

Shayan Electric industrial group

A different name in the led lighting industry

Technical specifications of explosion-proof LED lighting products



15 July 2023

**BC5401 Series
LED Explosion Proof Light**



IECEx

ATEX

CE

RoHS

IP 66

Ta 55

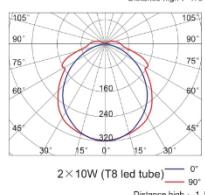
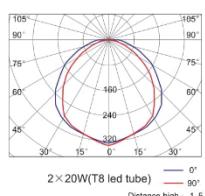
Ta -40



Ex marking: Ex de op is IIC T5 Gb
Ex op is IIB T95°C Db, IP66

■ Zone1, Zone2; Zone21, Zone22

Light distribution curve

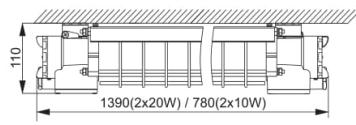


Main Specification

Item	Technical Parameters	
Rated wattage (W)	2×20W(T8)	2×10W (T8)
Input voltage (V)	90~264VAC	
Rated frequency	50Hz / 60Hz	
Light source	LED	
Light output (lm)	3900	1800
CRI (Ra)	80	
Life time (h)	50,000	
CCT	5000K	
Cable entry thread	M20×1.5, M25×1.5, NPT3/4", NPT1/2", G3/4"	
Terminals	Multi core: ≤ 2.5mm ² Single core: ≤ 4mm ²	
Dimension (mm)	1390×180×110	780×180×110
Net weight (kg)	10.7	6.6

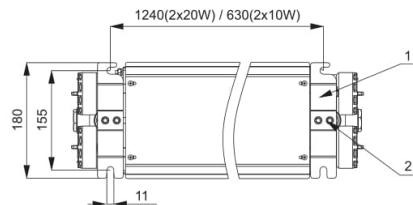
Drawing of dimension (Dimensions in mm)

Ceiling mounting

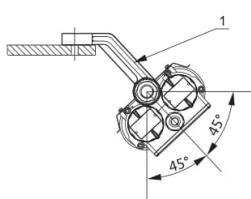


Lamps Ordering Information

Order number	Mounting type	Lamp power	Equivalent to
			Fluorescent
BC5401-L2×10A	Ceiling	2×10W	2×20W
		2×20W	2×40W



Derrick mounting

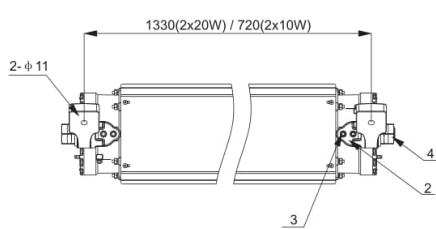


Fitting Ordering Information (Standard)

Order number	No.	Specifications Model	Quantity
P01	1	Ceiling Bracket	2
	2	M8 Inner six angle bolt	4

Lamps Ordering Information

Order number	Mounting type	Lamp power	Equivalent to
			Fluorescent
BC5401-L2×10A	Derrick type	2×10W	2×20W
		2×20W	2×40W

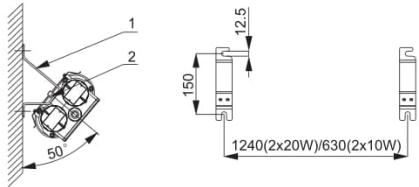


Fitting Ordering Information(Optional)

Order number	No.	Specifications Model	Quantity
P02	1	Derrick bracket	2
	2	Base	2
	3	M8 Inner six angle bolt	4
	4	M24 screw	2

**BC5401 Series
LED Explosion Proof Light**

Side wall mounting



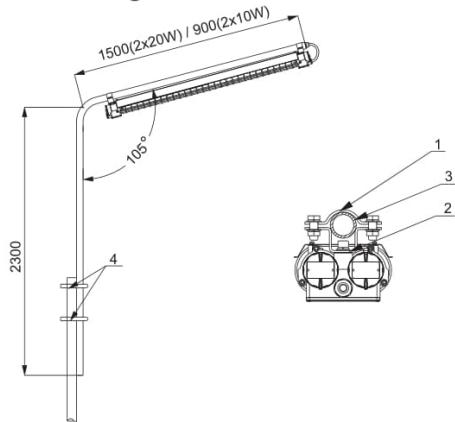
Lamps Ordering Information

Order number	Mounting type	Lamp power	Equivalent to
		Fluorescent	
BC5401-L2×10A	Side wall	2×10W	2×20W
BC5401-L2×20A		2×20W	2×40W

Fitting Ordering Information (Optional)

Order number	No.	Specifications Model	Quantity
P03	1	Sidewall bracke	2
	2	M10 Inner six angle bolt	4

Pole mounting



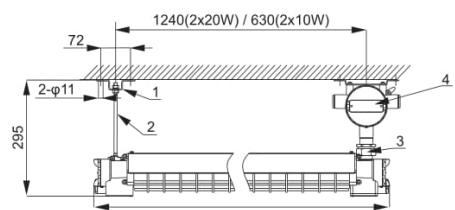
Lamps Ordering Information

Order number	Mounting type	Lamp power	Equivalent to
		Fluorescent	
BC5401-L2×10A	Pole	2×10W	2×20W
		2×20W	2×40W

