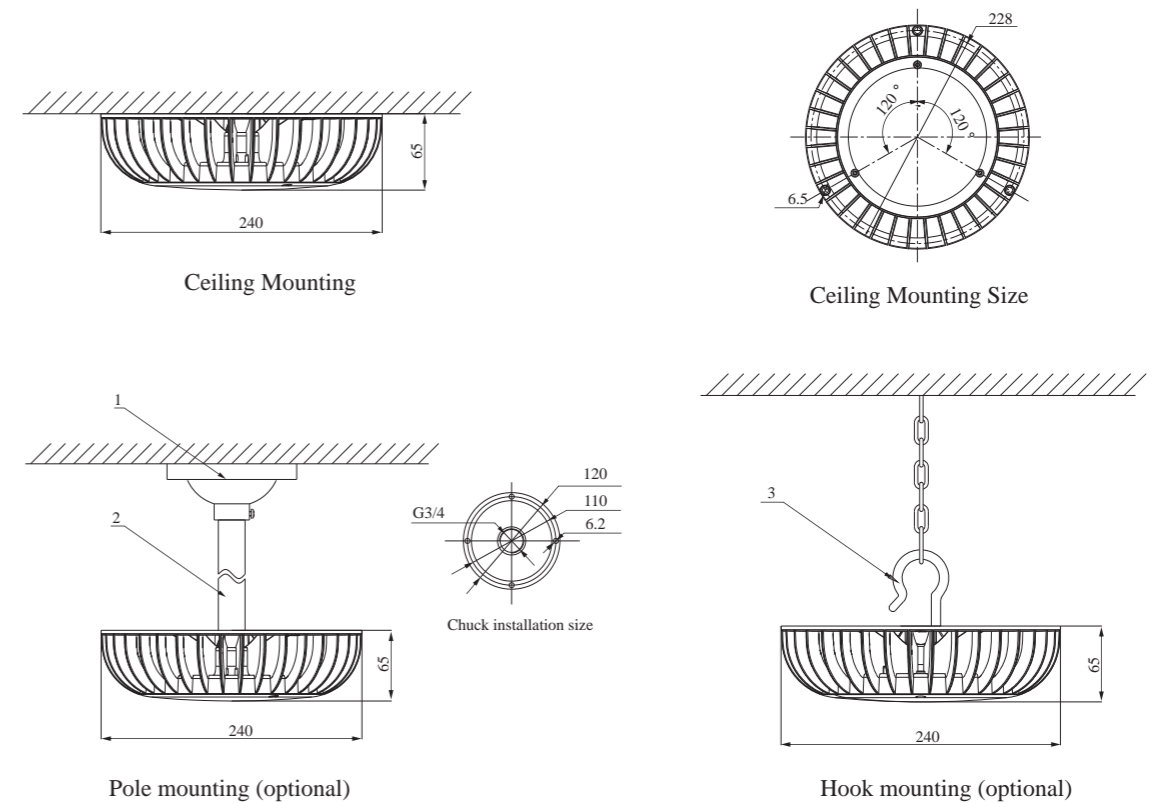
Light distribution curve



Ordering reference

Model Number	Input Voltage	Light source	Rated wattage (W)	Light output (lm)	Equivalent to			
					Metal Halide Lamp	Electrode Less Lamp	Energy Saving Lamp	Fluorescent lamp
ZY5301-L10	90~264VAC or 127~370VDC	LED	10	1,356	/	30W	36W	1 × 36W
ZY5301-L25		LED	25	3,378	70W	60W	2 × 36W	2 × 36W
ZY5301-L40		LED	40	4,890	100W	100W	120W	2 × 36W
Optional								
ZY5301-L10-D	18~43VAC or 18~55VDC	LED	10	1,356	/	30W	36W	1 × 36W
ZY5301-L25-D		LED	25	3,378	70W	60W	2 × 36W	2 × 36W

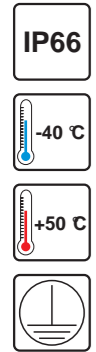
Drawing of dimension (Dimensions in mm)



Accessories list (optional)

Number	Name	Quantity	Remark
1	Chuck	1	G3/4
2	G3/4 pole	1	The length in accordance with the request of the customer
3	Hook	1	

LED



Application

It is an ideal lighting solution for the factory, station, tunnel, control room, transformer room and some other indoor places with low bay roof.

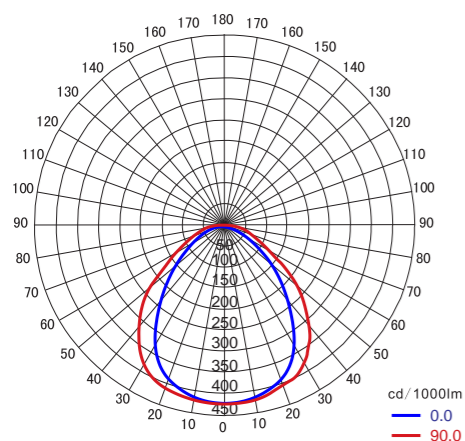
Characteristics

- With its reflector which have different angles design, it efficiently utilize the light. Have a good performance of illuminance uniformity, glare free, can avoid eyestrain to the worker.
- It adopts American CREE LED as light source, can save 60% or more on energy than the metal halide lamp.
- Efficient radiator effective solve the LED light failure caused by temperature rising, so as to ensure that LED life up to 100,000hrs.
- Equipped with world top ranking brand, Taiwan Meanwell electrical appliance with power factor 0.98, make the lamp's performance more stable and efficient.
- The locking device on the bracket will keep the lamp from shift or trembling during harsh vibration.
- The housing adopts high-tech surface spraying technology, abrasion resistance corruption, waterproof, dustproof, suitable to be used in all kinds of environments.
- 25W、40W with input voltage 18~43VAC / 18~55VDC is available.

Main parameter

Input Voltage	90~305VAC / 127~431VDC
Output Voltage	42VDC
Frequency	50Hz / 60Hz
Ingress Protection	IP66
Anti Corrosion Grade	WF2
Insulation Grade	I
Space Height Ratio	4.5
Leading-in cable diameter	6mm - 8mm
Dimension	300 × 300 × 75mm
Net Weight	4.7Kg

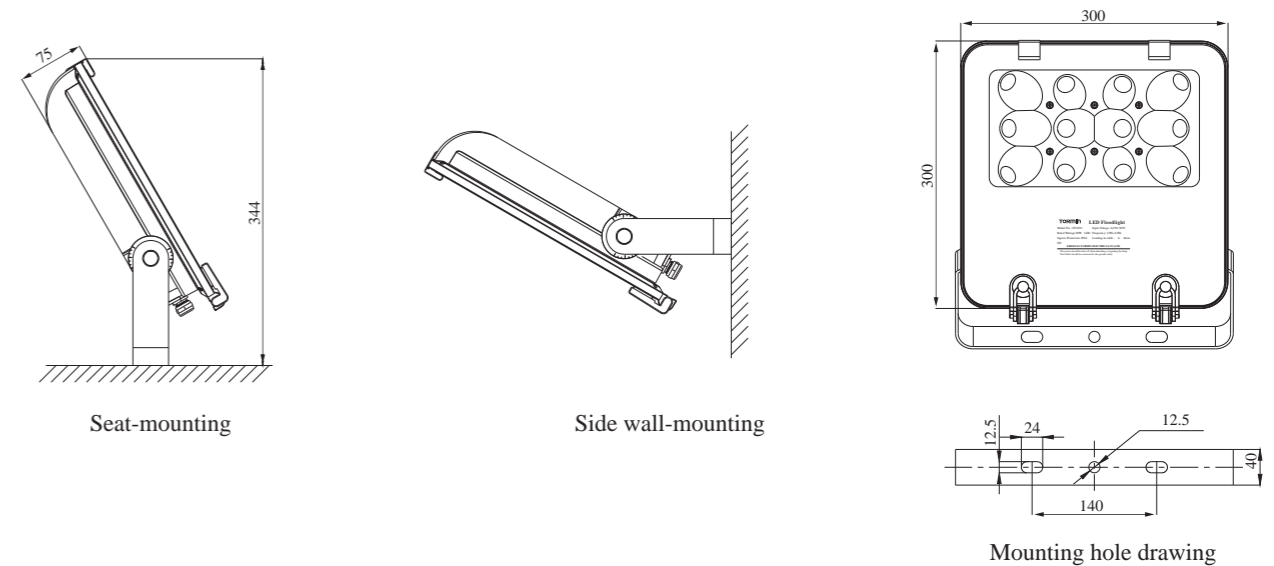
Light distribution curve



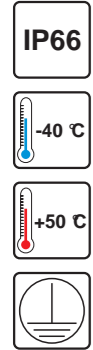
Ordering reference

Model Number	Input Voltage	Light source	Rated wattage (W)	Light output (lm)	Equivalent to			
					Metal Halide Lamp	Electrode Less Lamp	Energy Saving Lamp	Mercury lamp
ZY8101-L25	AC90~305V or DC127~431V	LED	25	3,300	70W	60W	80W	80W
ZY8101-L40		LED	40	5,508	100W	100W	130W	125W
ZY8101-L60		LED	60	8,138	150W	135W	180W	175W
ZY8101-L80		LED	80	9,168	175W	165W	/	250W
Optional								
ZY8101-L25-D	AC18~43V or DC18~55V	LED	25	3,300	70W	60W	80W	80W
ZY8101-L40-D		LED	40	5,508	100W	100W	130W	125W

Drawing of dimension (Dimensions in mm)



LED



Application

It is an idea lighting solution for the factory, station, tunnel, control room, transformer room etc.

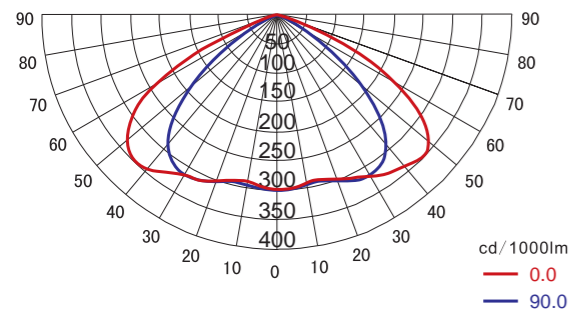
Characteristics

- Out of consideration of the difficulty of road lighting replacement, the company developed a unique cooling system modules, an effective solution to the problem of LED light failure caused due to high temperature to ensure high efficiency light source with 100,000 hours of life.
- The even light distribution can avoid the shadow area between the two streetlights. It is glare free. And has a pure white light.
- It adopts American CREE LED as light source, can save 60% or more on energy than the metal halide lamp.
- Equipped world top ranking brand, Taiwan Meanwell electrical appliance with power factor 0.98, make the lamp's performance more stable and efficient.
- Specially designed light lid, easy maintenance
- The shell adopts high-tech surface spraying technology, abrasion resistance and resistance to corrosion, waterproof, dustproof, applicable to all kinds of environments
- Mounting: bracket

Main specification

Input Voltage	90-305VAC
Frequency	50Hz / 60Hz
Ingress Protection	IP66
Anti Corrosion Grade	WF2
Leading-in cable diameter	6mm~ 8mm

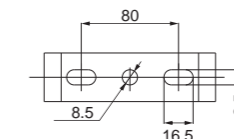
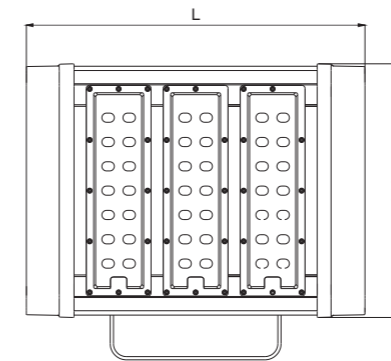
Light distribution curve



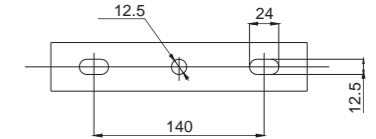
Ordering reference

Ordering Reference	Light Source	Rated wattage (W)	Light output (lm)	Dimension (mm)	Net Weight (Kg)	Average Service Life (h)
ZY8102F-L60	LED	60	8,194	322(L) × 363 × 150	5.2	100,000
ZY8102F-L80	LED	80	9,737	322(L) × 363 × 150	5.2	100,000
ZY8102F-L100	LED	100	10,785	322(L) × 363 × 150	5.2	100,000
ZY8102F-L120	LED	120	14,605	417(L) × 363 × 150	6.2	100,000
ZY8102F-L150	LED	150	16,178	417(L) × 363 × 150	6.2	100,000
ZY8102F-L180	LED	180	20,193	512(L) × 363 × 150	7.2	100,000
ZY8102F-L200	LED	200	21,571	512(L) × 363 × 150	7.2	100,000
ZY8102F-L300	LED	300	32,356	702(L) × 363 × 150	9.2	100,000
ZY8102F-L400	LED	400	43,142	892(L) × 363 × 150	11.2	100,000

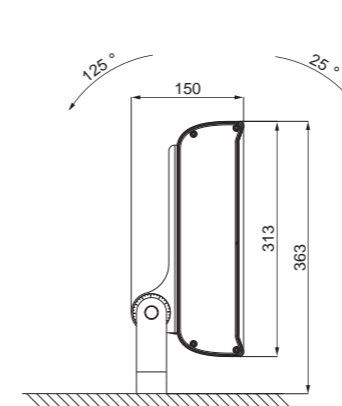
Drawing of dimension (Dimensions in mm)



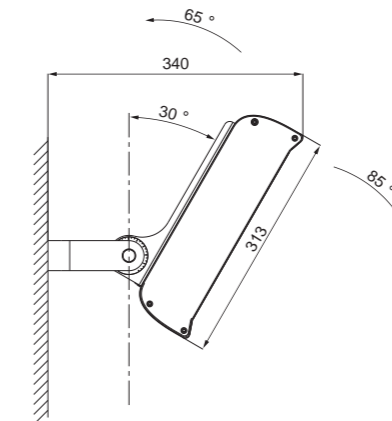
Mounting Holes
60W , 80W , 100W



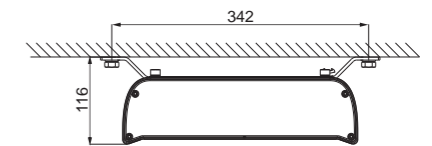
Mounting Holes
120 , 150W , 180W , 200W , 300W , 400W



Seat-mounted



Sidewall-mounted



Ceiling-mounted

LED

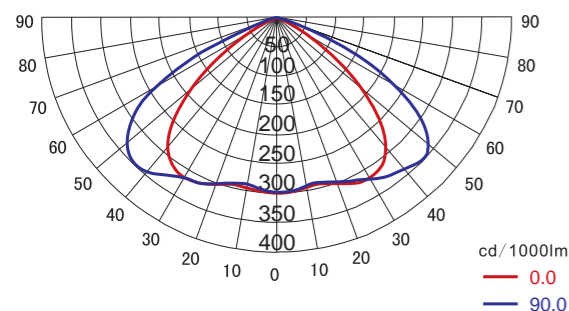
IP66

-40 °C

+50 °C



Light distribution curve



Application

It is an idea lighting solution for the highway and urban roads tunnel, the factory, station, control room, transformer room etc.

Characteristics

- Out of consideration of the difficulty of road lighting replacement, the company developed a unique cooling system modules, an effective solution to the problem of LED light failure caused due to high temperature to ensure high efficiency light source with 100,000 hours of life.
- The even light distribution can avoid the shadow area between the two streetlights. It is glare free. And has a pure white light.
- It adopts American CREE LED as light source, can save 60% or more on energy than the metal halide lamp.
- Equipped world top ranking brand, Taiwan Meanwell electrical appliance with power factor 0.98, make the lamp's performance more stable and efficient.
- Specially designed light lid, easy maintenance
- The shell adopts high-tech surface spraying technology, abrasion resistance and resistance to corrosion, waterproof, dustproof, applicable to all kinds of environments
- Mounting: bracket

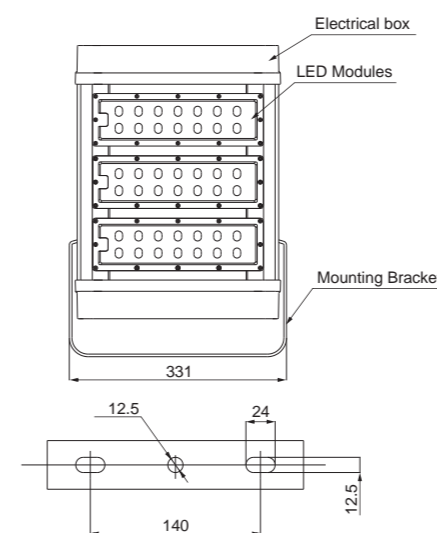
Main specification

Input Voltage	90-305VAC
Frequency	50Hz / 60Hz
Ingress Protection	IP66
Anti Corrosion Grade	WF2
Leading-in cable diameter	6mm~ 8mm

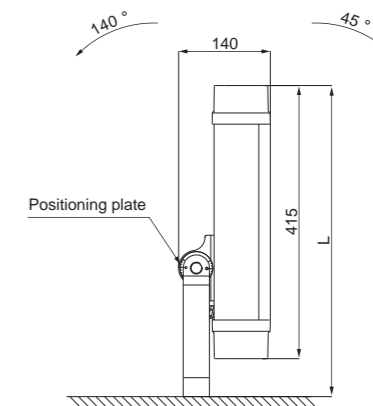
Ordering reference

Ordering Reference	Light Source	Rated wattage (W)	Light output (lm)	Dimension (mm)	Net Weight (Kg)	Average Service Life (h)
ZY8102S-L60	LED	60	8,194	322(L) × 363 × 150	5.2	100,000
ZY8102S-L80	LED	80	9,737	322(L) × 363 × 150	5.2	100,000
ZY8102S-L100	LED	100	10,785	322(L) × 363 × 150	5.2	100,000
ZY8102S-L120	LED	120	14,605	417(L) × 363 × 150	6.2	100,000
ZY8102S-L150	LED	150	16,178	417(L) × 363 × 150	6.2	100,000
ZY8102S-L180	LED	180	20,193	512(L) × 363 × 150	7.2	100,000
ZY8102S-L200	LED	200	21,571	512(L) × 363 × 150	7.2	100,000

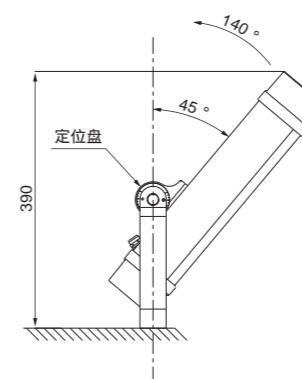
Drawing of dimension (Dimensions in mm)



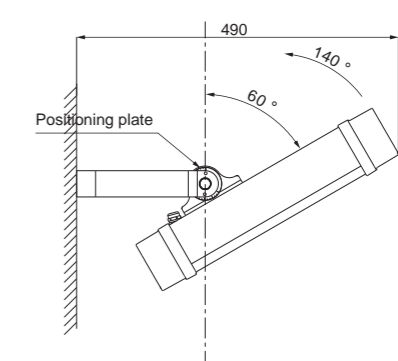
Mounting Holes



Seat-mounted

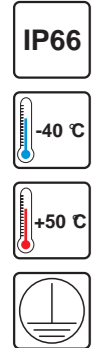


Seat-mounted

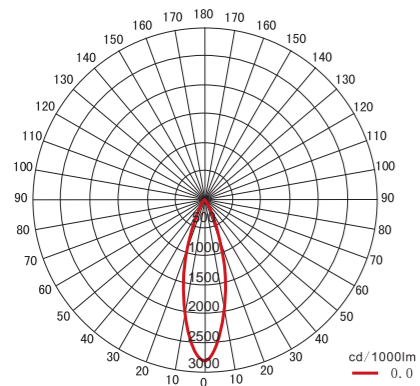


Sidewall-mounted

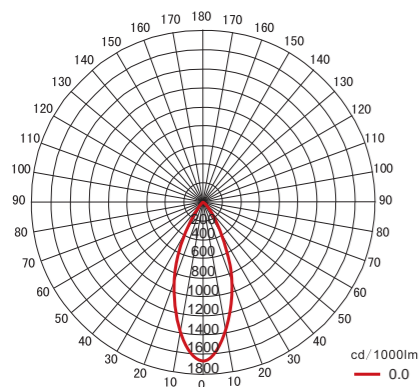
LED



Light distribution curve



25 °



80 °

Application

This product is ideal to use as floodlighting in factory, construction site, engineering machinery and other indoor and outdoor site.

Characteristics

- Customer can choose the 25 ° or 80 ° as the beam angle according to the application.
- The housing is especially designed to dissipate heat, so that to prolong lifespan of the LED, ensure 100,000hours service life.
- The locking device on the bracket will keep the lamp from shift or trembling during harsh vibration.
- It adopts American CREE LED as light source, can save 60% or more on energy than the metal halide lamp.
- Equipped with Taiwan Meanwell top brand LED driver, ensuring the lamp have a stable performance.
- The anti corrosion, abrasion proof, power coated cover which is dust proof, water proof, make the lamp an excellent option for all kinds of high stress environment.
- 18~43VAC or 18~55VDC is optional for 25W and 40W as customers' requirement.

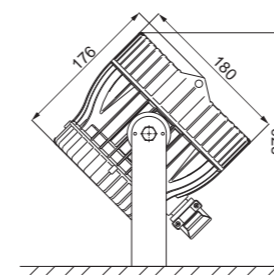
Technical Specification

Input Voltage	90~264VAC / 127~370VDC
Frequency	50Hz / 60Hz
Ingress Protection	IP66
Anti corrosion grade	WF2
Insulation Grade	I
Screw Thread	G3/4
Cable Diameter	8mm~ 14mm
Dimension	180 x 243mm
Net Weight	3.8Kg

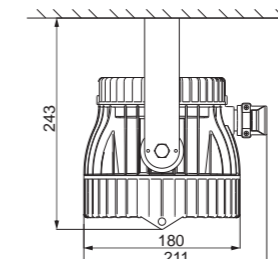
Ordering reference

Model Number	Beam Angle	Input Voltage	Light source	Rated wattage (W)	Light output (lm)	Equivalent to		
						Metal Halide Lamp	Electrode less lamp	High pressure mercury lamp
ZY8301-L25-25 °	25 °	90~264VAC or 127~370VDC	LED	25	3,300	70W	60W	80W
ZY8301-L25-80 °	80 °							
ZY8301-L40-25 °	25 °							
ZY8301-L40-80 °	80 °		LED	40	5,508	100W	100W	125W
ZY8301-L60-25 °	25 °							
ZY8301-L60-80 °	80 °							
Optional								
ZY8301-L25-25 ° -D	25 °	18~43VAC or 18~55VDC	LED	25	3,300	70W	60W	80W
ZY8301-L25-80 ° -D	80 °							
ZY8301-L40-25 ° -D	25 °		LED	40	5,508	100W	100W	125W
ZY8301-L40-80 ° -D	80 °							

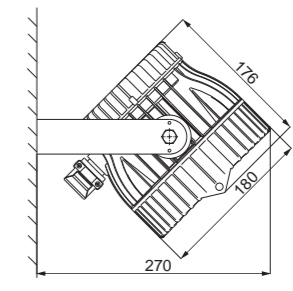
Drawing of dimension (Dimensions in mm)



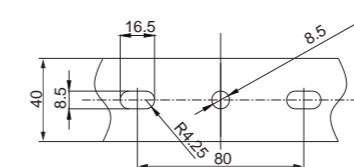
Seat-mounting



Ceiling mounting



Side wall-mounting



Mounting size

LED

IP66

-40 °C

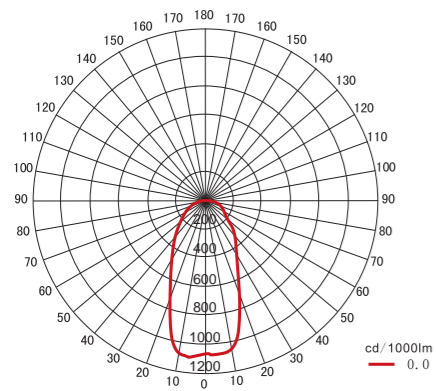
+50 °C



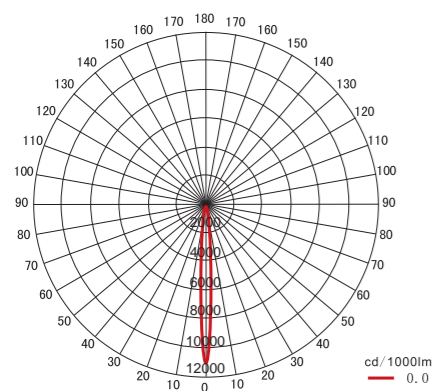
Spot (Standard)

Flood

Light distribution curve



Flood



Spot

Application

It can be used as spotlight in factory, construction site and some other indoor or outdoor places.

Characteristics

- It efficiently utilize the light to 95%.Glare free, have a good performance of illuminance uniformity. Operator can choose the beam angle according to the application.
- It adopts American CREE LED as light source, can save 60% or more on energy than the metal halide lamp
- The light source is separated from the electrical appliance. This split style with the high efficiency radiator have solved the heating-up problem so that ensure the 100,000 hours LED lifespan.
- Equipped with world top ranking brand, Taiwan Meanwell electrical appliance with power factor 0.98, make the lamp's performance more stable and efficient
- The locking device on the bracket will keep the lamp from shift or trembling during harsh vibration.
- The housing adopts high-tech surface spraying technology, abrasion resistance corruption, waterproof, dustproof, suitable to be used at all kinds of environments.
- Quick opening lid, easy to maintain.
- Floodlight beam angle is available according to customers' requirement.

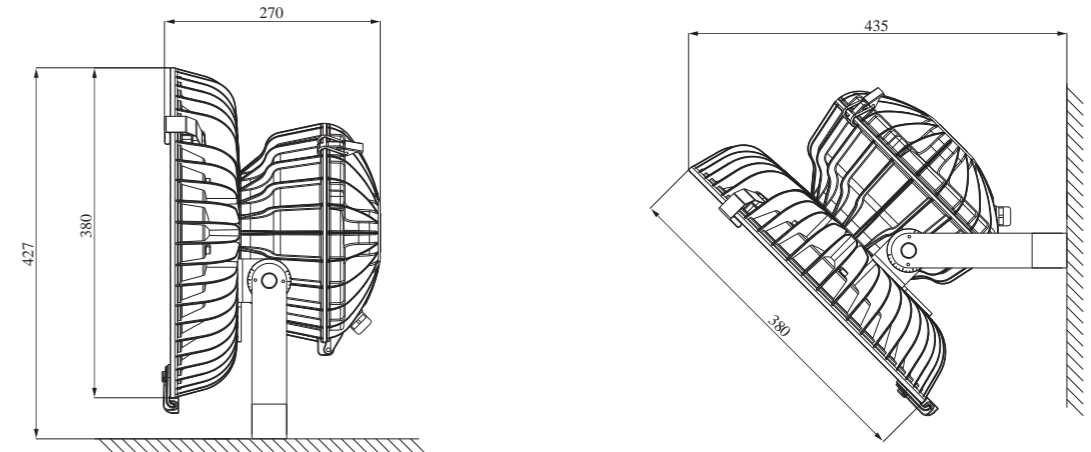
Main specification

Input Voltage	90~305VAC / 127~431VDC
Output Voltage	54VDC
Frequency	50Hz / 60Hz
Ingress Protection	IP66
Anti Corrosion Grade	WF2
Insulation Grade	I
Space Height Ratio	1.8
Thread	G3/4"
Leading-in cable diameter	10mm - 12mm
Dimension	380 x 270mm
Net Weight	8Kg

Ordering reference

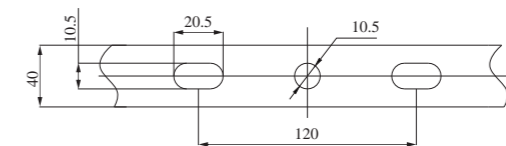
Ordering Reference	Light Source	Rated wattage (W)	Light output (lm)	Equivalent to		
				Metal Halide Lamp	Electrode Less Lamp	Mercury lamp
ZY8302-L60	LED	60	8,194	150W	135W	175W
ZY8302-L80	LED	80	10,016	175~250W	165W	250W
ZY8302-L100	LED	100	11,568	250W	200W	250~400W
ZY8302-L120	LED	120	13,310	250~400W	250W	400W

Drawing of dimension (Dimensions in mm)



Seat-mounting

Side wall-mounting



Mounting hole drawing

LED

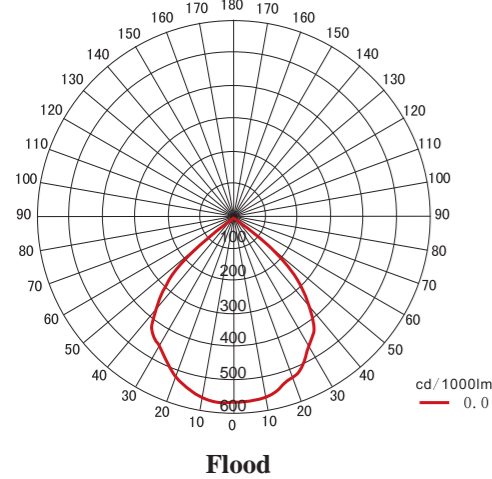
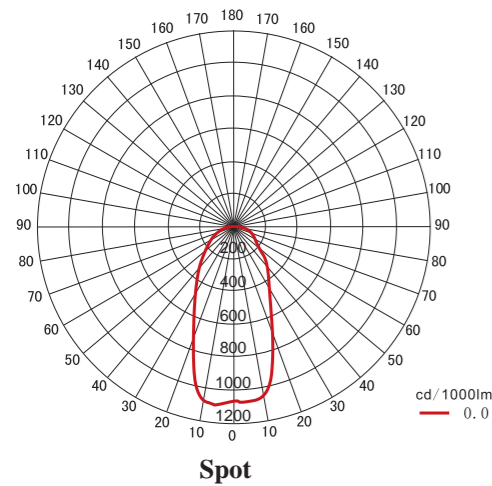
IP66

-40 °C

+50 °C



Light distribution curve



Application

The product is suitable for use in power station, petrochemical industry, metallurgy and other indoor and outdoor places.

Characteristics

- Especially designed for high bay, tall roof. It efficiently utilize the light to 95%. Glare free, have a good performance of illuminance uniformity.
- Floodlight or spotlight is both available according to mounting height. (8-15meters: floodlight, >15meters: spotlight)
- It adopts American CREE LED as light source, can save 60% or more on energy than the metal halide lamp.
- The light source is separated from the electrical appliance. This split style with the high efficiency radiator have solved the heating-up problem so that ensure the 100,000 hours LED lifespan.
- Equipped with world top ranking brand, Taiwan Meanwell electrical appliance with power factor 0.98, make the lamp's performance more stable and efficient.
- The locking device on the bracket will keep the lamp from shift or trembling during harsh vibration.
- The shell adopts high-tech surface spraying technology, abrasion resistance and corruption, waterproof, dustproof, suitable to be used in all kinds of environments
- Quick opening lid, easy to maintain.

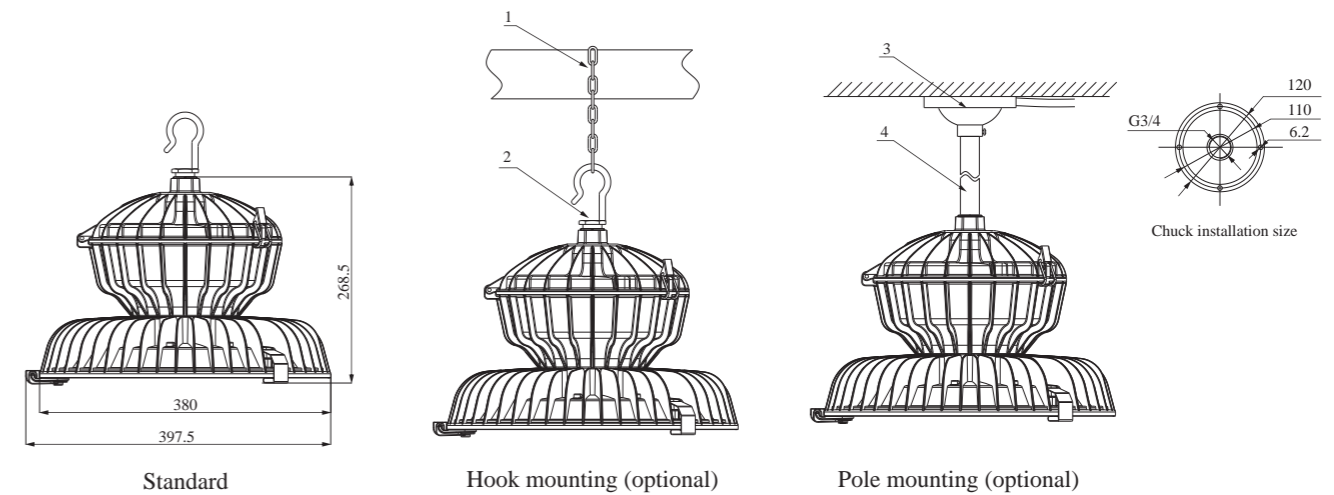
Main specification

Input Voltage	90~305VAC / 127~431VDC
Output Voltage	54VDC
Frequency	50Hz / 60Hz
Ingress Protection	IP66
Anti Corrosion Grade	WF2
Insulation Grade	I
Space Height Ratio	1.8(Spotlight), 3(Floodlight)
Thread	G3/4"
Leading-in cable diameter	8mm - 14mm
Dimension	380 × 268.5mm
Net Weight	7.5Kg

Ordering reference

Ordering Reference	Light Source	Rated wattage (W)	Light output (lm)	Equivalent to		
				Metal Halide Lamp	Electrode Less Lamp	Mercury lamp
ZY8501-L60	LED	60	8,194	150W	135W	175W
ZY8501-L80	LED	80	10,016	175~250W	165W	250W
ZY8501-L100	LED	100	11,568	250W	200W	250~400W
ZY8501-L120	LED	120	13,310	250~400W	250W	400W

Drawing of dimension (Dimensions in mm)



Accessories list (optional)

Number	Name	Quantity	Remark
1	Chain	1	
2	G3/4 Hook	1	Standard
3	G3/4 Chuck	1	
4	G3/4 Pole	1	The length in accordance with the request of the customer

LED

IP66

-40 °C

+50 °C



Standard
G3/4" pole mounting

Optional
Ceiling mounting

Application

This product is applicable to fixed lighting in various power distribution chambers, main plants, water pump centers, boiler rooms, passages, catwalks, coal storage, etc.

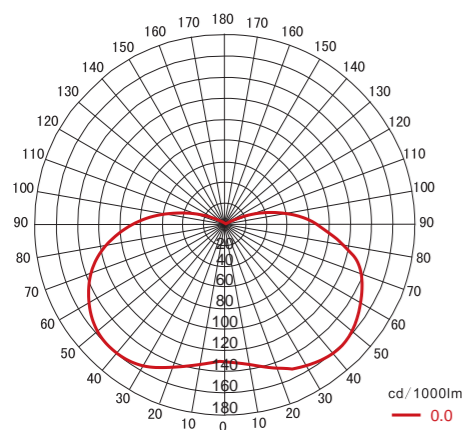
Characteristics

- With the unique light distribution design, make the light well-distributed. Its beam angle can reach 220 degree performance of illuminance uniformity, glare free, can avoid eyestrain to the worker.
- The housing is especially designed to dissipate heat. Besides, it uses the thermal transmission to accelerate the heat conduction which increase the efficiency and lifespan of the LED, so that to ensure the 100,000 hours LED lifespan.
- It adopts American CREE LED as light source, can save 60% or more on energy than the metal halide lamp.
- Equipped with world top ranking electrical appliance, ensure the lamp's performance more stable and efficient.
- Easy to install. The chain on the cover make it more safe when maintenance.
- The housing adopts high-tech surface spraying technology, abrasion resistance and resistance to corrosion, waterproof, dust-proof, suitable to be used in all kinds of environments.
- 18~43VAC or 18~55VDC is optional for 25W and 40W as customers' requirement.

Main specification

Input Voltage	90~264VAC / 127~370VDC
Frequency	50Hz / 60Hz
Ingress Protection	IP66
Anti Corrosion Grade	WF2
Insulation Grade	I
Space Height Ratio	3.5
Thread	G3/4"
Leading-in cable diameter	8mm - 14mm (Ceiling Mounting 6mm - 8mm)
Dimension	232 × 185mm
Net Weight	2.2Kg

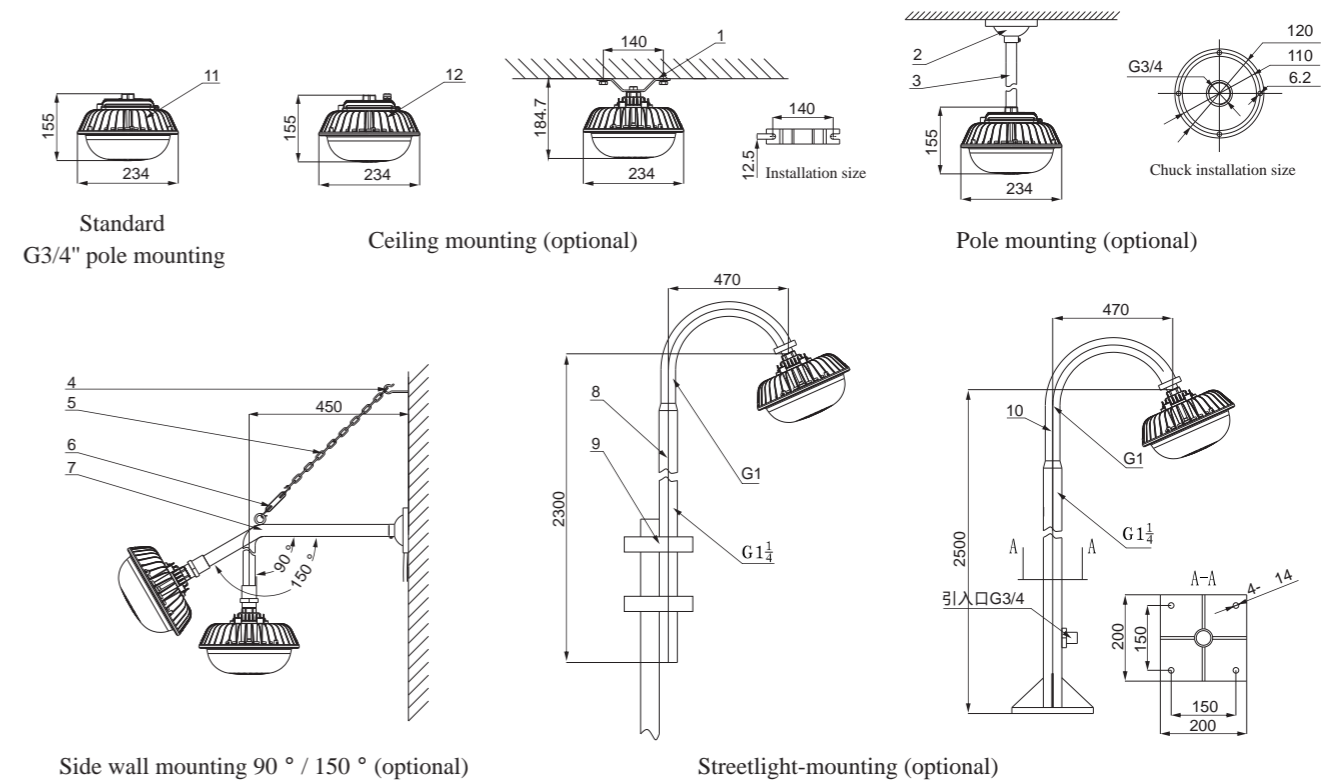
Light distribution curve



Ordering reference

Model Number	Input Voltage	Light source	Rated wattage (W)	Light output (lm)	Equivalent to			
					Metal Halide Lamp	Electrode Less Lamp	Energy Saving Lamp	High pressure mercury lamp
ZY8601-L25	90~264VAC or 127~370VDC	LED	25	3,300	50~70W	50W	60W	80W
ZY8601-L40		LED	40	5,508	100W	85W	120W	125W
ZY8601-L60		LED	60	7,128	150W	120W	180W	175W
Optional								
ZY8601-L25-D	18~43VAC or 18~55VDC	LED	25	3,300	50~70W	50W	60W	80W
ZY8601-L40-D		LED	40	5,508	100W	85W	120W	125W

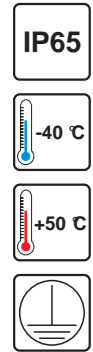
Drawing of dimension (Dimensions in mm)



Accessories list (optional)

Number	Name	Quantity	Remark
1	Mounting bracket	1	
2	Chuck	1	G3/4
3	G3/4 pole	1	The length in accordance with the request of the customer
4	Screw hook	1	
5	Chain	1	
6	Turn buckle	1	
7	G3/4 bend pipe	1	90 degrees and 150 degrees are optional
8	Light pole	1	
9	U-bolts	2	
10	Flanged type pole	1	

LED



Application

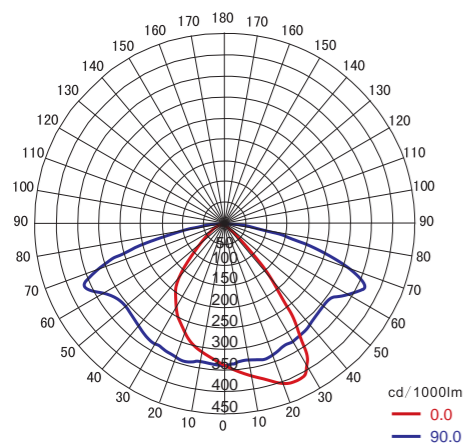
This product is widely used in the factory, various city road, high ways as street light.