Fitting Ordering Information (Optional)

Order number	No.	Specifications Model	Quantity
P04	1	Upper hoop	2
	2	Under hoop	2
	3	DN32 Poles	1
	4	U tube clip	2

Ceiling mounting 2



Lamps Ordering Information

Order number	Mounting type	Lamp power	Equivalent to
		Fluorescent	
BC5401-L2×10B	Ceiling	2×10W	2×20W
		2×20W	2×40W

Fitting Ordering Information (Optional)

Order number	No.	Specifications Model	Quantity
P05	1	Pole mounting bracket	1
	2	19cm Screw(M8)	1
P02	3	Connector G3/4" male- male	1
BHD01	4	Explosion proof junction box	1

**BC5402A Series
LED Explosion Proof Light**



Main Specification

Item	Technical Parameters				
	BC5402A-L20	BC5402A-L30	BC5402A-L40	BC5402A-L60	BC5402A-L80
Rated wattage (W)	20W	30W	40W	60W	80W
Input voltage range (V)	108~264VAC,50/60Hz				
Light output (lm)	2200lm	3300lm	4400lm	6300lm	8400lm
CCT	5000K (3000K/4000K Optional)				
CRI (Ra)	70				
IP class	IP66/IP67				
Ambient temperature	-40~+55°C				
Number of cable inlets	1-2				
Screw Thread of cable inlets	M20*1.5, M25*1.5, NPT1/2, NPT3/4				
Dimension (mm)	700×182×68	700×182×68	700×182×68	1150×182×68	1150×182×68
Net Weight (kg)	3.2	3.2	3.4	4.5	4.7

Ex marking: Ex eb mb op is IIC T6/T5/T4 Gb

Ex tb op is IIIC T80°C/T95°C/T130°C Db

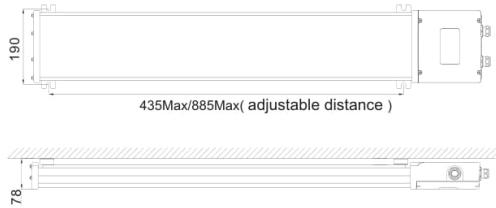
Suitable for dangerous gas area Zone 1 and Zone 2.

Drawing of dimension (Dimensions in mm)

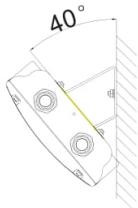


Drawing of dimension (Dimensions in mm)

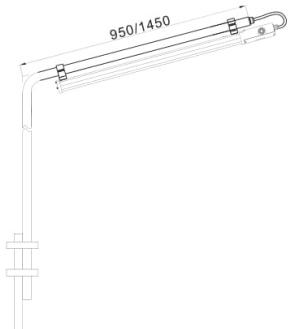
1. Bracket mounting(Standard)



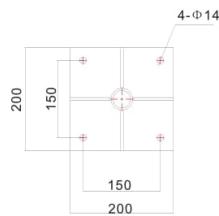
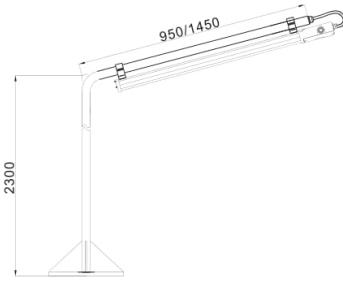
2. Side wall mounting (40 degree)



3. Guardrail installation



4. Flange mounting



**BC5402A Series
LED Explosion Proof Light**

Ordering reference

Model number	Rated wattage(W)	Input voltage(V)	CCT	CRI	Mounting type	Number of cable inlets
BC5402A-L	20/ 30/ 40/ 60/ 80	120V/240V	3000K-30 4000K-40 5000K-50	R7(Ra70) R8(Ra80)	S1 Bracket mounted S2 Side wall mounted S3 Guardrail installation S4 Fence mounted	E1(one cable inlet) E2(two cable inlets)

Example: Specification of Lamp is Power 20W, Color temperature 4000K, Bracket mounting, One cable inlet.
Order number as BC5402A-L20W120/240V40R7S1E1

**BC5402B Series
LED Explosion Proof Light**



Main Specification

Item	Technical Parameters				
	BC5402B-L20	BC5402B-L30	BC5402B-L40	BC5402B-L60	BC5402B-L80
Rated wattage (W)	20W	30W	40W	60W	80W
Input voltage (V)			90-264VAC,50/60Hz		
Light output (lm)	2200lm	3300lm	4400lm	6300lm	8400lm
CCT			5000K (3000K/4000K Optional)		
CRI (Ra)			70		
IP class			IP66		
Ambient Temperature			-40°C~+55°C		
Number of cable inlets			1~2		
Screw Thread of cable inlets	M20*1.5, M25*1.5, NPT1/2, NPT3/4				
Dimension (mm)	700×182×68	700×182×68	700×182×68	1150×182×68	1150×182×68
Net Weight (kg)	3.2	3.2	3.4	4.5	4.7