Characteristics

- Out of consideration of the difficulty of road lighting replacement, the company developed a unique cooling system modules, an effective solution to the problem of LED light failure caused due to high temperature to ensure high efficiency light source with 100,000 hours of life.
- The even light distribution can avoid the shadow area between the two streetlights. It is glare free. And has a pure white light.
- It adopts American CREE LED as light source, can save 60% or more on energy than the metal halide lamp.
- Equipped world top ranking brand, Taiwan Meanwell electrical appliance with power factor 0.98, make the lamp's performance more stable and efficient.
- Specially designed light lid, easy maintenance.
- The shell adopts high-tech surface spraying technology, abrasion resistance and resistance to corrosion, waterproof, dustproof, applicable to all kinds of environment.
- Mounting: suitable to pole with the diameter of 50- 60mm



Light distribution curve



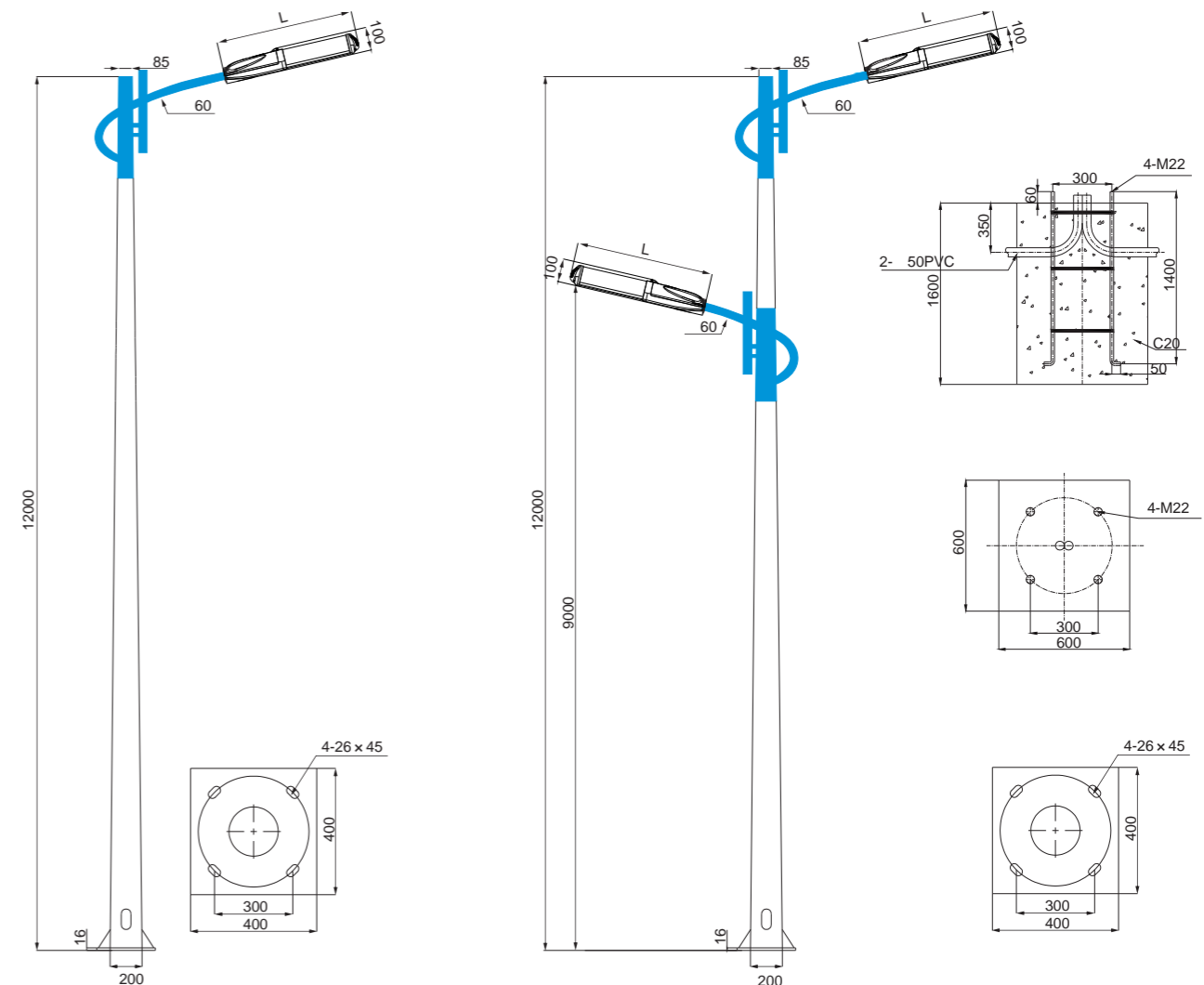
Main specification

Input Voltage	90-305VAC
Frequency	50Hz / 60Hz
Ingress Protection	IP65
Anti Corrosion Grade	WF2
Insulation Grade	I
Space Height Ratio	3

Ordering reference

Ordering Reference	Light Source	Rated wattage (W)	Light output (lm)	Average Service Life (h)	Net Weight (Kg)	Dimension (mm)
ZY8702-L50	LED	50	> 100 lm / W	100,000	5.5	425 × 315 × 100
ZY8702-L60	LED	60		100,000	6.5	520 × 315 × 100
ZY8702-L80	LED	80		100,000	6.5	520 × 315 × 100
ZY8702-L100	LED	100		100,000	6.5	520 × 315 × 100
ZY8702-L120	LED	120		100,000	7.5	615 × 315 × 100
ZY8702-L150	LED	150		100,000	7.5	615 × 315 × 100
ZY8702-L180	LED	180		100,000	8.5	710 × 315 × 100
ZY8702-L200	LED	200		100,000	8.5	710 × 315 × 100
ZY8702-L250	LED	250		100,000	9.5	805 × 315 × 100
ZY8702-L300	LED	300		100,000	10.5	900 × 315 × 100

Drawing of dimension (Dimensions in mm)



NOTE : 50W L:425mm; 60W 80W 100W L:520mm; 120W 150W L:615mm; 180W 200W L:710mm; 250W L:805mm; 300W L:900mm

LED

IP66

-40 °C

+50 °C



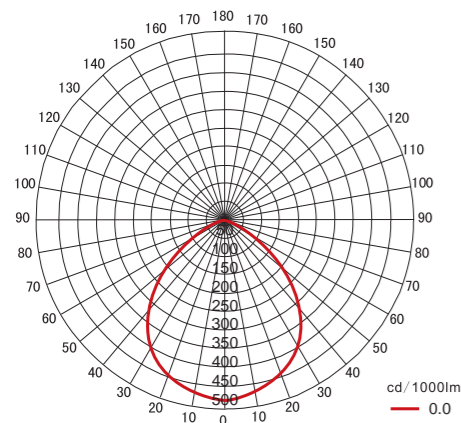
Application

This product is applicable to flood lighting in warehouses, trenches, tunnels and some other public places.

Characteristics

- It adopts American CREE LED as light source, can save 60% or more on energy than the metal halide lamp.
- The light source service life can reach 100, 000 hours. Low maintenance.
- World famous brand Electronic Component, provide with more stable performance and high efficient.
- The unit has perfect electromagnetic compatibility feature, can avoid the interference caused to the other device and electric power transmission network.
- Light weight aluminum alloy with latest spray coating treatment. Anti rust, corrosion resistant and waterproof.
- The transparent part is made of the imported PC materials. It enjoys a higher light transmission, and can endure impact. Ideal for all kinds of harsh environment.
- 18~43VAC or 18~55VDC is optional as customers' requirement.

Light distribution curve



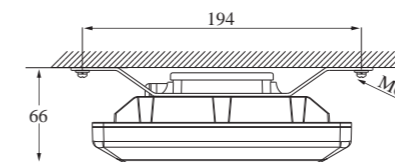
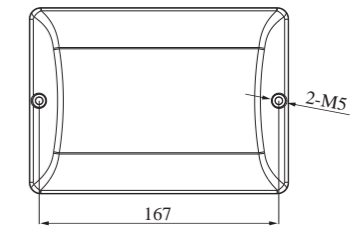
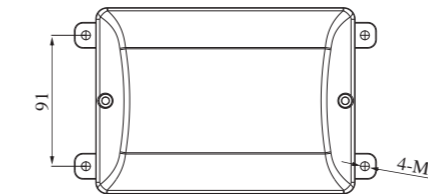
Main parameter

Specification	Unit	ZY8800A	ZY8800B
Input voltage	V	AC90~264	
Frequency	Hz	50 / 60	
Output voltage	V	DC14	
Light power	W	12	6
Luminous flux	lm	1,144	680
High space ratio		2	
Service life	h	100,000	
Size	mm	180 × 130 × 66	
Net weight	Kg	1	

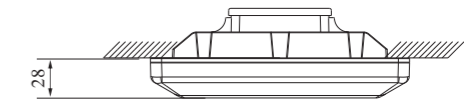
Ordering reference

Ordering Reference	Light Source	Rated wattage (W)	Light output (lm)	Equivalent to	
				Fluorescent lamp	Energy Saving Lamp
ZY8800A	LED	12	1,144	36W	28W
ZY8800B	LED	6	680	18W	18W

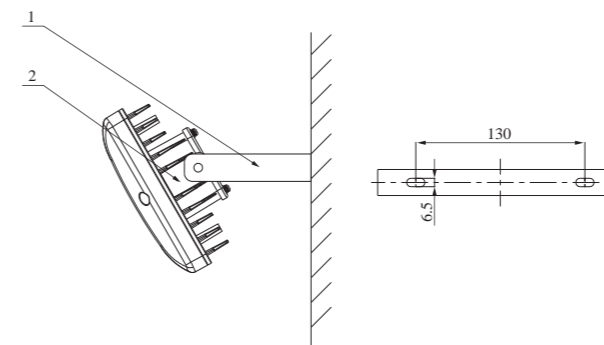
Drawing of dimension (Dimensions in mm)



Ceiling mounting (Standard)



Embedded mounting

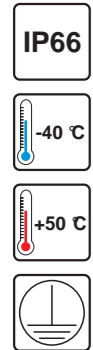


Side wall-mounting (optional)

Accessories list (optional)

Number	Name	Quantity
1	Mounting bracket	1
2	Positioning plate	2

LED

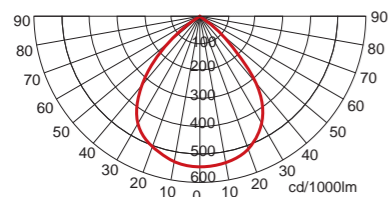


Floodlight lens

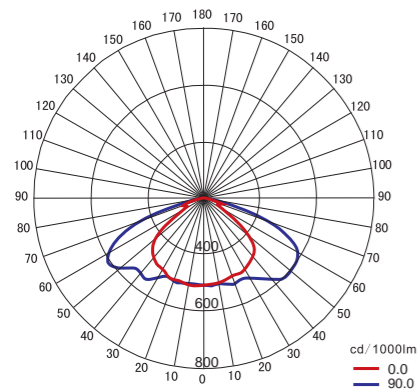


Streetlight lens

Light distribution curve



Floodlight



Streetlight

Application

It is ideal to be used as floodlight at the large workshop, plant, stations and anywhere a highly durable and efficient light source is needed.

Characteristics

- It adopts American BridgeLux LED as light source, which is lead in integrated light source technology and performance in the world.
- Vane type structure housing accelerate the heat dissipation, so that to ensure the LED service life.
- Equipped with world top ranking brand Taiwan Meanwell electrical appliance, make the lamp's performance more stable and efficient.
- The locking device on the bracket will keep the lamp from shift or trembling during harsh vibration.
- The housing is made of light aluminium alloy, with sealing, spraying treatment, and shock proof design, strong resistant to corrosion, water and high temperature, applicable to various harsh environments.
- Parallel connection is available, no need to use junction box.
- Beam angle: 90° (standard), 60°, 120° and streetlight beam angle is optional.

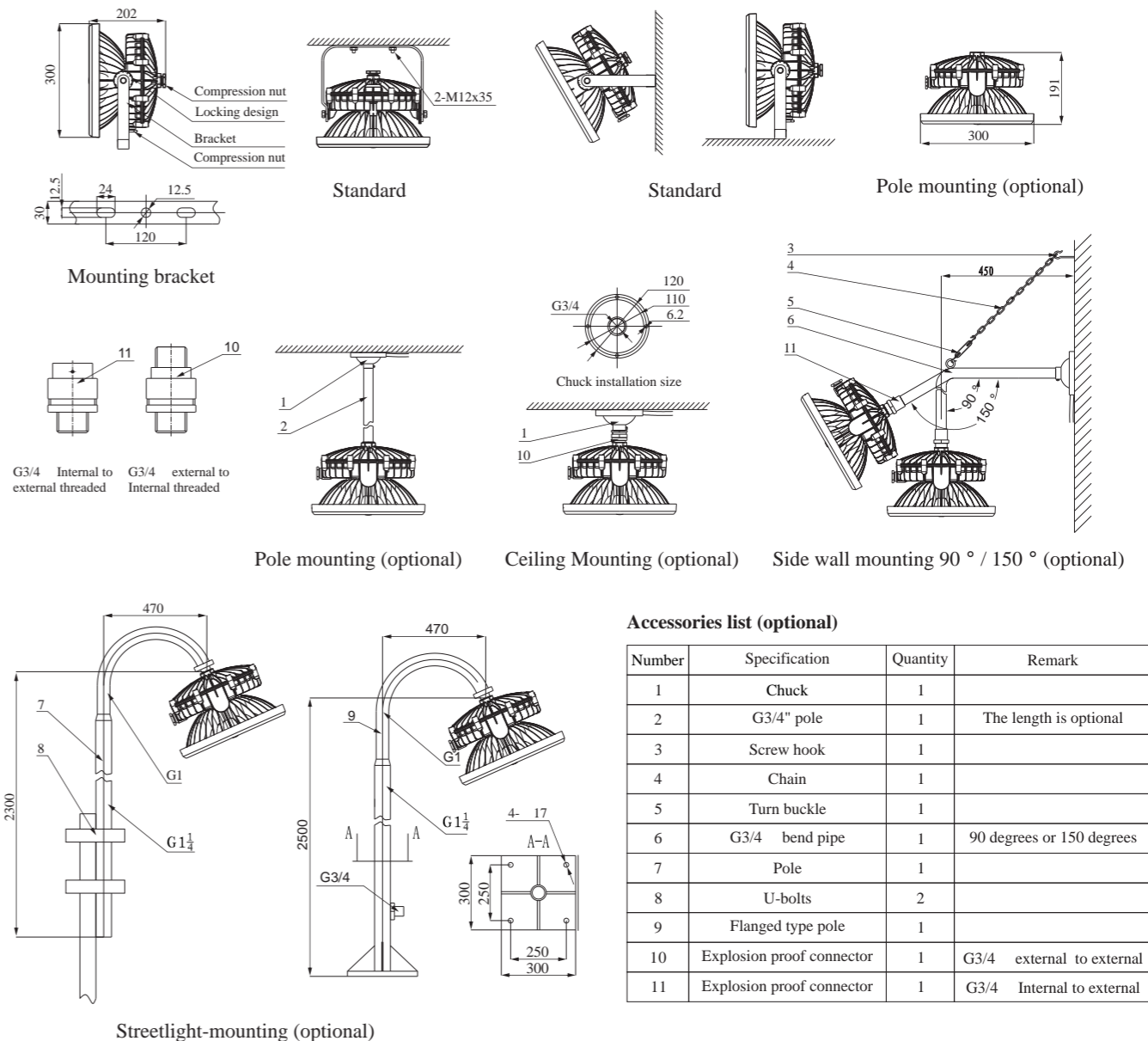
Main specification

Input Voltage	90~305VAC / 127~431VDC
Frequency	36VDC
Anti corrosion grade	50Hz / 60Hz
Ingress Protection	IP66
Insulation Grade	WF2
Spacing height ratio	I
Space Height Ratio	2
Screw Thread	G3/4
Cable Diameter	8mm~ 14mm
Dimension	300 × 202mm
Net Weight	6.3Kg

Ordering reference

Model Number	Light Source	Rated wattage (W)	Light output (lm)	Temperature Class	Equivalent to		
					Metal halide lamp	Induction lamp	Mercury lamp
ZY9710-L50	LED	50	4,500	T6	100W	100W	125W
ZY9710-L60	LED	60	5,400	T6	150W	135W	175W
ZY9710-L80	LED	80	7,200	T6	175W	165W	250W
ZY9710-L100	LED	100	9,000	T6	250W	200W	250~400W
ZY9710-L120	LED	120	10,800	T5	250~400W	250W	400W

Drawing of dimension (Dimensions in mm)



Accessories list (optional)

Number	Specification	Quantity	Remark
1	Chuck	1	
2	G3/4" pole	1	The length is optional
3	Screw hook	1	
4	Chain	1	
5	Turn buckle	1	
6	G3/4 bend pipe	1	90 degrees or 150 degrees
7	Pole	1	
8	U-bolts	2	
9	Flanged type pole	1	
10	Explosion proof connector	1	G3/4 external to external
11	Explosion proof connector	1	G3/4 Internal to external

IP65

-40 °C

+50 °C



E27



Application

It is ideal to use in the factory, railway station, workshop, large storage, gym, large scale building area, tunnel, and laneway as floodlight illumination.

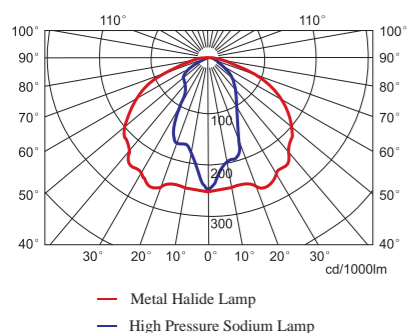
Characteristics

- Light source and electrical appliance adopts world's top brand, high efficiency and stability. It gives 20% more light than the other manufactures'.
- The glass of the lamp is glare free which avoid eyestrain caused to the workers .
- Quick opening lid, easy to maintain.
- Multiple anti corrosion structure and the high strength aluminium alloy housing ensure the lamp can work for a long time in the high frequency vibration atmosphere.
- The housing adopts high-tech surface spraying technology, abrasion resistance corruption, waterproof, dustproof, applicable to all kinds of harsh environments.
- Multiple mounting options: seated mounted, ceiling mounted, wall mounted etc. The lamp's illumination angle can be adjusted within 180 ° according to the application.