Ex marking: Ex nR IIC T6 Gc
Ex tc IIIC T80°C Dc

Suitable for gas explosion area Zone 2

Drawing of dimension (Dimensions in mm)

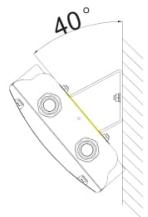


Drawing of dimension (Dimensions in mm)

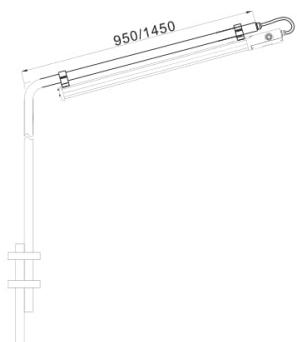
1. Bracket mounting(Standard)



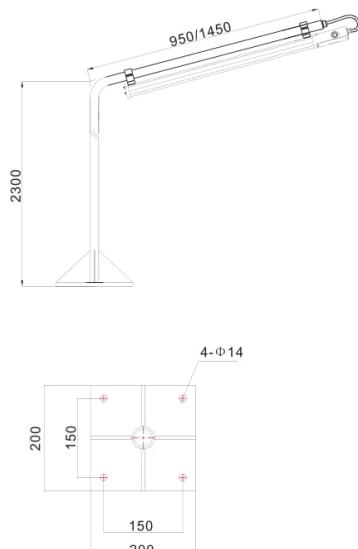
2. Side wall mounting (40 degree)



3. Guardrail installation



4. Flange mounting



**BC5402B Series
LED Explosion Proof Light**

Ordering reference

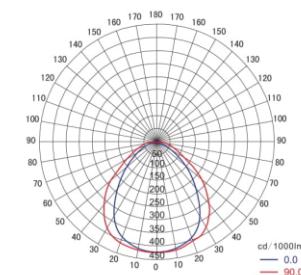
Model number	Rated wattage(W)	Input voltage(V)	CCT	CRI	Mounting type	Number of cable inlets
BC5402B-L	20/ 30/ 40/ 60/ 80	120V/240V	3000K-30 4000K-40 5000K-50	R7(Ra70) R8(Ra80)	S1 Bracket mounted S2 Side wall mounted S3 Guardrail installation S4 Flange mounting	E1(one cable inlet) E2(two cable inlets)

Example: Specification of Lamp is Power 20W, Color temperature 4000K, Bracket mounting, One cable inlet.
Order number as BC5402B-L20W120/240V40R7S1E1

**BC9101 Series
LED Explosion Proof Light**



Light distribution curve



Main Specification

Item	Technical Parameters
Input voltage (V)	90~305VAC 18~43VAC/ 18~55VDC (low)
Rated frequency	50Hz / 60Hz
Light source	LED
Life time (h)	100,000
CRI (Ra)	75
CCT	5000K ±250K
Cable entry	G3/4"
Dimension (mm)	326×370×88
Net weight (kg)	9

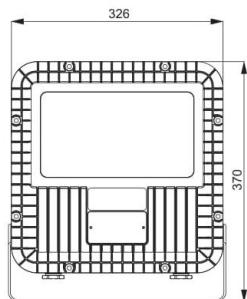
Ex marking: Ex d IIB T6 Gb
Ex tb IIIC T80°C Db IP66

■ Class1,zone 1&zone 2, zone 21&zone 22

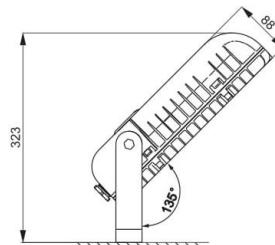
Ordering Reference

Model number	Input voltage (V)	Rated wattage (W)	Light output (lm)	Mounting height (m)	Equivalent to MH
BC9101-L25	90~305VAC	25W	2800	3~6m	70W
BC9101-L40		40W	4200		100W
BC9101-L60		60W	5900	4~8m	150W
BC9101-L80		80W	7200		175W
BC9101-L25L	18~43VAC/ 18~55VDC	25W	2800	3~6m	70W
BC9101-L40L		40W	4200		100W

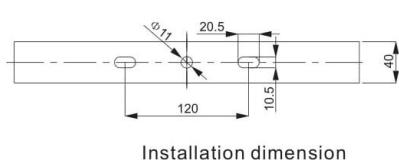
Drawing of dimension (Dimensions in mm)



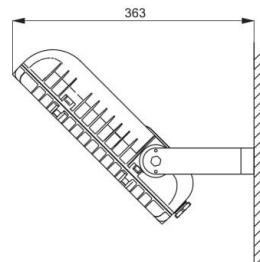
Seat mounting



Side wall mounting



Installation dimension



BC9102S Series
LED Explosion Proof Light (Bracket)



Main Specification

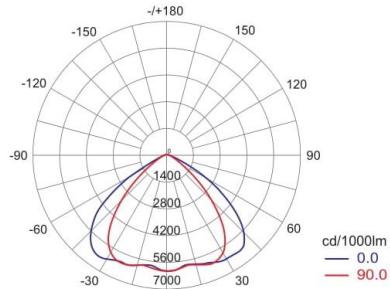
Item	Technical parameter
Rated voltage	120~277VAC (30W~60W/100W/120W/ 150W/180W/240W/300W)
Rated frequency	50Hz / 60Hz
CRI(Ra)	70(80 optional)
CCT	5000K (3000K/ 4000K optional)
Screw thread	M20×1.5(G1/2, G3/4, NPT3/4, NPT1/2, M25×1.5)