Main specification

Input Voltage	220VAC 50Hz (110V 60Hz Optional)
Ingress Protection	IP65
Anti Corrosion Grade	WF2
Insulation Grade	I
Space Height Ratio	4.5
Leading-in cable diameter	6mm - 8mm
Dimension	340 × 293 × 208mm
Net Weight	4Kg

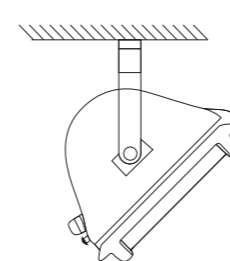
Light distribution curve



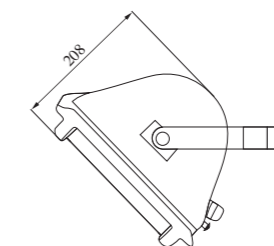
Ordering reference

Ordering Reference	Light Source	Rated wattage (W)	Light output (lm)	Lamp life(h)
ZY8100-J70	Metal Halide Lamp	70	5,500	10,000
ZY8100-J100	Metal Halide Lamp	100	9,000	10,000
ZY8100-J150	Metal Halide Lamp	150	13,000	10,000
ZY8100-N70	High Pressure Sodium Lamp	70	6,000	28,500
ZY8100-N100	High Pressure Sodium Lamp	100	9,600	28,500
ZY8100-N150	High Pressure Sodium Lamp	150	16,000	28,500

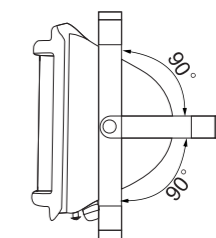
Drawing of dimension (Dimensions in mm)



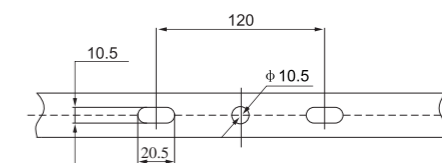
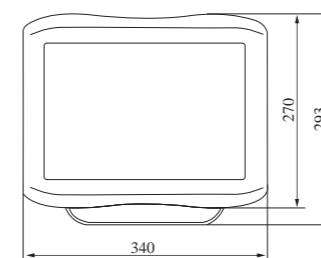
Ceiling mounting



Side wall-mounting



Side wall-mounting



Mounting hole drawing

IP65

-40 °C

+50 °C



E40



Application

This product is ideal to use as floodlighting in pathway, electric power, gas station, rail way, large plant, workshop, and any other public places.

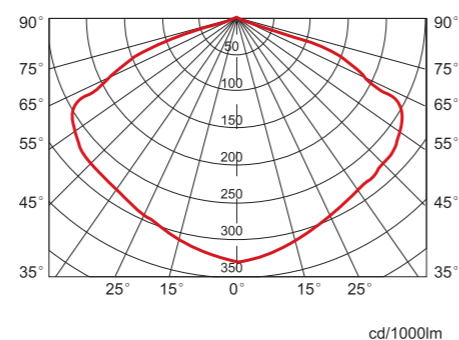
Characteristics

- Adopts famous international brand light source with stable performance , gives 20% more light over the other manufacturers.
- Long service life comes to 12,000 hours and low maintenance.
- The special device on the bottom of the lamp can allow the air get inside so that to balance the internal and external pressure differential and eliminate the water vapor condensation inside the lamp.
- The reflector with diffuse reflection function can make the light beam more gentle and, glare free.
- Mounting bracket can be adjusted to the desired angle.
- The lock screws on the lamp makes it more easy for the operator to open the cover.
- The mounting rack is optional according to customers' requirements.

Main specification

Input Voltage	220VAC 50Hz (110V 60Hz Optional)
Ingress Protection	IP65
Anti Corrosion Grade	WF2
Insulation Grade	I
Space Height Ratio	2.2
Leading-in cable diameter	8mm - 10mm
Dimension	520 × 400 × 175mm
Net Weight	14Kg

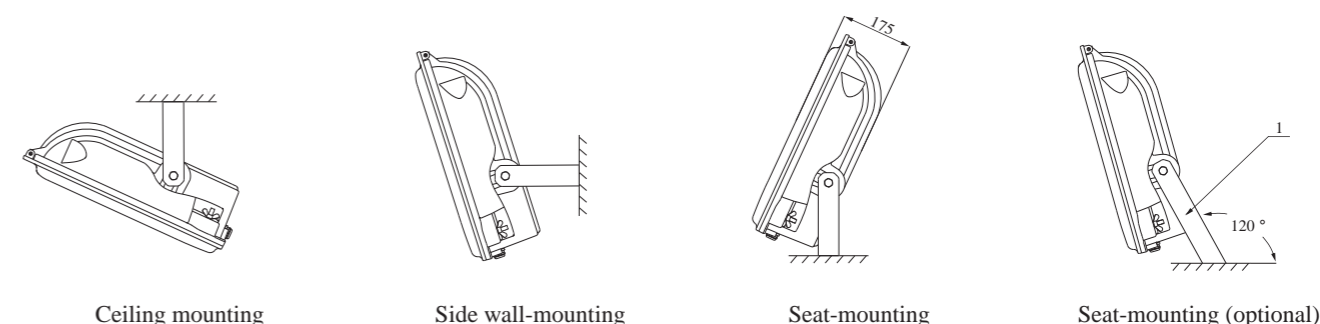
Light distribution curve



Ordering reference

Ordering Reference	Light Source	Rated Wattage (W)	Light Output (lm)	Lamp Average Life (h)
ZY8200-J250	Metal Halide Lamp	250	25,000	12,000
ZY8200-J400	Metal Halide Lamp	400	36,000	12,000
ZY8200-N250	High Pressure Sodium Lamp	250	27,500	30,000
ZY8200-N400	High Pressure Sodium Lamp	400	50,000	30,000

Drawing of dimension (Dimensions in mm)

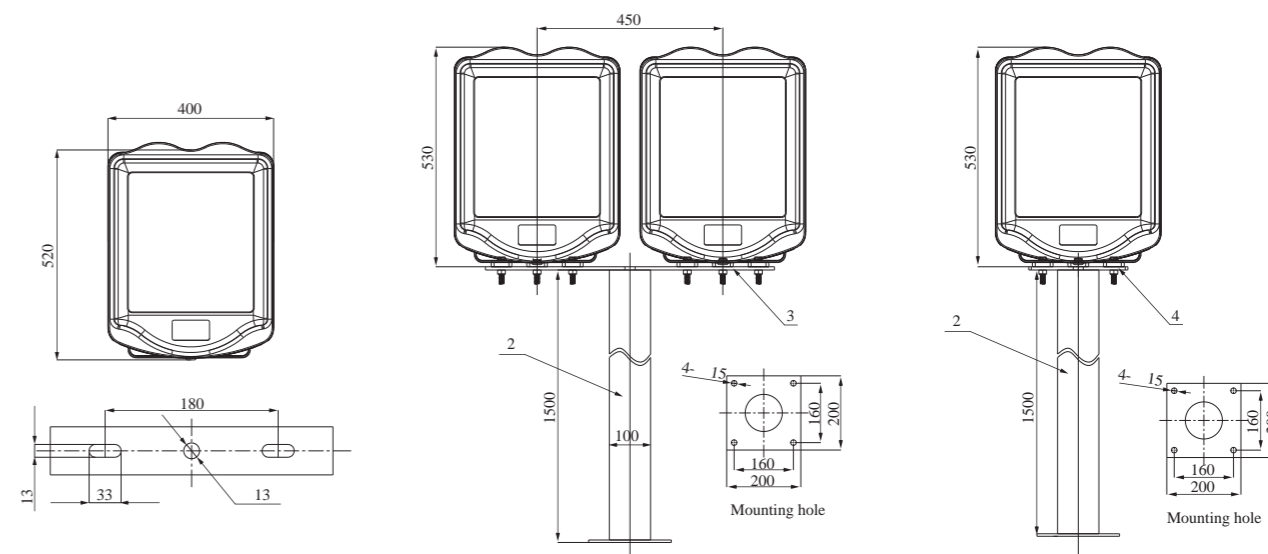


Ceiling mounting

Side wall-mounting

Seat-mounting

Seat-mounting (optional)

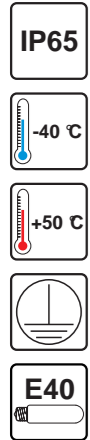


Pole mounting (optional)

Pole mounting (optional)

Accessories list (optional)

Number	Specification	Quantity	Remark
1	120 ° bracket	1	
2	Mounting bracket	1	The length is optional
3	Double slotted rod	1	
4	Single slotted rod	1	



Application

This product is ideal to use as spotlighting in all kinds of plant ,workshop, construction site, electric power station, and some other indoor and outdoor site.

Characteristics

- Adopts famous international brand light source with stable performance , gives 20% more light over the other manufacturers.
- Average light source lifetime is 12000 hours. Low maintenance.
- The special device on the bottom of the lamp can allow the air get inside so that to balance the internal and external pressure differential and eliminate the water vapor condensation inside the lamp.
- The shock proof structure can avoid the break of bracket as well as bulb falling off from the lamp when there is intense shock.
- The ballast box is separated from the lamp. With the sizable finned stripe on the housing, it guarantees the ballast box a higher heat dissipation which is expect to prolong the ballast service life.
- The buckle replacing the screws design on the housing, making it more easy to open the ballast box by hand.
- Light weight aluminum alloy with latest spray coating technique. Anti rust, corrosion resistant. Ideal for any extreme condition.
- The binding technique on the edge of the housing are expected to enhance the waterproof, dust proof characteristics.
- We can also supply shock absorber according to customers' requirement. So that to guarantee the lamp safety during the usage on vehicle or other device where there are harsh vibration.

Main specification

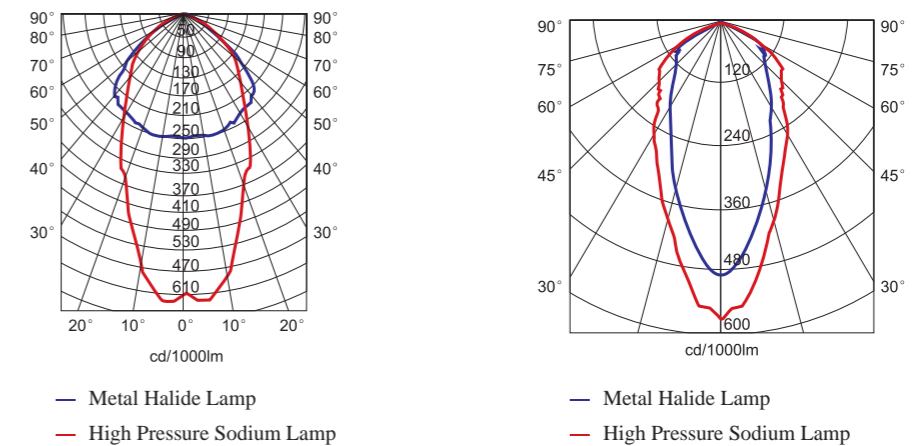
Input Voltage	220VAC 50Hz (110V 60Hz Optional)	
Ingress Protection	IP65	
Anti Corrosion Grade	WF2	
Insulation Grade	I	
Space Height Ratio	2.2	
Leading-in cable diameter	8mm - 10mm	
Dimension	1000W	Lamp 526 × 615mm Ballast 325 × 215 × 150mm
	250W 400W	Lamp 420 × 445mm Ballast 325 × 215 × 150mm
Net Weight	1000W	Lamp 10Kg Lamp 17.7Kg
	250W 400W	Lamp 7.2Kg Lamp 8Kg



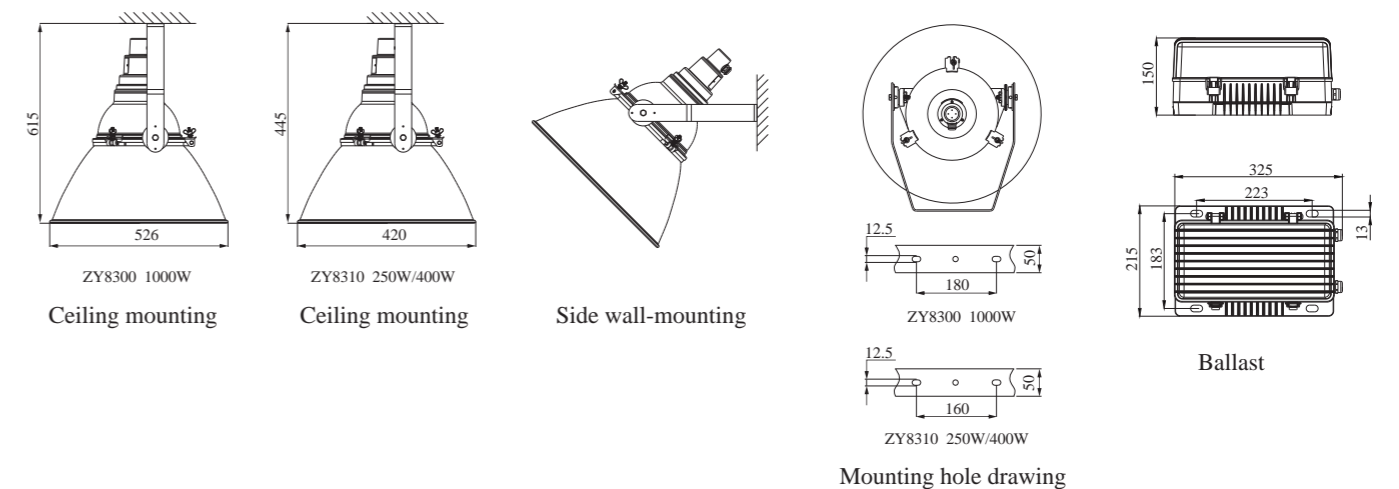
Ordering reference

Ordering Reference	Light Source	Rated Wattage (W)	Light Output (lm)	Lamp Average Life (h)
ZY8300-J1000	Metal Halide Lamp	1,000	105,000	12,000
ZY8300-N1000	High Pressure Sodium Lamp	1,000	140,000	28,500
ZY8310-J250	Metal Halide Lamp	250	25,000	12,000
ZY8310-J400	Metal Halide Lamp	400	36,000	12,000
ZY8310-N250	High Pressure Sodium Lamp	250	27,500	28,500
ZY8310-N400	High Pressure Sodium Lamp	400	50,000	28,500

Light distribution curve



Drawing of dimension (Dimensions in mm)



Application

This unit is an ideal lighting solution for the stations, large plants, warehouses, indoor stadiums, etc.

Characteristics

- After accurate optical reflector design, 80% of the light is reflected to invest only after the first face, brightness uniformity, no bright spots, no dark areas, the inner surface of the reflector is coated with a high temperature resistant coating reflectivity than ordinary aluminum lamps brightness increased 1-2 times, energy saving and environmental protection.
- The buckle replacing the screws design on the housing, making it more easy to open the ballast box by hand.
- Anodized aluminum reflector with high reflectivity designed for optimal light distribution especially suitable for all kinds of high-bay area.
- High strength aluminum alloy case, special seals and surface electrostatic spray treatment, with a good dust, waterproof performance, no corrosion, no rust.

Main specification

Input Voltage	220VAC 50Hz (110V 60Hz Optional)
Ingress Protection	IP65
Anti Corrosion Grade	WF2
Insulation Grade	I
Space Height Ratio	1.5
Leading-in cable diameter	8mm - 10mm
Dimension	490 × 510mm
Net Weight	11.4Kg

IP65

-40 °C

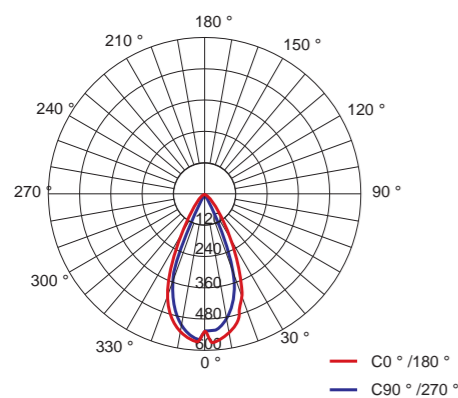
+50 °C



E40



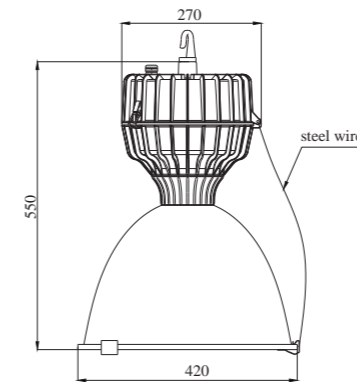
Light distribution curve



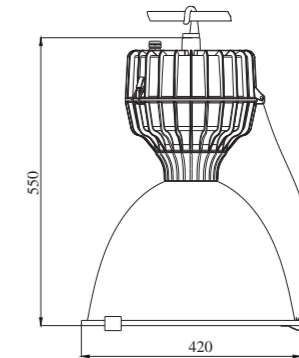
Ordering reference

Ordering Reference	Light Source	Rated Wattage (W)	Light Output (lm)	Lamp Average Life (h)
ZY8510A-J250	Metal Halide Lamp	250	25,000	12,000
ZY8510A-J400	Metal Halide Lamp	400	36,000	12,000
ZY8510A-N250	High Pressure Sodium Lamp	250	27,500	28,500
ZY8510A-N400	High Pressure Sodium Lamp	400	50,000	28,500

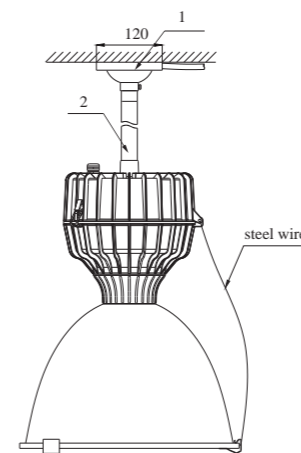
Drawing of dimension (Dimensions in mm)



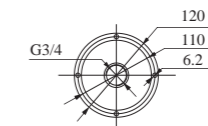
400W, 250W



Hook mounting (optional)



Pole mounting (optional)



Chuck installation size

Accessories list (optional)

Number	Name	Quantity	Remark
1	G3/4 Chuck	1	
2	G3/4 Pole	1	The length in accordance with the request of the customer

IP65

-40 °C

+50 °C



E40



Application

This product is widely applicable to the illumination for the stations, large factories, supermarkets, warehouses and stadiums as high bay light.

Characteristics

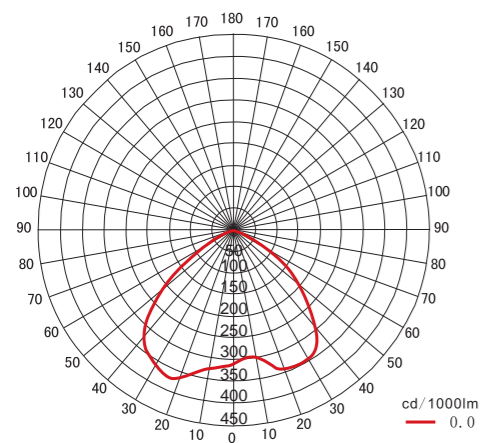
- High efficient famous light source with reliable performance ensures 20% brighter illumination than light source of other brand.
- Reflector is made of import material. High reflecting effect, ideal for all kinds high bay for fixed illumination.
- Unique structure design and light weight material for great dust-proof, water-proof, corrosion resistance and anti rust.
- The electrical cabinet has good heat radiation, and can radiate the heat produced from the bulb and ballast rapidly, and prevent the electric fittings from damaging due to the high temperature in the ballast box.
- Derrick hanging , chain installation, safety, simple and convenient.

Main specification

Input Voltage	220VAC 50Hz (110V 60Hz Optional)
Ingress Protection	IP65
Anti Corrosion Grade	WF2
Insulation Grade	I
Space Height Ratio	1.5
Leading-in cable diameter	8mm - 10mm
Dimension	635 × 660mm
Net Weight	13.6Kg



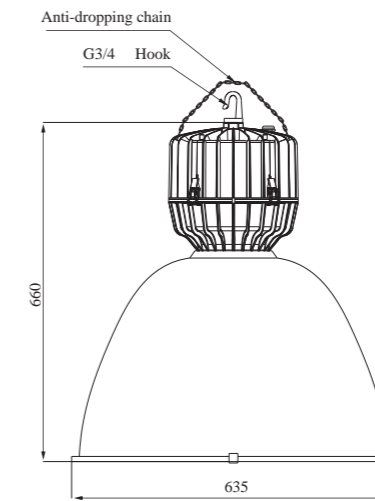
Light distribution curve



Ordering reference

Ordering Reference	Light Source	Rated Wattage (W)	Light Output (lm)	Lamp Average Life (h)
ZY8521-J1000	Metal Halide Lamp	1,000	105,000	12,000

Drawing of dimension (Dimensions in mm)



Application

This product is designed for the power distribution room, plants, water pump centers, boiler rooms, passages, , coal storage, stadium ,stations etc.

Characteristics

- ZY8600 use famous brand light source and electrical appliance. And it is 20% brighter comparing with the other brand lamp.
- ZY8620 equipped with Compact fluorescent lamp as light source . Save 50% on energy than incandescent lamp. The unit enjoys the features of Instant-on, flicker free, high efficiency, long service life. It is energy saving and environment friendly.
- When open the upper cover, the lamp will power off automatically, making the operation safer.
- It adopts the imported advanced transparent part, ensure the lamp with gentle light, anti dazzle, and no shadow area. It can effectively avoid visual fatigue caused to operators during the operation.
- High strength housing with high quality rubber seal and power coated finish for long term use in the all kinds of humid, high temperature, corrosive, harsh environment.
- Multiple Mounting options. Customer can choose seated mounting, ceiling mounting, pendant mounting etc, according to the application.
- The guard is optional according customers' requirements.