Light distribution curve

EX marking: Ex db de mb IIC T4/T5/T6 Gb

Ex tD IIIC T130°C/T95°C/80°C Gb

Suitable for explosive gas or dust environment
zone 1, zone 2, or zone 21, zone 22;



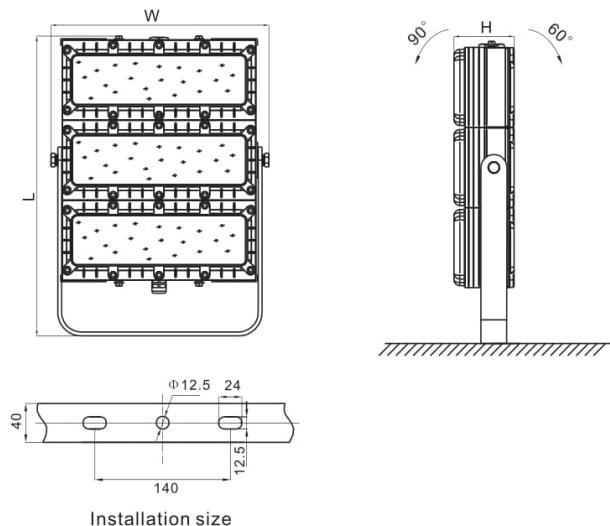
Ordering reference

Model number/ module number	Rated wattage(W)	Light output (lm)	Net weight (Kg)	Space height ratio	Mounting Height(m)	Dimension(mm)	Replace to Metal Halide Lamp
BC9102S-L60/ 1	60	7600	5	1.4	5~8	212(L)X338(W)X93(H) (30~80W)	150W
BC9102S-L100/ 2	100	12675	8~12		337(L)X338(W)X93(H) (100~120W)	250W	
BC9102S-L120/ 2	120	14803	8~12			250W~400W	
BC9102S-L150/ 3	150	18675	10~15		464(L)X338(W)X93(H) (150~180W)	400W	
BC9102S-L180/ 3	180	22409	10~15			400W	
BC9102S-L240/ 4	240	28035	15.8		15~20	587(L)X338(W)X93(H)	600W
BC9102S-L300/ 5	300	38025	19.5		15~20	711(L)X338(W)X93(H)	600W~1000W

BC9102S Series
LED Explosion Proof Light (Bracket)

Drawing of dimension (Dimensions in mm)

Bracket mounted



Side wall mounted

**BC9102R Series
LED Explosion Proof Light (Street Light)**



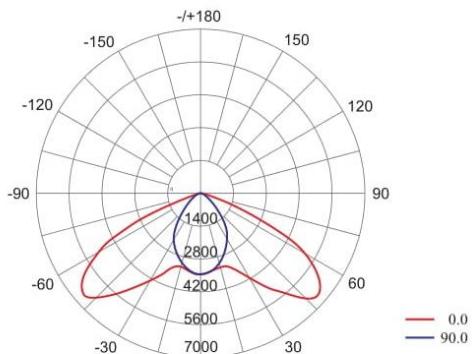
Main Specification

Item	Technical parameter
Rated voltage	120~277VAC (60W/100W/120W/150W)
Rated frequency	50Hz / 60Hz
CRI(Ra)	70 (80 Optional)
CCT	5000K (3000K/4000K Optional)
Outer diameter of street light pole range	Φ 55~Φ 60(Φ 40~Φ 55 Optional)

EX marking: Ex db de mb IIC T4/T5/T6 Gb
Ex tD IIIC T130°C/T95°C/80°C Gb

Suitable for explosive gas or dust environment
zone 1, zone 2, or zone 21, zone 22;

Light distribution curve

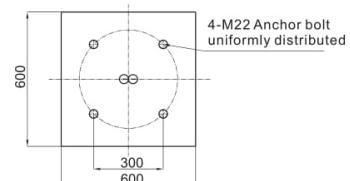
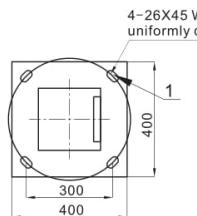
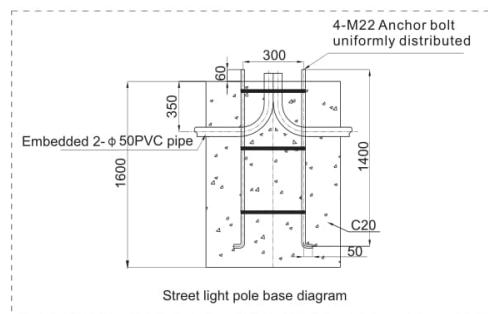
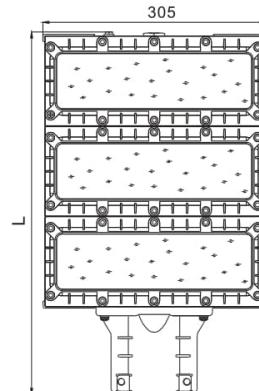
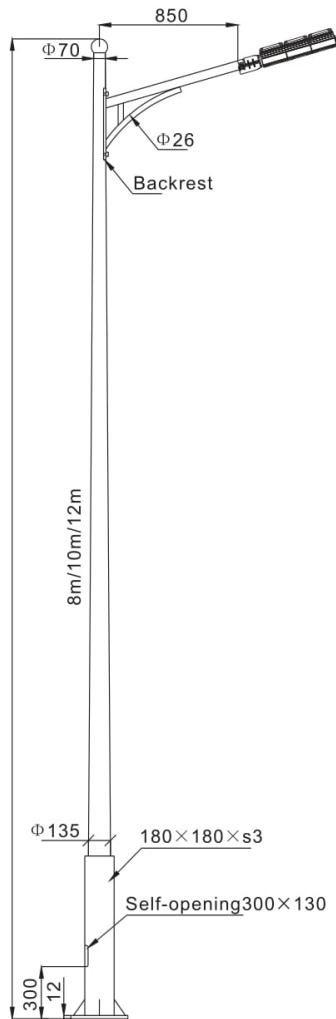


Ordering reference

Model number/ module number	Rated wattage(W)	Light output (lm)	Net weight (Kg)	Space height ratio	Mounting Height(m)	Dimension(mm)	Replace to	
							Metal Halide Lamp	
BC9102R-L60/ 1	60	7600	5	1.4	6~8m	248(L)X305(W)X93(H)	150W	
BC9102R-L100/ 2	100	12675	8.3		6~10m	272(L)X305(W)X93(H)	250W	
BC9102R-L120/ 2	120	14803			8~12m	497(L)X305(W)X93(H)	250W~400W	
BC9102R-L150/ 3	150	18675	11.7				400W	

**BC9102R Series
LED Explosion Proof Light (Street Light)**

Drawing of dimension (Dimensions in mm)



BC9200 Series
LED Explosion Proof Light



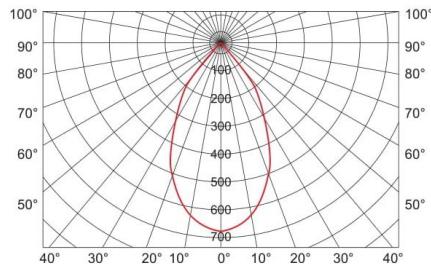
Ex marking: Ex de IIC T6 Gb

■ Class 1, zone1&zone2

Main Specification

Item	Technical Parameters
Input voltage (V)	90~264VAC
	18~43VAC/ 18~55VDC(6~12W)
Rated frequency	50Hz / 60Hz
Light source	LED
Life time (h)	50,000
CRI (Ra)	70
CCT	5000K ±250K
Leading-in cable diameter	Φ 6mm~Φ 8mm
Dimension (mm)	Φ 150 × 140
Net weight (kg)	1.3

Light Distribution Curve



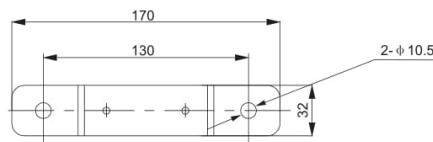
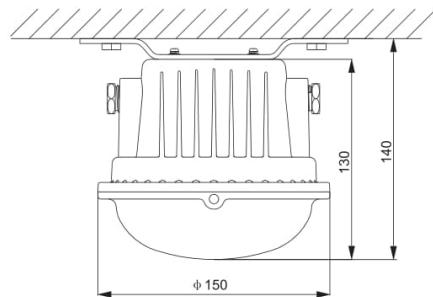
Ordering Reference

Model number	Rated wattage (W)	Light output (lm)	Mounting height (m)	Equivalent to Energy saving lamp
Input voltage: 90~264VAC				
BC9200-L6	6W	500	2~4m	18W
BC9200-L12	12W	1000		22W
BC9200-L20	20W	1500		45W
Input voltage: 18~43VAC/ 18~55VDC				
BC9200-L6D	6W	500	2~4m	18W
BC9200-L12D	12W	1000		22W

BC9200 Series
LED Explosion Proof Light

Drawing of dimension (Dimensions in mm)

Ceiling Mounting



Installation dimension

BC9302P Series
LED Explosion Proof Light (Flood Light)



Beam angle:200°

Ex marking: Ex db op is IIC T5/T6 Gb
Ex tb op is IIIC T95°C/T80°C Db

Hazardous Gas Zone 1 and Zone 2
Dangerous dust Zone 21 and Zone 22

Main Specification

Rated voltage (V)	100~240VAC/120~270VAC(30~60W)
	200~240VAC(80W)
	20~38VAC/20~48VDC(30~60W)
Rated frequency	50Hz / 60Hz
Light source	LED
Life time(h)	50,000h
CCT	5000K(3000K/4000K optional)
Screw thread	G3/4, M20, M25, NPT3/4", NPT1/2"
Leading-in cable diameter	φ 9mm~ φ 14mm
Dimension (mm)	φ 240×220
Net weight (kg)	5