Main specification

Input Voltage	220VAC 50Hz (110V 60Hz Optional)	
Ingress Protection	IP65	
Anti Corrosion Grade	WF2	
Insulation Grade	I	
Space Height Ratio	2.5	
Screw Thread	G3/4	
Leading-in cable diameter	8mm - 10mm	
Dimension	270 × 230 × 300mm	
Net Weight	ZY8600	6Kg
	ZY8620	3.6Kg

IP65

-40 °C

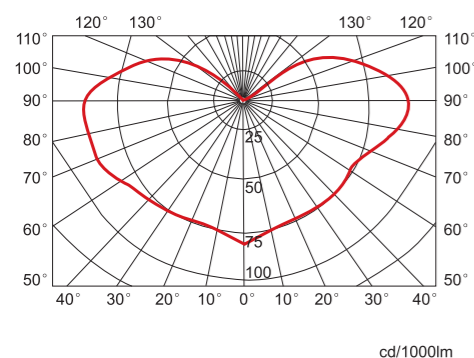
+50 °C



E27



Light distribution curve

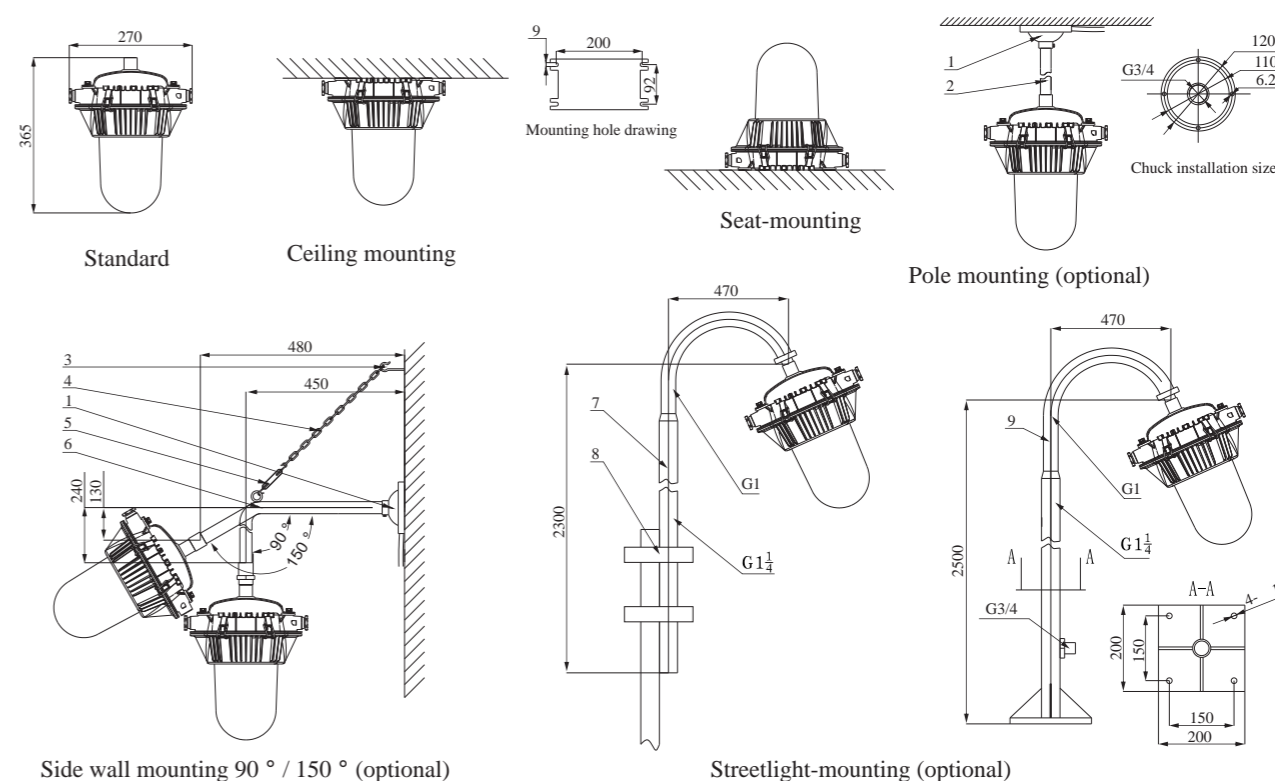


cd/1000lm

Ordering reference

Ordering Reference	Light Source	Rated Wattage (W)	Light Output (lm)	Lamp Average Life (h)
ZY8600-J70	Metal Halide Lamp	70	5,500	10,000
ZY8600-J100	Metal Halide Lamp	100	9,000	10,000
ZY8600-J150	Metal Halide Lamp	150	13,000	10,000
ZY8600-N70	High Pressure Sodium Lamp	70	6,000	28,500
ZY8600-N100	High Pressure Sodium Lamp	100	9,600	28,500
ZY8600-N150	High Pressure Sodium Lamp	150	16,000	28,500
ZY8620-Y40	Compact fluorescent lamp	40	2,860	8,500

Drawing of dimension (Dimensions in mm)



Accessories list (optional)

Number	Specification	Quantity	Remark
1	Chuck	1	
2	G3/4" pole	1	The length is optional
3	Screw hook	1	
4	Chain	1	
5	Turn buckle	1	
6	G3/4" bend pipe	1	90 degrees or 150 degrees
7	Pole	1	
8	U-bolts	2	
9	Flanged type pole	1	
10	Explosion proof connector	1	G3/4 external to external
11	Explosion proof connector	1	G3/4 Internal to external

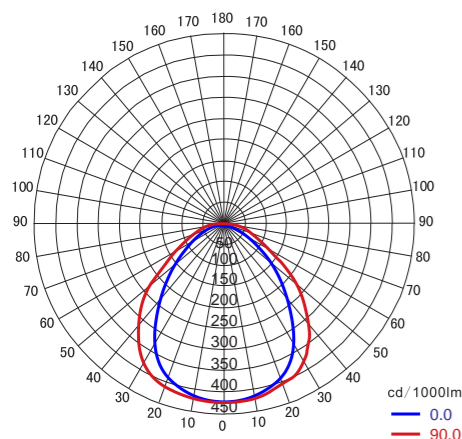
LED



Ex Code: Ex d IIB T6 Gb
Standard: GB3836.1, GB3836.2
IEC60079-1:2007,MOD



Light distribution curve



Application

- Ideal to be used in the oilfield, chemical industry, steel industry, power, port, Petroleum etc.
- Harsh environment, moist area.
- Gas explosive environment: Group IIA; IIB.
- Zone 1, Zone2; Zone 21, Zone 22.
- Temperature class: T1 to T6.

Characteristics

- With its reflector which have different angles design, it efficiently utilize the light. Have a good performance of illuminance uniformity, glare free, can avoid eyestrain to the worker.
- It adopts American CREE LED as light source, can save 60% or more on energy than the metal halide lamp
- The housing is especially designed to dissipate heat, which increase the efficiency and lifespan of the LED, so that to ensure the 100,000 hours LED lifespan.
- It uses Taiwan Meanwell electrical appliance which's lifespan is top ranking in the world, power factor:0.98, has a highly stable performance.
- The adjustable locking device on the bracket can tightly fix the lamp to any desired angle, making the lamp resist to harsh vibration
- The anti corrosion, abrasion proof, power coated cover which is dust proof, water proof, make the lamp an excellent option for all kinds of high stress environment.
- Multiple mounting options including ceiling, pendent, wall etc.
- Adjustable mounting bracket enable the operator to choose mounting angle within 90 °.
- The lamp can parallel connected, no need to use the junction box.

Main specification

Input Voltage	90~264VAC / 127~370VDC
Output Voltage	42VDC
Frequency	50Hz / 60Hz
Recharge Time	>5 hours
Ingress Protection	IP66
Anti Corrosion Grade	WF2
Insulation Grade	I
Space Height Ratio	4.5
Thread	G3/4"
Leading-in cable diameter	8mm - 14mm
Dimension	370 × 326 × 75mm
Net Weight	5.5Kg

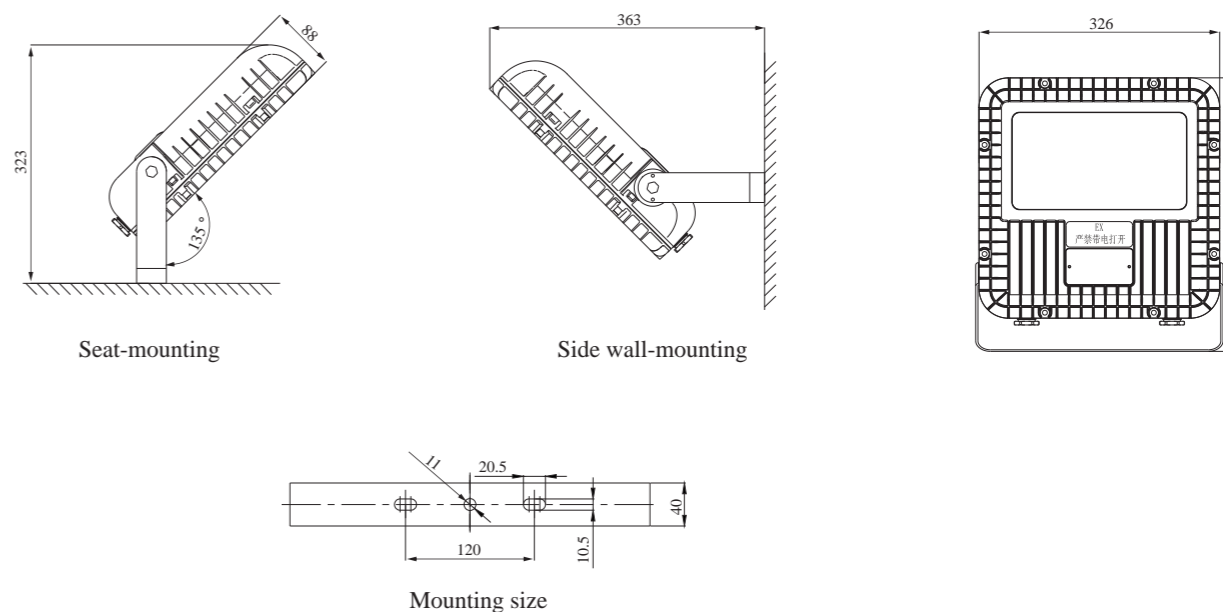
Ordering reference

Model No.	Type	Light Source	Normal illuminate Wattle (W)	Emergency Wattle (W)	Emergency Duration (minute)	Emergency Luminous Flux(lm)	Replace MH
BC9101A-L25-L15	Normal illuminate + Emergency	LED	25	15	120	2,134	35W
BC9101A-L40-L15			40	15	120	2,134	35W
BC9101A-L60-L15			60	15	120	2,134	35W
BC9101B-L15	Only Emergency	LED	/	15	120	2,134	35W
BC9101A-L25-L25	Normal illuminate + Emergency	LED	25	25	70	3,300	70W
BC9101A-L40-L25			40	25	70	3,300	70W
BC9101A-L60-L25			60	25	70	3,300	70W
BC9101B-L25	Only Emergency	LED	/	25	70	3,300	70W

Remark: BC9101A: Under normal condition, BC9101A will use normal external power to illuminate (its rated power can be made to 25W / 40W / 60W). In the case of power outage or in any situation where power is interrupted, this unit will automatically switch to battery backup (lamp wattle can be made to 15W / 25W under emergency mode) which will power the unit for 120 or 70 minutes (15W: 120minutes, 25W: 70minutes).

BC9101B is only applied for emergency lighting when power outage, and on normal condition it is off.

Drawing of dimension (Dimensions in mm)



*MH: Metal halide lamp

LED



Pole mounting Ceiling mounting

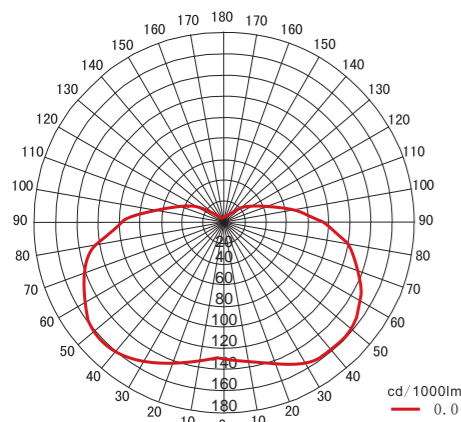
Ex Code: Ex d II C T6 Gb

Standard: GB3836.1, GB3836.2

IEC60079-1:2007,MOD



Light distribution curve



Application

- Ideal to be used in the oilfield, chemical industry, steel industry, power, port, Petroleum etc.
- Harsh environment, moist area.
- Gas explosive environment : Group IIA, IIB, IIC
- Zone 1, Zone2; Zone 21, Zone 22
- Temperature class: T1 to T6

Characteristics

- With the unique light distribution design, make the light well-distributed. Its beam angel can reach 220°. It efficiently utilize the light. Have a good performance of illuminance uniformity, glare free, can avoid eyestrain to the worker.
- It adopts American CREE LED as light source, can save 60% or more on energy than the metal halide lamp.
- Equipped world top ranking electrical appliance, ensure the lamp's performance more stable and efficient.
- The housing is especially designed to dissipate heat. Besides, it uses the thermal transmission to accelerate the heat conduction which increase the efficiency and lifespan of the LED, so that to ensure the 100,000 hours LED lifespan.
- The lamp is made to the highest explosion proof protection grade: flame proof, so that ensure the lamp can safely used in all kinds of inflammable and explosive places.
- The lamp can be parallel connected, no need to use the junction box.
- The anti corrosion, abrasion proof, power coated cover which is dust proof, water proof, make the lamp an excellent option for all kinds of high stress environment.

Main specification

Input Voltage	90~264VAC / 127~370VDC
Output Voltage	42VDC
Frequency	50Hz / 60Hz
Recharge Time	>5 hours
Ingress Protection	IP66
Anti Corrosion Grade	WF2
Insulation Grade	I
Space Height Ratio	3.5
Thread	G3/4"
Leading-in cable diameter	8mm - 14mm
Dimension	240 × 220mm
Net Weight	5Kg

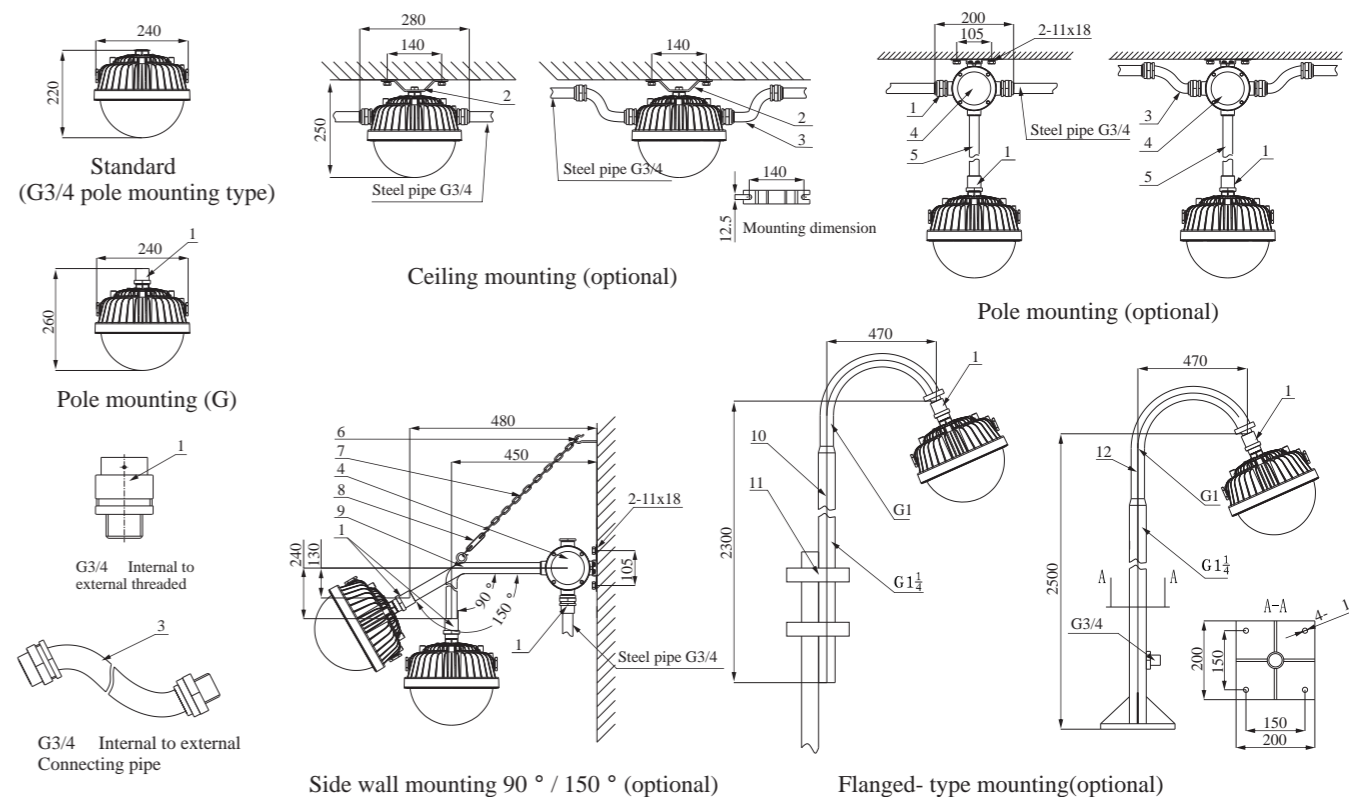
Ordering reference

Model No.	Type	Light Source	Normal illuminate Wattle (W)	Emergency Wattle (W)	Emergency Duration (minute)	Emergency Luminous Flux(lm)	Replace MH
BC9302A-L25-L15	Normal illuminate + Emergency	LED	25W	15W	120	2,134	35W
BC9302A-L40-L15			40W	15W	120	2,134	35W
BC9302A-L60-L15			60W	15W	120	2,134	35W
BC9302B-L15	Only Emergency	LED	/	15W	120	2,134	35W
BC9302A-L25-L25	Normal illuminate + Emergency	LED	25W	25W	70	3,300	70W
BC9302A-L40-L25			40W	25W	70	3,300	70W
BC9302A-L60-L25			60W	25W	70	3,300	70W
BC9302B-L25	Only Emergency	LED	/	25W	70	3,300	70W

Remark: BC9302A: Under normal condition, BC9302A will use normal external power to illuminate (its rated power can be made to 25W / 40W / 60W). In the case of power outage or in any situation where power is interrupted, this unit will automatically switch to battery backup (lamp wattle can be made to 15W / 25W under emergency mode) which will power the unit for 120 or 70 minutes (15W: 120minutes, 25W: 70minutes).

BC9302B is only applied for emergency lighting when power outage, and on normal condition it is off.

Drawing of dimension(Dimensions in mm)



Accessories list (optional)

Number	Name	Quantity	Remark	Number	Name	Quantity	Remark
1	Explosion proof connector		G3/4 internal to external	7	Chain	1	
2	Mounting bracket	1		8	Turn buckle	1	
3	Connecting pipe	2	G3/4 internal to external	9	G3/4 bend pipe	1	90 degrees or 150 degrees
4	Explosion proof junction box	1	G3/4	10	Light pole	1	
5	G3/4 pole	1	The length is optional	11	U-bolts	2	
6	Screw hook	1		12	Flanged type pole	1	



IP65

-40 °C

+50 °C



E27



Explosion proof ballast box

Ex Code: Ex de II B T5

Ex de II B T4

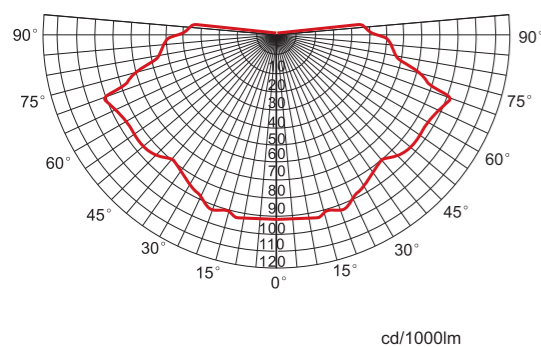
Standard: GB3836.1, GB3836.2, GB3836.3

IEC60079-1:2007,MOD

IEC60079-7:2006,MOD



Light distribution curve



Application

- Ideal to be used in the oilfield, chemical industry, steel industry, power, port, Petroleum etc.
- Harsh environment, moist area.
- Gas explosive environment : Group IIA, IIB.
- Zone 1, Zone2; Zone 21, Zone 22
- Temperature class: T1 to T6

Characteristics

- Under normal condition, BC9110A will use normal external power to illuminate.
- In the case of power outage or in any situation where power is interrupted, this unit will automatically switch to battery backup which will power the unit for 80 or 40 minutes. (BC9110A-J35:80 minutes, BC9110A-J70:940minutes)
- BC9110B is only applied for emergency lighting when power outage, and on normal condition it is off.
- 70w Equipped with international famous brand light source and electrical appliance, more stable performance and gives approximately 20% more light over the other manufacturer's.
- The average life span of the light source is more than 10,000 hours. Therefore it is low maintenance .
- Two Explosion-proof cavities structure. The wiring cavity is separated from the main flameproof cavity, enhancing safety.
- Made of aluminium alloy, high strength. The spray coating treatment ensure the lamp waterproof, anti corrosion.