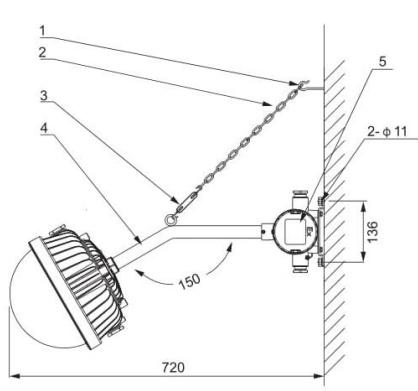
Ordering reference

Model number	Picture	Rated wattage (W)	Light output (lm)	Space height ratio	Mounting height(m)	Light distribution curve (1000cd/lm)	Replace to	
							Metal halide lamp	
BC9302P-L30-200°		30W	2700	1.75	2~5m		70W	
BC9302P-L40-200°		40W	3600				100W	
BC9302P-L50-200°		50W	4500		3~6m		100W	
BC9302P-L60-200°		60W	5600				150W	
BC9302P-L80-200°		80W	7200				175W	

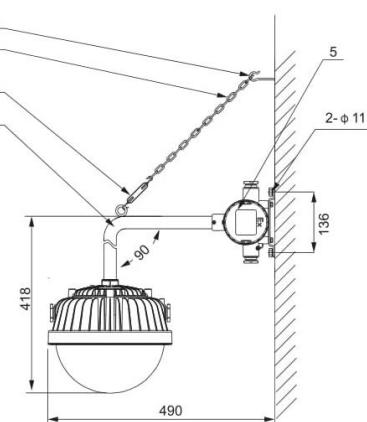
*The lamp can be matched with a flat lens: 80°

Drawing of dimension (Dimensions in mm)

Wall mounting 150°



Wall mounting 90°



BC9302P Series
LED Explosion Proof Light (Flood Light)

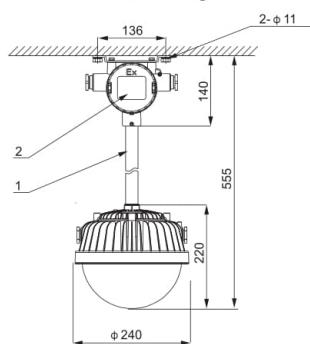
Accessories list (optional)

Order number	No.	Specification	Qty
P04	1	Expansion screw hook	1
	2	Chain	1
	3	C-C Spiral buckle	1
	4	90° pole with G3/4"	1
BHD01	5	Explosion proof junction box	1

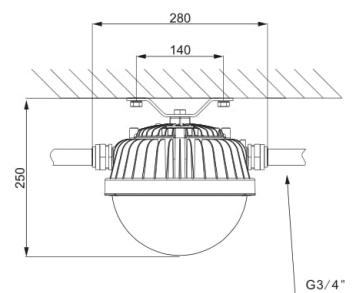
Accessories list (optional)

Order number	No.	Specification	Qty
P03	1	Expansion screw hook	1
	2	Chain	1
	3	C-C Spiral buckle	1
	4	150° pole with G3/4"	1
BHD01	5	Explosion proof junction box	1

Pole mounting

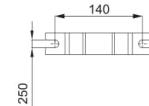


Ceiling mounting

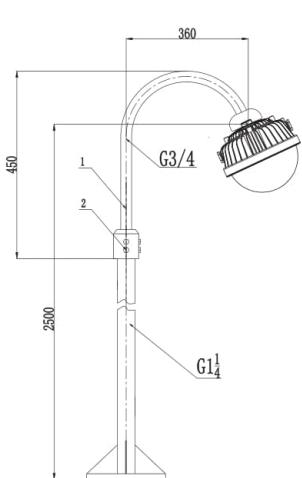


Accessories list (optional)

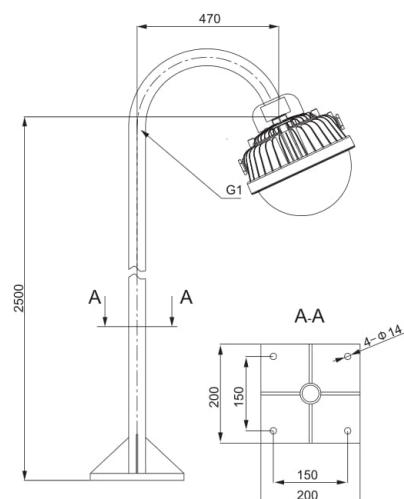
Order number	No.	Specification	Qty
P01	1	30cm Pole (G3/4")	1
BHD01	2	Explosion proof junction box	1



Flange mounting



Guardrail mounting



Accessories list (optional)

Order number	No.	Specification	Qty
P05	1	Guardrail light pole	1
	2	Locking screw	4

Accessories list (optional)

Order number	No.	Specification	Qty
P06	1	Flange light pole	1

BC9302P Series
LED Explosion Proof Light (Flood Light)