Main specification

Input Voltage	220VAC 50Hz
Recharge Time	>12 hours
Ingress Protection	IP65
Anti Corrosion Grade	WF2
Insulation Grade	I
Space Height Ratio	2.6
Thread	G3/4"
Leading-in cable diameter	8mm - 10mm
Dimension	Lamp 400 × 266 × 170mm
	Ballast 325 × 246 × 120mm
Net Weight	Lamp 5Kg
	Ballast 5.5Kg

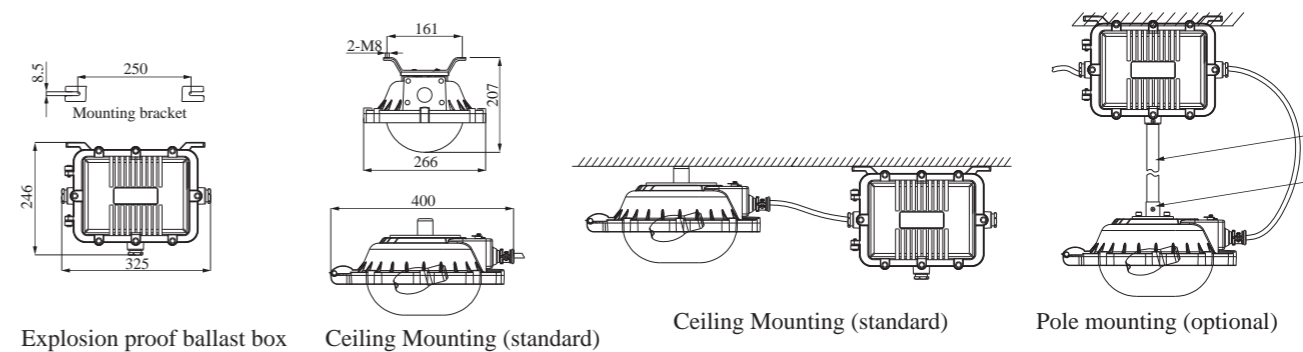
Ordering reference

Model No.	Type	Light Source	Normal illuminate Wattage (W)	Emergency Wattage (W)	Emergency Duration (minute)	Emergency Luminous Flux(lm)
BC9110A-J35	Normal illuminate + Emergency	Metal Halide Lamp	35W	35W	80	2,500
			35W	35W	80	2,500
BC9110B-J35	Only Emergency	Metal Halide Lamp	/	35W	80	2,500
BC9110A-J70	Normal illuminate + Emergency	Metal Halide Lamp	70W	70W	40	5,500
			70W	70W	40	5,500
BC9110B-J70	Only Emergency	Metal Halide Lamp	/	70W	40	5,500

Remark: BC9110A: Under normal condition, BC9110A will use normal external power to illuminate. In the case of power outage or in any situation where power is interrupted, this unit will automatically switch to battery backup which will power the unit for 80 or 40 minutes.

BC9110B is only applied for emergency lighting when power outage, and on normal condition it is off.

Drawing of dimension (Dimensions in mm)

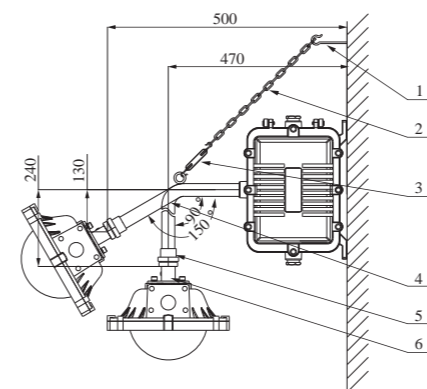


Explosion proof ballast box

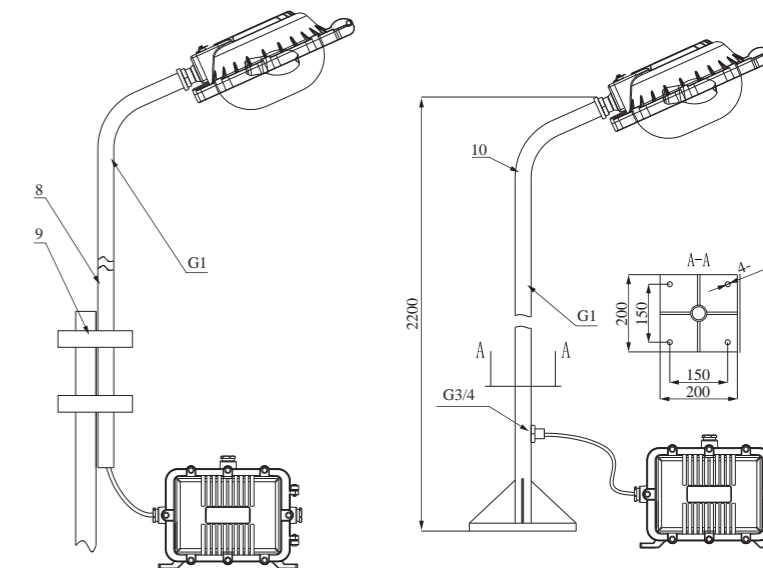
Ceiling Mounting (standard)

Ceiling Mounting (standard)

Pole mounting (optional)



Side wall mounting 90 ° / 150 ° (optional)

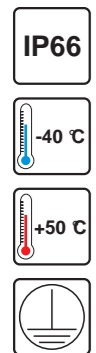


Streetlight-mounting (optional)

Accessories list (optional)

Number	Name	Quantity	Remark	Number	Name	Quantity	Remark
1	Screw hook	1		6	Mounting bracket	1	
2	Chain	1		7	G3/4 pole	1	The length is optional
3	Turn buckle	1		8	Light pole	1	
4	G3/4 pole	1	90 degrees or 150 degrees	9	U-bolts	2	
5	Explosion proof connector	1	G3/4 internal to external	10	Flanged type pole	1	

LED



Application

It is ideal to use in the factory, railway station, workshop, large storage, gym, large scale building area, tunnel and laneway as emergency illumination.

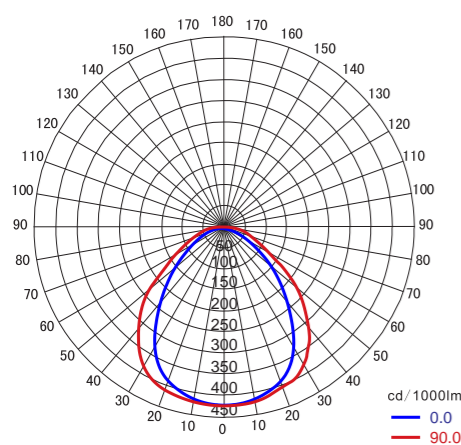
Characteristics

- With its reflector which have different angles design, it efficiently utilize the light. Have a good performance of illuminance uniformity, glare free, can avoid eyestrain to the worker.
- It adopts American CREE LED as light source, can save 60% or more on energy than the metal halide lamp
- Efficient radiator effective solve the LED light failure caused by temperature rising, so as to ensure that LED life up to 100,000hrs.
- Equipped with world top ranking brand, Taiwan Meanwell electrical appliance with power factor 0.98, make the lamp's performance more stable and efficient.
- The locking device on the bracket will keep the lamp from shift or trembling during harsh vibration.
- The housing adopts high-tech surface spraying technology, abrasion resistance corruption, waterproof, dustproof, suitable to be used in all kinds of environments
- Easy to install and maintenance.

Main specification

Input Voltage	90~264VAC / 127~370VDC
Output Voltage	42VDC
Frequency	50Hz / 60Hz
Recharge Time	>5 hours
Ingress Protection	IP66
Anti Corrosion Grade	WF2
Insulation Grade	I
Space Height Ratio	4.5
Thread	G3/4"
Leading-in cable diameter	6mm - 8mm
Dimension	300 × 300 × 75mm
Net Weight	4.7Kg

Light distribution curve



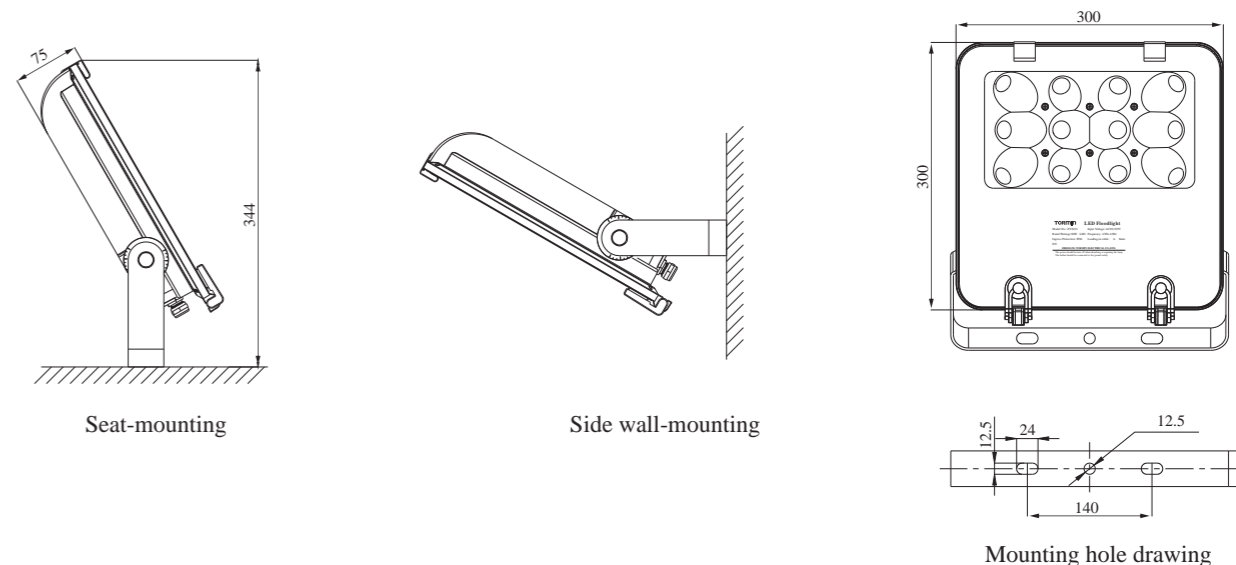
Ordering reference

Model No.	Type	Light Source	Normal illuminate Wattage (W)	Emergency Wattage (W)	Emergency Duration (minute)	Emergency Luminous Flux(lm)	Replace MH
ZY8101A-L25-L15	Normal illuminate + Emergency	LED	25W	15W	120	2,134	35W
ZY8101A-L40-L15			40W	15W	120	2,134	35W
ZY8101A-L60-L15			60W	15W	120	2,134	35W
ZY8101B-L15	Only Emergency	LED	/	15W	120	2,134	35W
ZY8101A-L25-L25	Normal illuminate + Emergency	LED	25W	25W	70	3,300	70W
ZY8101A-L40-L25			40W	25W	70	3,300	70W
ZY8101A-L60-L25			60W	25W	70	3,300	70W
ZY8101B-L25	Only Emergency	LED	/	25W	70	3,300	70W

Remark: ZY8101A: Under normal condition, ZY8101A will use normal external power to illuminate (its rated power can be made to 25W / 40W / 60W). In the case of power outage or in any situation where power is interrupted, this unit will automatically switch to battery backup (lamp wattage can be made to 15W / 25W under emergency mode) which will power the unit for 120 or 70 minutes (15W: 120minutes, 25W: 70minutes).

ZY8101B is only applied for emergency lighting when power outage, and on normal condition it is off.

Drawing of dimension (Dimensions in mm)



*MH: Metal halide lamp

LED

IP65

-40 °C

+50 °C



Application

This product is ideal to use as floodlight or emergency lighting in workshops, warehouses, trenches, tunnels and some other public places.

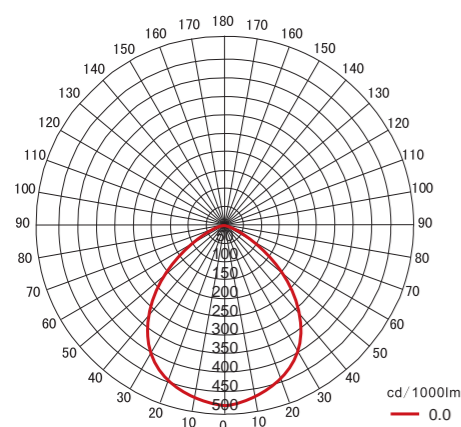
Characteristics

- Has tested function, can quickly test lamps installed function is normal or not.
- The light source adopts the world's most bright LED, the United States CREE brand, power consumption for only 40% of the metal halide lamp.
- Efficient radiator effective solution the LED failure which because of temperature rise, so as to ensure the life to 100,000 hours.
- The transparent part is made of the imported PC materials, with anti-dazzle design. Featuring gentle light, even lighting and no dazzle, it can effectively avoid visual fatigue caused to operators during the operation.
- Emergency power using lithium-ion polymer battery, safe and effective long service life.

Main specification

Parameter	Unit	ZY8810A / ZY8820A	ZY8810B / ZY8820B
Output Voltage	VAC	90~264	
Frequency	Hz	50Hz / 60Hz	
Output Voltage	VDC	14	
Light power	W	12	6
Luminous	lm	1,144	572
LED adverage life	h	100,000	
Emergency time	h	10	10
Charging time	h	7	
Battery life		Cycle 1000	
Space Height Ratio		2	
Dimension	mm	180 × 130 × 65	
Net Weight	Kg	2	

Light distribution curve



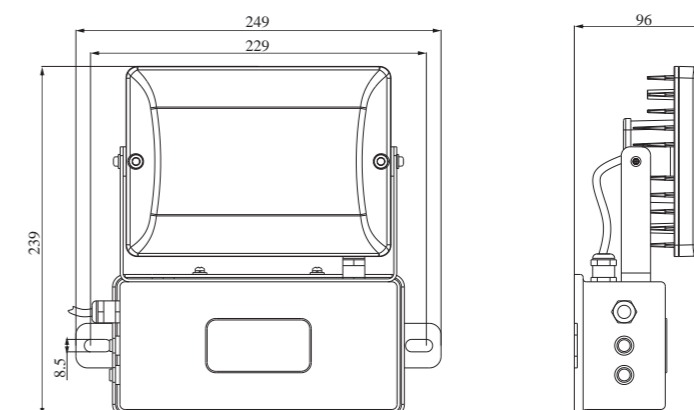
Ordering reference

Ordering Reference	Type	Light Source	Emergency Wattage (W)	Emergency Duration (hours)	Luminous flux (lm)	Replace	
						Fluorescent lamp	CFL *
ZY8810A	Normal illuminate + Emergency	LED	12	10	1,144	36W	28W
ZY8810B		LED	6	10	572	18W	18W
ZY8810C		LED	6	6	572	18W	18W
ZY8820A	Only Emergency	LED	12	10	1,144	36W	28W
ZY8820B		LED	6	10	572	18W	18W
ZY8820C		LED	6	6	572	18W	18W

Remark: ZY8810series: Under normal condition, ZY8810series will use normal external power to illuminate. In the case of power outage or in any situation where power is interrupted, this unit will automatically switch to battery backup which will power the unit for 10 or 6 hours.

ZY8820series is only applied for emergency lighting when power outage, and on normal condition it is off.

Drawing of dimension (Dimensions in mm)



*CFL: Compact Fluorescent Lamp

IP65

-40 °C

+50 °C



E27



Application

It is ideal to use in the factory ,railway station, workshop, large storage, gym, large scale building area , tunnel ,and laneway as floodlight illumination or emergency lighting.

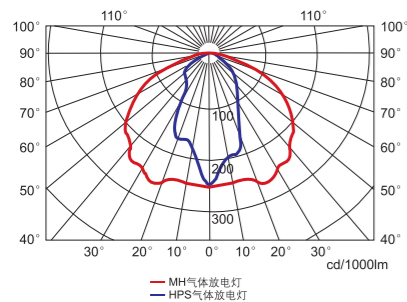
Characteristics

- 70W light source adopts famous international brand with performance stable. It gives 20% more light over the other manufacturers'.
- The glass of the lamp is glare free which avoid the eyestrain caused to the operator.
- Multiple anti corrosion structure and the high intensity aluminium alloy material ensure the lamp can work for a long time in the high frequency vibration atmosphere.
- The surface is subjected to spraying treatment .It can be used in the humid and high temperature and any other extreme atmosphere .
- Multiple mounting options: seated mounted, ceiling mounted, wall mounted etc. The lamp's illumination angle can be adjusted within 180 ° according to the application.

Main specification

Input Voltage	220VAC 50Hz
Recharge Time	>12 hours
Ingress Protection	IP65
Anti Corrosion Grade	WF2
Insulation Grade	I
Space Height Ratio	4.5
Leading-in cable diameter	6mm - 8mm
Dimension	Lamp 340 × 293 × 208mm
	Ballast 325 × 215 × 150mm
Net Weight	Lamp 4Kg
	Ballast 5.5Kg

Light distribution curve



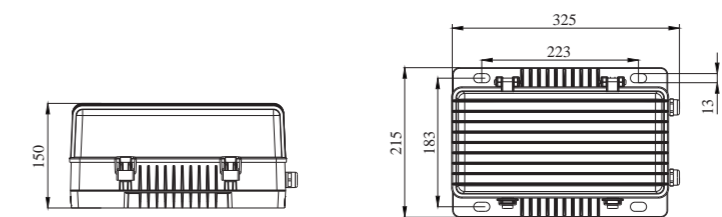
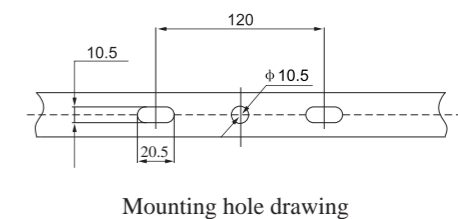
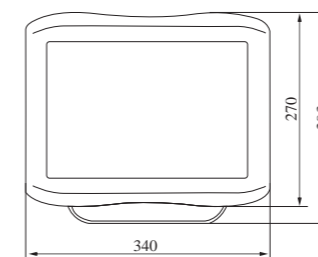
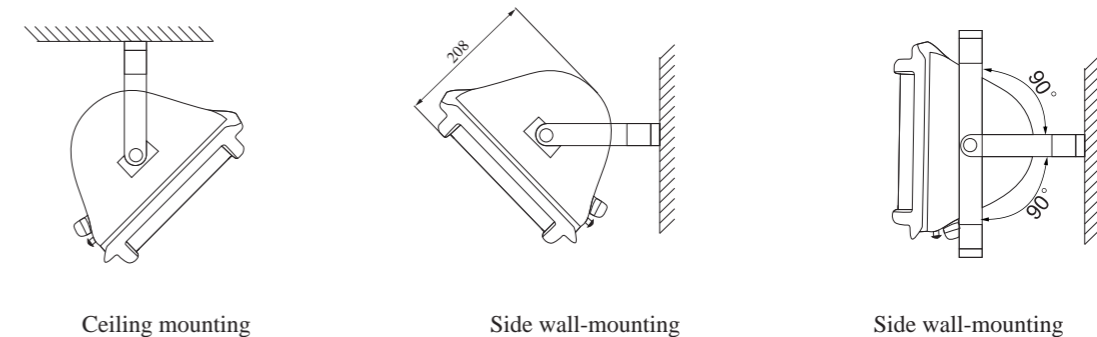
Ordering reference

Model No.	Type	Light Source	Normal illuminate Wattage (W)	Emergency Wattage (W)	Emergency Duration (minute)	Emergency Luminous Flux(lm)
ZY8110A-J35	Normal illuminate + Emergency	Metal Halide Lamp	35W	35W	80	2,500
			35W	35W	80	2,500
ZY8110B-J35	Only Emergency	Metal Halide Lamp	/	35W	80	2,500
ZY8110A-J70	Normal illuminate + Emergency	Metal Halide Lamp	70W	70W	40	5,500
			70W	70W	40	5,500
ZY8110B-J70	Only Emergency	Metal Halide Lamp	/	70W	40	5,500

Remark: ZY8110A: Under normal condition, ZY8110A will use normal external power to illuminate. In the case of power outage or in any situation where power is interrupted, this unit will automatically switch to battery backup which will power the unit for 80 or 40 minutes.

ZY8110B is only applied for emergency lighting when power outage, and on normal condition it is off.

Drawing of dimension (Dimensions in mm)



Emergency Ballast

LED



IP66

-20 °C

+50 °C



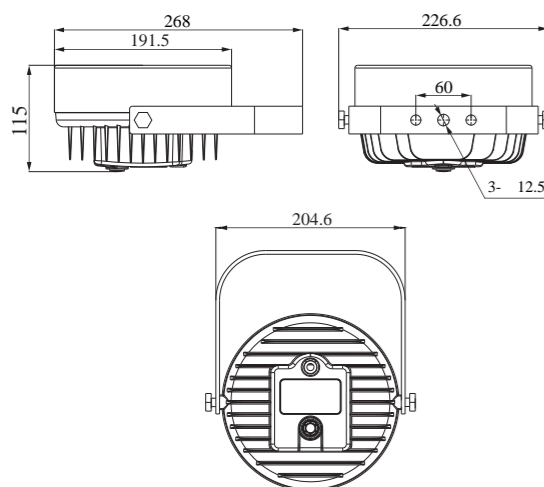
Spotlight

Floodlight

Ex Code: Ex d IIC T6
Standard: GB3836.1, GB3836.2
IEC60079-1:2007,MOD



Drawing of dimension (Dimensions in mm)



Application

This products is designed for use on the well serving unit, tractor hoist, oil derrick and other vehicles in the explosive area.

Characteristics

- The lighting system consists of increased safety control box, lamp and cable.
- The generator on the tractor hoist will power the units when the vehicle is working, and it is also recharging the units at the same time.
- Good illuminate effect: The four lamps are mounting on the oil derrick. The floodlight can provide large area illuminating. The spotlight can mount on the wellhead. We can provide more lamps according to customers' requirements.
- When the vehicle starts, it will charge the units automatically. The extra energy will be saved to the control box.
- Two discharge switches. When the tractor hoist starts, operator should use the regular discharge switch. Or the battery switch should be turn on.
- When blowout happens, the battery in the control box can power the units for 10 hours. Meeting the emergency lighting requirement.

Components

- Increased safety control box: battery, explosion proof switch, explosion junction box, control circuit.
- Lamp: 2-spotlight; 2-floodlight.
- The lamps are mounting on the derrick, the illuminating direction is adjustable. The lamps are connected to the control box by cables (15meters length)

Main specification

Specification	BW3210A-4	
Rated voltage	24VDC	
Rated power	4 × 30W	
Continuous Working Time	10h	
Dimension	Lamp	191.5 × 115cm
	Control box	396 × 332 × 344cm
Weight	83Kg	

LED



IP66

-20 °C

+50 °C



Spotlight

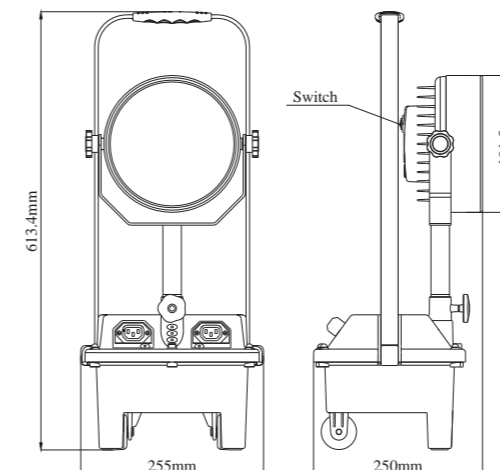
Floodlight

Ex Code: Ex de IIC T6
Standard: GB3836.1, GB3836.2, GB3836.3
IEC60079-1:2007,MOD
IEC60079-7:2006,MOD



Extendable pole

Drawing of dimension (Dimensions in mm)



Application

This product is widely used as mobile lighting for all kinds of night work tasks, repairing, inspection and accident relief etc.

Characteristics

- Spot light beam or Flood light beam is available according to the application.
- Safe and reliable: flame proof type of protection. Suitable to be used in various flammable and explosive environment.
- Efficient&Energy-saving: It adopts CREE LED light source, high intensity, and 100,000 hours service life. It has battery level indication function. Operator can check the energy left at any time.
- Waterproof & Durability: The housing is made of aluminium alloy, insure the unit enable to stand the strong impact. It is sealed to IP66 preventing the ingress of dust and water. Suitable to be used in all kinds of harsh environment.
- Flexible & Convenient : The lamp head has 360 ° rotation and 135 ° tilt.
- The extendable pole is optional, with 1.2 to 1.7 meters extendable height. The wheels on the bottom make the transportation more easy.
- Intelligent charging : The charger is controlled by the chip . It protect against over-charging, over discharge and short circuit. When battery is fully charged. It will switch to trickle charging automatically.

Main specification

Specification	Unit	BW3210	
Rated Voltage	VDC	24	
Rated Capacity	Ah	12	
Charging Voltage	VAC	100-240	
LED	working Voltage	VDC	18.5
	Rated Power	W	30 / 15
	Light Output (high/low)	lm	2,300 / 1,600
	Average Service Life	h	100,000
Continuous Runtime	High	h	16
	Low	h	36
Recharge Time	h	12	
Effective Beam Distance	m	800	
Service Life Of Battery	Recycled	1,000	
Dimension	L × W × H	mm	255 × 250 × 610
Net Weight	Kg	14	



Charging socket



Charger

LED



IP68

-60 °C

+150 °C



Application

It is ideal as a personal indicator to identify the position of workers, it also can serve as signal communication tools in all kinds of hazardous area such as construction, fire fighting, rescue etc.

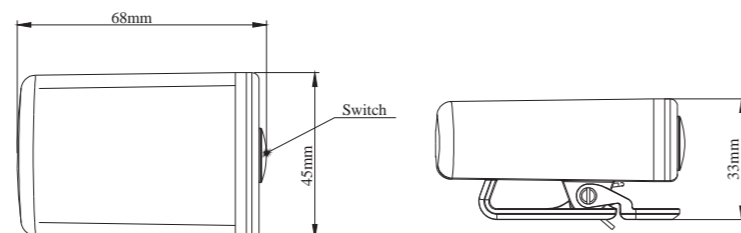
Characteristics

- Intrinsically safe type of protection, can be safely used in various flammable and explosive fields (including Zone 0).
- Waterproof & Drop Resistant: Made of PC material, drop resistant to 1 meter.
- Runtime: Powered by two AAA battery. Continuous runtime can exceed 500 hours.
- Flexible&Convenience: Small size, Light weight, easy to operation. It is magnetic, can be attached to the iron surface.
- Ambient Temperature: -60 -150 .
- Colour Available: The tracker light is available in the following five different colours according to customers requirements: red, blue, yellow, green, white.

Main specification

Specification	Unit	ZW4100A / BW4100B
Rated Voltage	VDC	3
Current	μ A	<3
Flashing Frequency	Hz	2.7
Max Impulse Current	mA	80
Dimension	mm	70 × 47 × 39
Net Weight	Kg	0.1

Drawing of dimension (Dimensions in mm)



Ex Code: Ex ia IIC T6
Standard: GB3836.1, GB3836.4
IEC60079-11:2006,MOD



Magnetic base



Arm mounting



Insurance clip

LED



IP67

-20 °C

+50 °C



Application

It is widely used as mobile lighting in the inflammable and explosive places such as petrochemical, power generation, mining, fire-fighting and metallurgy area etc.

Characteristics

- Adopts LED light source, which has a higher light efficacy and long service life. It is environment friendly.
- High intensity light and low intensity light is switchable.
- Small size and light weight. It is portable. The lamp can also be fixed onto the helmet. It is sealed to IP66, waterproof, dust resistant.
- The charging and discharging processes are controlled by the chip and provided with multi-protection, ensuring safety and high efficiency.

Main specification

Specification	Unit	BW6200E	
Rated Voltage	VDC	3.7	
Charging Voltage	VAC	100-240	
Rated Power	W	3	
Rated Capacity	Ah	4.4	
Illuminance (high / low)	At 1m	Lux	10,600 / 3,200
	At 3m	Lux	1,600 / 500
	At 5m	Lux	550 / 140
Runtime (high)	h	12	
Runtime (low)	h	25	
Service Life Of Bulb	h	100,000	
Recharge Time	h	8-10	
Effective Beam Distance	m	130	
Battery Recharge Cycle	Times	1,000	
Dimension	mm	185 × 185 × 75	
Net Weight	Kg	0.85	

Ex Code: Ex ic IIC T6 Gc
Standard: GB3836.1, GB3836.4
IEC60079-11:2006,MOD

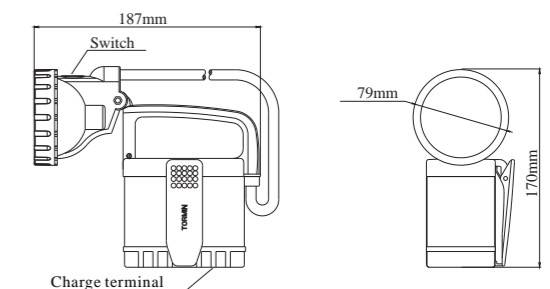


Portable



Head mounting

Drawing of dimension (Dimensions in mm)



LED



IP66

-20 °C

+50 °C



Application

It is widely used as mobile lighting in the power station, oil field, chemical industry, fire fighting, police, military and some other flammable and explosive or high stress environment.

Characteristics

- It adopts CREE LED light source with high luminous efficiency, 100,000 hours service life. Powered by rechargeable lithium battery, no memory effect, low discharge rate and environment friendly.
- Press the button for 2 seconds, the lamp will switch to flood beam mode which runtime can reach 55 hours.
- Equipped with magnetic base on the bottom, available adsorb to all kinds of iron material equipment
- The head of the searchlight is adjustable, within 120° according to the operator requirement.
- Small size and light weight, easy to carry.
- Light mode: High intensity light and low intensity light are switchable.
- Battery status indication and lower battery warning function. Operator can check the battery status at any time.
- The searchlight design has a large size handle and large button switch, easy to operate even with gloved hands.
- It is made of PC material, high strength body, have a good impact resistant performance. The searchlight is sealed to IP66.

Ex Code: Ex ib IIC T5
Standard: GB3836.1, GB3836.4
IEC60079-11:2006,MOD



Main specification

Specification	Unit	BW6210	
Rated Voltage	VDC	3.7	
Charging Voltage	VAC	100-240	
Rated Capacity	Ah	4.4	
Light Source	Luminous flux	lm	190
	Average Service Life	h	100,000
Continuous Runtime	High	h	8
	Low	h	40
	Floodlight	h	55
Recharge Time	h	8~10	
Battery Recharge Cycle	Times	1,000	
Net Weight	Kg	0.35	
Dimension	mm	193 × 74 × 115	



Magnetic



Head of the lamp tilt: 120°

LED



IP65

-20 °C

+50 °C



Application

It is used as safety helmet head light explosive gas, vapour and mist places. It is the ideal lighting solution for workers in power station, oil field, chemical industry, fire fighting, railway station, military etc.

Characteristics

- It not only can be fixed onto the helmet with the screws provided, but also can be fixed onto the helmet or head by the elastic headband. The head of the light is adjustable within 90°, operator can rotate the head of light to the desired direction.
- The red strobe light design to suit numerous application where indication is critical during emergency. Press the button and switch to the red strobe light mode, it can let others identify the position of the worker.
- This product has battery status indication and low battery warning function. Operator can check the battery status at any time. Towards the end of discharge, the beam flashes off repeatedly, warning recharging is required.
- Adopts CREE LED light source with high light efficacy and 100,000 hours service life. Use of the latest safety increased lithium-ion battery technology improves reliability and environment friendly.
- The charger is controlled by intelligent chip, with various protection.

Ex Code: Ex ib IIC T4
Standard: GB3836.1, GB3836.4
IEC60079-11:2006,MOD



Main specification

Specification	Unit	BW6310A	BW6310B		
Rated Voltage	VDC	3.7	3.7		
Charging Voltage	VAC	100-240	100-240		
Rated Capacity	Ah	1.4	1.4		
Light source	Light Output	High	lm	148	83
		Low	lm	83	55
	Flux (1 meter)	High	Lux	1,750	980
Low		Lux	950	550	
Service Life Of Bulb	h	100,000	100,000		
Runtime	High	h	4	8	
	Low	h	8	16	
Time Of Charging	h	4	4		
Battery Recharge Cycle	Times	1,000	1,000		
Dimension	mm	50 × 65 × 60	50 × 65 × 60		
Net Weight	g	85	85		



Head mounting



Helmet mounting

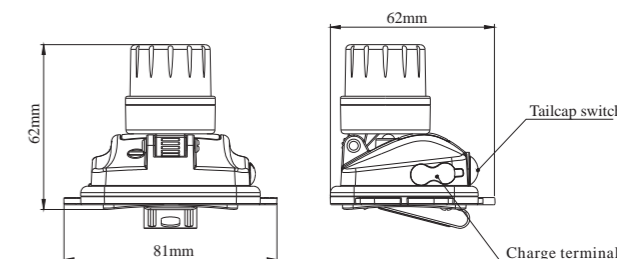


Head mounting



Buckle

Drawing of dimension (Dimensions in mm)



LED



Application

This product is ideal for use in patrol, inspection, repairing and other night work tasks in explosive and flammable atmosphere.

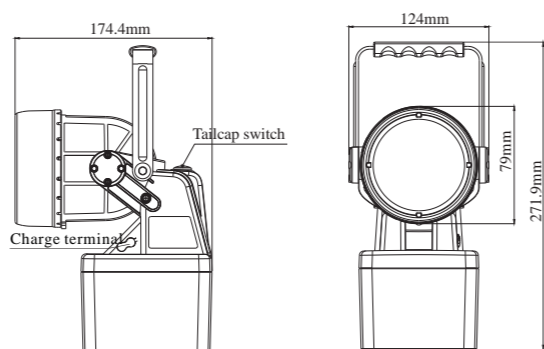
Characteristics

- Flame proof type of protection, approved for safe use in Potentially explosive gas, vapour and mist atmospheres. The head of the searchlight can give 135 ° vertical tilt so that operator can adjust the light to the desired location. Small size, light weight, easy to carry. It is portable, beside the magnetic base on the bottom, making the lamp can adsorb to all kinds of iron material equipment.
- The housing is made of imported PC material, drop resistant to 1 meter. It is sealed to IP66, suitable to be used in all kinds of high stress environment.
- Adopts CREE LED light source with high light efficacy and 100,000 hours service life. Use of the latest safety increased lithium-ion battery technology improves reliability and environment friendly.
- This product has battery status indication and low battery warning function, Operator can check the battery status at any time. Towards the end of discharge, the beam flashes off repeatedly, warning recharging is required.
- The charger is controlled by intelligent chip, with various protection function.

Main specification

Specification	Unit	BW6610A
Rated Voltage	VDC	10.8
Charging Voltage	VAC	100-240
Rated Power	W	3 × 3W
Rated Capacity	Ah	4.4
Light Output (high/low)	lm	810 / 465
Effective Range	m	600
Runtime (high)	h	7
Runtime (low)	h	13
Recharge Time	h	6
Service Life Of Bulb	h	100,000
Battery Recharge Cycle	Times	1,000
Dimension	mm	151 × 131 × 272
Net Weight	Kg	1.5

Drawing of dimension (Dimensions in mm)



Ex Code: Ex de IIC T6
 Standard: GB3836.1, GB3836.2, GB3836.3
 IEC60079-1:2007,MOD
 IEC60079-7:2006,MOD



Magnetic base



LED light source(CREE)



Charger

LED



Application

It is an efficient lighting tools to be used at the military, petrochemistry , oil field, customs inspection, police, patrol, rescue relief, railway, fire fighting and any other night work tasks.

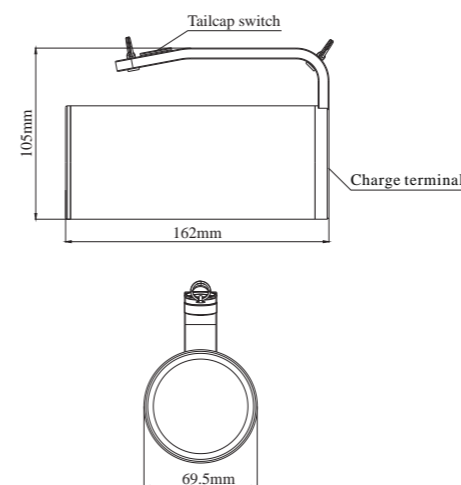
Characteristics

- Certified by National authority. Flame proof type of protection, designed according to explosion proof standard for safe use potentially explosive atmosphere.
- 3X3W CREE LED light source, 100,000 hrs service life. It uses CREE LED light source, with 100,000hours service life. The reflector adopts hi-tech surface finishing technology, make sure a high light reflectivity and no light shadow. Its effective beam range is about 1,500meters.
- Use of the latest high capacity lithium-iron battery with long service life improves reliability and eliminates ' memory ' affect. The strobe light can use as signal communication and personal indicator to identify the position of the workers.
- The body of the searchlight has treated with anodic oxidation technology. The flashlight is portable, also carried by the shoulder strap.
- The high strength aluminium alloy body can stand harsh impact. It is well sealed to IP67.
- It has battery status indication function, Operator can check the battery status at any time. The recharging is controlled by chip with quick recharging, over charged protection, short circuit protection and battery recharge level indication etc.

Ex Code: Ex dia IIC T6
 Standard: GB3836.1, GB3836.2, GB3836.4
 IEC60079-1:2007,MOD
 IEC60079-11:2006,MOD



Drawing of dimension



Main specification

Specification	Unit	BW7101		
Rated Voltage	VDC	12		
Charging Voltage	VAC	100-240		
Rated Capacity	Ah	4.4		
Light source	Working Voltage		VDC	12
	Current	High Light	A	0.9
		Working Light	A	0.35
	Light output	High Light	lm	975
Working Light		lm	465	
Avertage Service Life		h	100,000	
Runtime	High Light		h	8
	Working Light		h	16
	Frequency Light		h	20
Recharging Time		h	8	
Battery Recharge Cycle		Time	1,000	
Dimension	Length		mm	191
	Diameter		mm	68.5
Net Weight		Kg	0.8	

LED



Application

1. It is applicable to mobile lighting in Zone 1 and Zone 2 explosive and flammable places.
2. This product is used in the fields of electric power, fire fighting, petrol, petrochemical, metallurgy, etc. It can also be used for signal communication and personal indicator to identify the position of the workers.

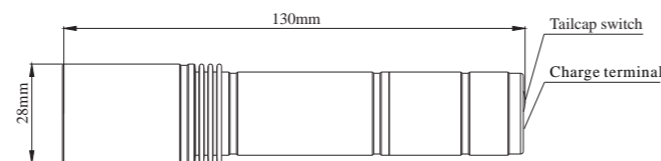
Characteristics

- It adopts CREE LED light source. BW7300A's effective beam range is 130meters. Its flashing beam can reach 6,000meters.
- It is sealed to Ip67, water proof to 1 meter. Powered by lithium battery which provide a long service life and low discharge performance.
- Light mode: high, low, strobe light.
- This product has battery status indication and low battery warning function, Operator can check the battery status at any time. Towards the end of discharge, the beam flashes off repeatedly, warning recharging is required.
- The flashlight can also fixed onto the helmet by the buckle. Its light beam angle is adjustable.
- The flashlight is supplied with a short strap. And it is designed for easy storage in pocket.
- The recharging and discharging is controlled by the chip with multiple protection.