IECEx

ATEX

IP 66

Ta 40/55

Ta -40



Beam angle:80°

Ex marking: Ex db op is IIC T5/T6 Gb
Ex tb op is IIIC T95°C/T80°C Db

Hazardous Gas Zone 1 and Zone 2
Dangerous dust Zone 21 and Zone 22

Main Specification

Rated voltage (V)	100~240VAC/120~270VAC 20-38VAC/ 20~48VDC
Rated frequency	50Hz / 60Hz
Light source	LED
Life time(h)	50,000h
CCT	5000K(3000K/4000K optional)
Screw thread	G3/4, M20, M25, NPT3/4", NPT1/2
Leading-in cable diameter	φ 9mm~ φ 14mm
Dimension (mm)	φ 240×220
Net weight (kg)	5

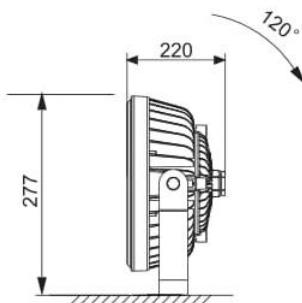
Ordering reference

Ordering reference	Picture	Rated wattage (W)	Light output (lm)	Space height ratio	Mounting height(m)	Light distribution curve (1000cd/lm)	Replace to Metal halide lamp	
BC9302P-L30-80°		30W	>3300	1.25	2~5m		70W	
BC9302P-L40-80°		40W	>4400				100W	
BC9302P-L50-80°		50W	>5500	4~6m	4~6m		100W	
BC9302P-L60-80°		60W	>6600				150W	

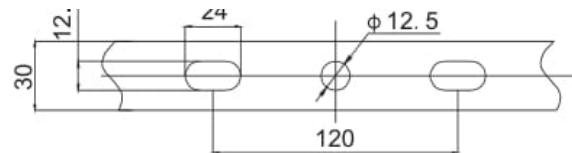
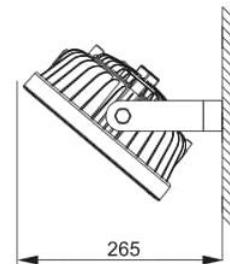
*The lamp can be matched with a milk white sphere lens: 200°

Drawing of dimension (Dimensions in mm)

Seat mounting



Side Wall mounting



Installation size

BC9302S Series
LED Explosion Proof Light (Flood Light)



Beam angle: 80°

Ex marking: Ex db op is IIC T5/T6 Gb
Ex tb op is IIIC T95°C/T80°C Db

Hazardous Gas Zone 1 and Zone 2
Dangerous dust Zone 21 and Zone 22

Main Specification

Rated voltage (V)	100~240VAC/120~270VAC 20-38VAC/ 20~48VDC
Rated frequency	50Hz / 60Hz
Light source	LED
Life time(h)	50,000h
CCT	5000K(3000K/4000K optional)
Screw thread	G3/4, M20, M25, NPT3/4", NPT1/2
Leading-in cable diameter	φ 9mm~ φ 14mm
Dimension (mm)	φ 240×220
Net weight (kg)	5

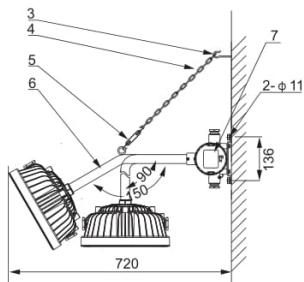
Ordering reference

Ordering reference	Picture	Rated wattage (W)	Light output (lm)	Space height ratio	Mounting height(m)	Light distribution curve (1000cd/lm)	Replace to
							Metal halide lamp
BC9302P-L30-80°		30W	>3300	1.25	2~5m		70W
BC9302P-L40-80°		40W	>4400		4~6m		100W
BC9302P-L50-80°		50W	>5500				100W
BC9302P-L60-80°		60W	>6600				150W

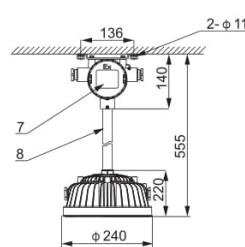
*The lamp can be matched with a milk white sphere lens: 200°

Drawing of dimension (Dimensions in mm)