Main specification

Specification	Unit	BW7300A	BW7300B
Rated Voltage	VDC	3.7	3.7
Charging Voltage	VAC	100-240	100-240
Rated Power	W	3	1
Rated Capacity Of Battery	Ah	2.2	2.2
Light Output (high/low)	lm	290 / 105	170 / 75
Effective Beam Range	m	200	120
Runtime (high)	h	4	8
Runtime (low)	h	10	18
Recharging Time	h	6	6
Service Life	h	100,000	100,000
Dimension	mm	28 × 130	28 × 130
Net Weight	g	125	125

Drawing of dimension (Dimensions in mm)



Ex Code: Ex d IIC T6
Standard: GB3836.1, GB3836.2
IEC60079-1:2007,MOD



Tail switch



Package



Angle adjustable buckle LED light source(CREE)



Charger

LED



Application

It is ideal for the night work tasks in explosive area such as fire fighting, gas station, power station, chemical industrial, police, inspection and some other high stress environment.

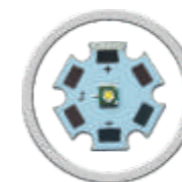
Characteristics

- It adopts CREE LED light source with high efficiency. BW7500A's effect beam range can reach 700meters. High intensity light and low intensity light are switchable.
- This product has battery status indication and low battery warning function, Operator can check the battery status at any time. Towards the end of discharge, the beam flashes off repeatedly, warning recharging is required.
- It is sealed to IP67, water proof to 1 meter. Powered by lithium battery which provide a long service life and low discharge performance.
- The flashlight surface adopts anti skidding treatment. Easy to carry.
- The charging, discharging, constant current controlled by the chip with multiple protection.

Ex Code: Ex d IIC T6
Standard: GB3836.1, GB3836.2
IEC60079-1:2007,MOD



Tailcap switch



LED light source(CREE)



Charger

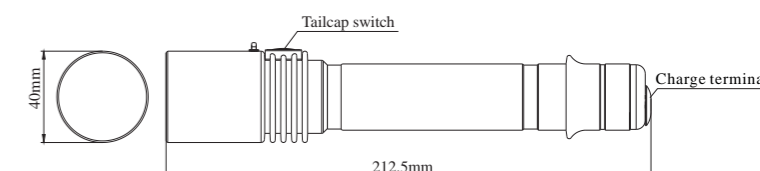


Portable

Main specification

Specification	Unit	BW7500A	BW7500B	BW7500C
Rated Voltage	V	3.7	3.7	3.7
Charging Voltage	V	100-240	100-240	100-240
Rated Power	W	5	3	1
Rated Capacity Of Battery	mAh	4,400	4,400	4,400
Light Output (high)	lm	432	285	149
Light Output (low)	lm	250	130	70
Effective Beam Range	m	400	250	150
Runtime (high)	h	3	6	12
Runtime (low)	h	10	10	20
Recharge Time	h	8-10	8-10	8-10
Service Life Of Bulb	h	100,000	100,000	100,000
Battery Recharge Cycle	Times	1,000	1,000	1,000
Dimension	mm	40 × 210	40 × 210	40 × 210
Net Weight	Kg	0.3	0.3	0.3

Drawing of dimension (Dimensions in mm)



IP66

-20 °C

+50 °C



ZW3100B

ZW3100C

Application

This product is widely used as mobile lighting for all kinds of night work tasks, repairing, inspection, construction, and accident relief etc.

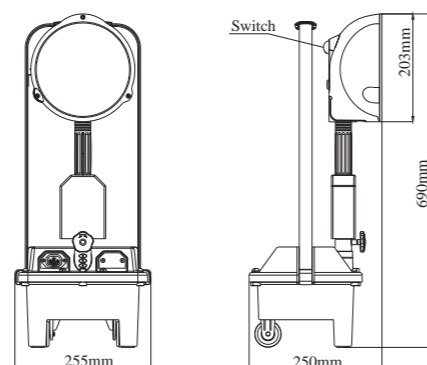
Characteristics

- The housing is made of PC and aluminium alloy, can stand strong impact. It is waterproof
- ZW3100B: halogen bulb, the high intensity light and low intensity light are switchable.
- ZW3100C adopts HID light source, which give 4 times more light than the halogen bulb.
- The head of the lamp can be rotated 360 ° horizontally and 135 ° vertically.
- Tripod is optional. The tripod is extendable within 1.2-3 meters.
- The wheel is optional, it enable the lamp move easily on the rail.

Main specification

Specification	Unit	ZW3100B	ZW3100C
Rated Voltage	VDC	24	12
Charging Voltage	VAC	100-240	100-240
Rated Power	W	100 / 35	35
Rated Capacity	Ah	12	24
Light Output (high/low)	lm	2,500 / 850	3,200
Runtime (high/low)	h	3.5 / 10	8
Recharging Time	h	9	9
Service Life Of Bulb	h	1,200	10,000
Battery Recharge Cycle	Times	1,000	1,000
Dimension	mm	255 × 250 × 610	255 × 250 × 610
Net Weight	Kg	13.5	13.5

Drawing of dimension (Dimensions in mm)



Tripod (optional)



Rotary switch



Charging socket



Track wheel



HID light source



Charger

IP66

-20 °C

+50 °C



Application

It is ideal to be used in the wild, road or on the sea for searching, patrol, rescue etc.

Characteristics

- ZW3320A and ZW3320B use HID super-white light source, which has high light efficacy and low power consumption. It saves 25% energy than the normal light source. The average service life is above 12,000hours. Reduce the maintenance cost.
- Imported high-purity aluminum reflector that adopts professional light distribution design promote the reflection efficiency, and extend the lighting distance.
- Wireless remote control mode. The lamp can be operated within 30meters by the remote control.
- The searchlight gives a full 360 ° horizontal rotation, 180 ° vertical tilt.
- A magnet base is attached to the bottom of the lamp. That enable the lamp can fitted on the top of the vehicle. It can meet needs of car driving speed at 80KM/h.
- Its lightweight and small size make the light easy to handle and save lots of space. When press the reset button on the remote controller, the lamp will fold automatically.
- 220V power converter or 12V/24V reserved battery are optional as input power supply according to the customers' requirement .

Main specification

Specification	Unit	ZW3320A	ZW3320B	ZW3320C
Rated Voltage	VDC	9~28	9~28	12
Light Source	W	35W	45W	100W
Light Output	lm	3,200	4,100	2,500
Service Life Of Bulb	h	12,000	12,000	1,000
Remote Charge Distance	m	30		
Horizontal Turning Angle	Degree	0-360		
Vertical Turning Angle		0-180		
Dimension	mm	370 × 315 × 187		
Net Weight	Kg	4.6	4.6	4.5

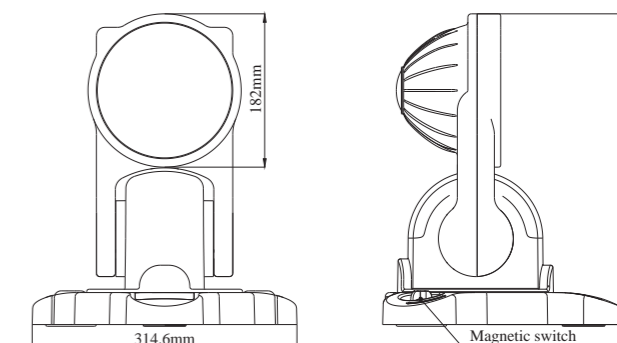


Adaptor



Controller

Drawing of dimension



IP65



Model B

Model A

Application

It is applicable to large and high brightness lighting in the operation sites of large scale construction, rescue and maintenance, accident handling, disaster relieve, etc.

Characteristics

- The unit can tilt within 300 degrees vertically. The remote control can control the lamp rotation and the light tower on/off within 30meters.
- The air pump controls extension of the mast.
- The caster wheels and railway wheels on generator set ensure the easily transportation on uneven road.
- The unit is made of high strength metallic materials to ensure the normal operation under various harsh environments and climate. It is IP65, and can stand force 8 wind fresh gale.
- This product is adjustable according to customer's requirements.
- Equipped with control box except the remote control. When the remote control doesn't work or the battery dead, operator can use the control box to control the light tower.



Main specification

Specification		Unit	ZW3500A	ZW3500B	ZW3510A	ZW3510B
Rated Voltage		VAC	220	220	220	220
Lamp	Power of lamp head	W	4 × 500	4 × 500	4 × 1,000	4 × 1,000
	Light output	lm	4 × 10,000	4 × 10,000	4 × 20,000	4 × 20,000
	Average service life	h	2,000	2,000	2,000	2,000
Continuous working time	Units once filled oil	h	9-13	9-13	9-13	9-13
High luminance of lamp disc	Minimum height	mm	1,850	1,850	1,850	1,580 or 2,100
	Maximum lifting height		6,300	4,500	6,300	3,500 or 4,500
Generation set	Rated output power/ rated volume of the fuel	W/L	2,000/15	2,000/15	5,000/25	5,000/25
Overall dimension	Length × Width × Height	mm	800 × 500 × 750	1,600 × 500 × 800	900 × 550 × 850	1,600 × 550 × 900
Net Weight		Kg	78	78	110	103



Controller



Output sockets



Adjust the angle automatically



Portable



Controlling box (optional)

IP65

-20 °C

+50 °C



Application

This product is for use as large area illumination solution on the working sites of large constructions, maintenance, repair, accident spot, and disaster relief etc.

Characteristics

- The lamp's illuminating angle can be adjusted vertically and horizontally. Its light can cover an area which's radius is 100-150m.
- The lamp is designed to stand harsh vibration. Which solves the bulb and bracket break problem.
- The air pump controls extension of the mast. The remote control can control the on/off of the light tower within 30meters.
- The caster wheels and railway wheels on generator set ensure the easily transportation on uneven road.
- The unit is made of high strength metallic materials to ensure the normal operation under various harsh environments and climate. It is IP65, and can stand force 8 wind fresh gale.
- This product is adjustable according to customer's requirements.

Main specification

Specification		Unit	ZW3500C	ZW3510C	
Rated voltage		VAC	220	220	
Lamp panel	Power		W	2 × 400	2 × 1,000
	HPS discharge lamp	Light output	lm	2 × 48,000	2 × 140,000
		Lamp useful time	h	28,500	28,500
	MH discharge lamp	Light output	lm	2 × 36,000	2 × 105,000
		Lamp useful time	h	9,000	9,000
Continuous operation time		h	13	13	
Cylinder	Smallest rise height		mm	1,750	1,750
	Highest rise height		mm	3,500	3,500
Generator	Rated output power/ rated capacity of fuel oil		W/L	2,000 / 15	5,000 / 25
Dimension	length × width × height		mm	1,500 × 500 × 800	1,500 × 500 × 800
Weight		Kg	72	112	



Illuminate Angle adjustable



Controller

IP65



Application

This unit is for use at all kinds of night work site and rescue and relief work spot.

Characteristics

- The cart adopts the aluminum frame, light weight and easy for transportation.
- It uses digital inverter petrol generator set, with stable performance, quiet and light weight.
- Equipped with ceramic metal halide light source with long service life and high efficacy.
- The mast extension height is 1.45-2.8meters. The mast is foldable.
- Easy to transportation on bumpy road
- LED lamp is available according to customers' requirements.

Main specification

Specification	Unit	ZW3520B
Generator rated output voltage	VAC	220
Generator max output power	KVA	1.05
Generator rated output power	VA	900
Generator DC output		12V / 8.3A
Rated Power	W	2 × 150
Light output	lm	2 × 11,500
Operation time after full fueled	h	>6
Mast extension height	mm	1,450~2,800
Beam range (11x)	m	90
Weight	Kg	42



IP65



Application

This product is suitable for use as large area illumination solution at the working sites of constructions, maintenance, repair, accident spot, and disaster relief etc.

Characteristics

- The cart adopts the aluminum frame, light weight and easy for transportation.
- Famous world brand components, stable and efficient.
- The mast extension height is 1.45-2.8meters. The mast is foldable.
- Easy to transportation on bumpy road
- LED lamp is available according to customers' requirements.

Main specification

Specification	Unit	ZW3520C	
Rated voltage	VAC	220V	
Generator DC output		12V / 8.3A	
Lamp	Rated Power	W	2 × 150
	Light output	lm	2 × 11,500
	Service life	h	10,000
Operation time after full fueled	h	>6	
Min extension height	mm	1,450	
Mast extension height	mm	2,800	
Generator	Rated output power / Fuel capacity	KW/L	0.9 / 3.8
Dimension	L*W*H	mm	720 × 475 × 1,645
Weight	Generation and lamp	Kg	47.5



LED

IP66

-20 °C

+50 °C



Application

This product is suitable for inspection, repairing, rescue, and some other night work tasks.

Characteristics

- This unit have hand recharge function which meet the customer's quick recharge requirement. It can also charge your mobile phone.
- Adopt CREE LED as light source with high luminous efficiency, 100,000 hours service life. Powered by rechargeable lithium battery, no memory effect, low discharge rate and environment friendly.
- Press the button for 2 seconds, the lamp will switch to floodlight mode which runtime can reach 55 hours.
- Equipped with magnetic base on the bottom, available adsorb to all kinds of iron material equipment, making it more convenience for the operator to work.
- The head of the lamp is adjustable, 120 ° tilt.
- The unit is small size and light weight, easy to carry.
- High light and low light are switchable easily.
- The unit has battery status inspection function and low battery warning function. User can check the battery level at any time. The searchlight design has a large size handle and large button switch, easy to operate even with gloved hands.
- The fluorescent material rubber plug on the bottom of the lamp can serve as a personal indicator and safety warning function.
- It is made of PC material, high strength body and sealed to IP66.

Main specification

Specification	Unit	ZW6220	
Rated voltage	VDC	3.7	
Charging Voltage	VAC	100-240	
Rated capacity	Ah	4.4	
Light source	Light Output	lm	190
	Average serive life	h	100,000
Searchlight runtime when hand recharge for 1 minute	min	30	
Runtime	High light	h	8
	Working light	h	40
	Floodlight	h	55
Reharging time	h	8	
Battery recharge cycle	Times	1,000	
Net weight	Kg	0.35	
Dimension	mm	193 × 74 × 115	



Magnetic



Lamp head rotation



Available to charge mobile battery



Hand recharge

LED

IP65

-20 °C

+50 °C



Application

It is used at railway, aviation and other transportation area and some special fields, serving as signal indication, safety warning and normal illumination.

Characteristics

- ZW7600 uses CREE LED light source, with 100,000hours service life. The reflector adopts hi-tech surface finishing technology, make sure a high light reflectivity. The effective beam range can exceed 100 meters. Any two of the red, yellow, green light can be chosen as signal light. Its coloured signal light's beam distance can reach 5,000meters.
- ZW7600A uses ultra bright 5 LED as light source, with 100,000hours service life. Equipped three color light: red, green, yellow. Its colored signal light's beam distance can reach 5,000meters.
- It is sealed to IP65 preventing the ingress of water; The housing is made of PC material, drop resistant to 1 meter. It can withstand high and low temperature suitable to be used in all kinds of harsh environment.
- The rear light on its tail is ideal as a personal indicator to identify the position of the users. It eliminates the danger and ensure the user's safety in the dark.
- Use of the latest large bulk capacity lithium-iron battery with long service life improves reliability and eliminates 'memory' affect.



Main specification

Specification	Unit	ZW7600	ZW7600A	
Rated voltage	VDC	3.7	3.7	
Charging Voltage	VAC	100-240	100-240	
Rated capacity	Ah	2.8	2.8	
Current	White Worklight		380	/
	Signal light	mA	120	200
	Real light on the tail		20	20
Light Output	lm	170	85	
Runtime	White worklight	h	10	/
	Signal light	h	30	14
Recharging time	h	8	8	
Service Life	h	100,000	100,000	
Battery Recharge Cycle	Times	1,000	1,000	
Dimension	External diameter	mm	66	66
	Length		172	172
Net weight	g	265	265	



ZW7600A Three-colour



ZW7600 Two-colour



Tail light

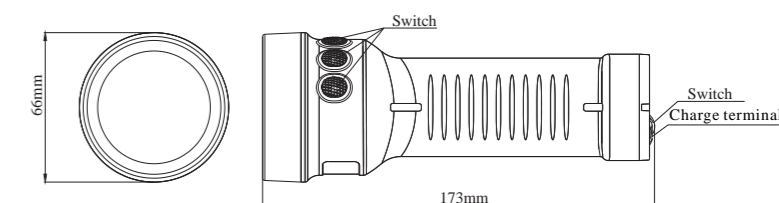


Portable

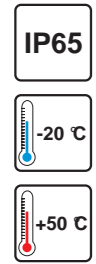


Charger

Drawing of dimension (Dimensions in mm)



LED



Application

It is used at railway, aviation and other transportation area and some special fields, serving as normal illumination and emergency lighting.

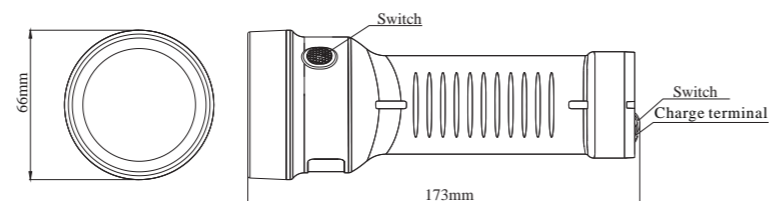
Characteristics

- It uses CREE LED light source, with 100,000hours service life. The reflector adopts hi-tech surface finishing technology, enable a high light reflectivity. The beam range can exceed 100 meters.
- It is sealed to IP65 preventing the ingress of water; The housing is made of PC material, drop resistant to 1 meter. It can withstand high and low temperature suitable to be used in all kinds of harsh environment.
- The rear light on its tail is ideal as a personal indicator to identify the position of the users. It eliminates the danger and ensure the user's safety in the dark.
- Use of the latest large bulk capacity lithium-iron battery with long service life improves reliability and eliminates 'memory' affect.
- Easy to carry..

Main specification

Specifiatioin	Unit	ZW7610
Rated voltage	VDC	3.7
Charging Voltage	VAC	100-240
Rated capacity	Ah	2.8
Current	Work Light	380
	Rear light on the bottom	20
Light Output	lm	170
Effective beam range	m	120
Average serive life	h	100,000
Runtime	h	10
Recharging time	h	12
Battery Recharge Cycle	Times	1,000
Dimension	mm	66 × 172
Net weight	g	265

Drawing of dimension (Dimensions in mm)



LED light source(CREE)



Tail light

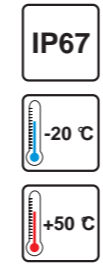


Portable



Charger

LED



Application

It is widely used in the public security department, railway, military, police, transportation, civil aviation, inspection and customs preventive officer etc.

Characteristics

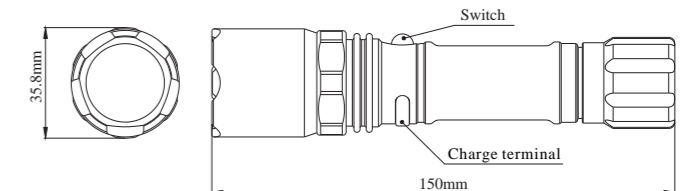
- The flashlight has a special attack head design. It is perfect for security defence. It is also anti skidding.
- It uses CREE LED light source ,with long life span. It is high efficiency and environment friendly.
- The flashlight have three modes as high/low/ strobe. The user feel free to transfer between these modes.
- The flashlight is well sealed, water proof to 1 meter. Its high strength aluminium alloy housing makes the flashlight resist to harsh impact.
- Recharging and discharging are controlled by intelligent chip, safe and efficient, with various protection.
- ZW7710 equipped with two chargers, AC220V charger and 12V car charger
- Generally, ZW7710A don't have 12V car charger, We can provide 12V car charger for ZW7710A as customers' requirement.



Main specification

Specification	Unit	ZW7710	ZW7710A
Rated voltage	VDC	3.7	3.7
Charging Voltage	VAC	100-240	100-240
Rated power	W	3	1
Rated capacity	Ah	2.2	2.2
Light Output (High)	lm	248	110
Light Output (Low)	lm	95	70
Runtime (High)	h	3	9
Runtime (Low)	h	10	19
Recharging Time	h	6	6
Effective Beam Range	m	200	120
Service Life	h	100,000	100,000
Battery Recharge Cycle	Times	1,000	1,000
Diension	mm	35 × 150	35 × 150
Net weight	g	190	190

Drawing of dimension (Dimensions in mm)



LED light source(CREE)



Side switch



Recharge hole



Attacker



Charger



Package