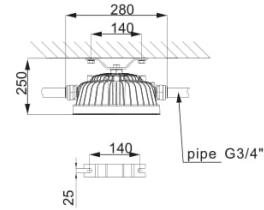
Side wall mounting 150°/90°



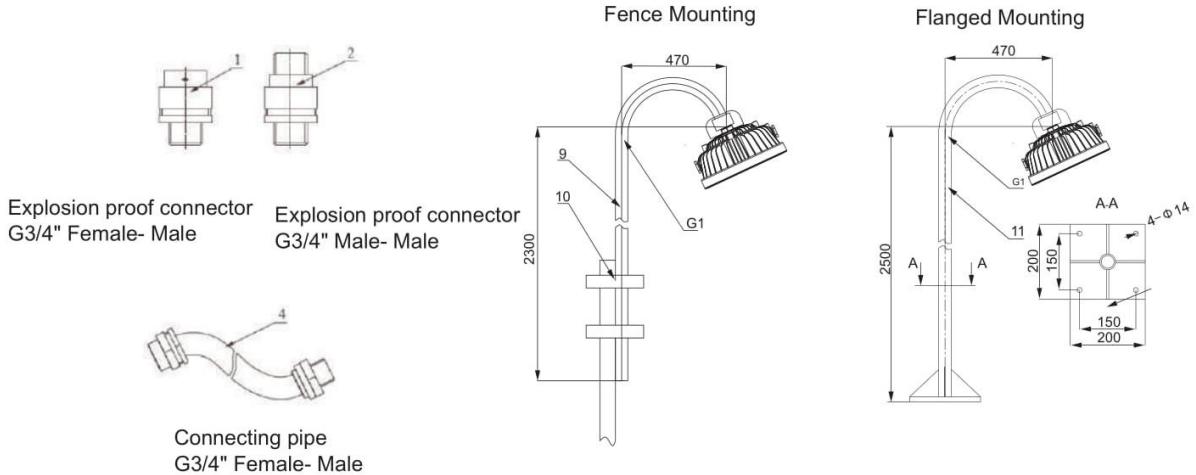
Pole mounting



Ceiling mounting



BC9302S Series
LED Explosion Proof Light (Flood Light)



Number	Model specifications	Quantity	Note	Number	Model specifications	Quantity	Note
1	Exploration proof connector	Reference mounting image	G3/4" Female- Male	7	Exploration proof junction box	1	
2	Exploration proof connector	Reference mounting image	G3/4" Male- Male	8	G3/4" pole	1	The length in accordance with the request of the customer
3	Expansion screw hook	1		9	Fence type lighting pole	1	
4	Chain	1	G3/4"	10	U-bolts	2	
5	C-C screw buckle	1	G3/4" Female- Male	11	Flange type lighting pole	1	
6	G3/4" bend pipe	1	90 degrees and 150 degrees are optional	12			

BC9302S Series
LED Explosion Proof Light (Flood Light)



IECEx

ATEX

IP 66

Ta 40/55

Ta -40



Beam angle:200°

Ex marking: Ex db op is IIC T5/T6 Gb
Ex tb op is IIIC T95°C/T80°C Db

Hazardous Gas Zone 1 and Zone 2
Dangerous dust Zone 21 and Zone 22

Main Specification

Rated voltage (V)	100~240VAC/120~270VAC(30~60W)
	200~240VAC(80W)
	20~38VAC/20~48VDC(30~60W)
Rated frequency	50Hz / 60Hz
Light source	LED
Life time(h)	50,000h
CCT	5000K(3000K/4000K optional)
Screw thread	G3/4, M20, M25, NPT3/4", NPT1/2
Leading-in cable diameter	φ 9mm~ φ 14mm
Dimension (mm)	φ 240×220
Net weight (kg)	5

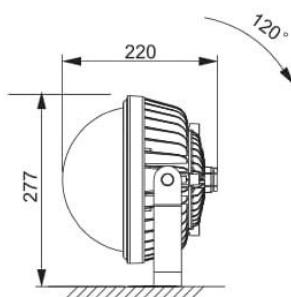
Ordering reference

Model number	Picture	Rated wattage (W)	Light output (lm)	Space height ratio	Mounting height(m)	Light distribution curve (1000cd/lm)	Replace to Metal halide lamp	
BC9302S-L30-200°		30W	2700	1.75	2~5m		70W	
BC9302S-L40-200°		40W	3600				100W	
BC9302S-L50-200°		50W	4500		3~6m		100W	
BC9302S-L60-200°		60W	5600				150W	
BC9302S-L80-200°		80W	7200				175W	

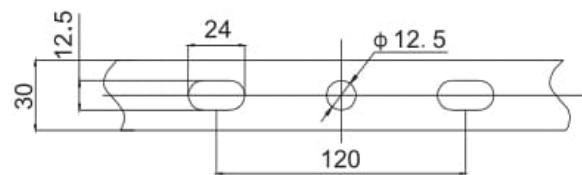
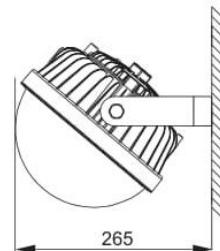
*The lamp can be matched with a flat lens: 80°

Drawing of dimension (Dimensions in mm)

Seat mounting



Side Wall mounting



Installation size

BC9303 Series
LED Explosion Proof Light (Platform Light)



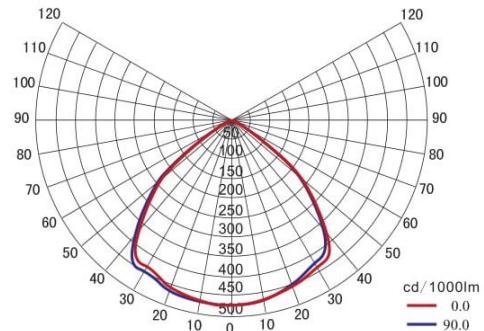
Ex marking: Ex d IIB T6 Gb
Ex tb IIIC T80°C Db

■ class I, zone1&zone2, zone21&zone22

Main Specification

Item	Technical Parameters
Input voltage (V)	90~264VAC
	18~43VAC/ 18~55VDC (25~40W)
Rated frequency	50Hz / 60Hz
Light source	LED
Life time (h)	100,000
CRI (Ra)	75
CCT	5000K ±250K
Cable entry	G3/4"
Dimension (mm)	Φ 240 × 180
Net weight (kg)	4

Light Distribution Curve

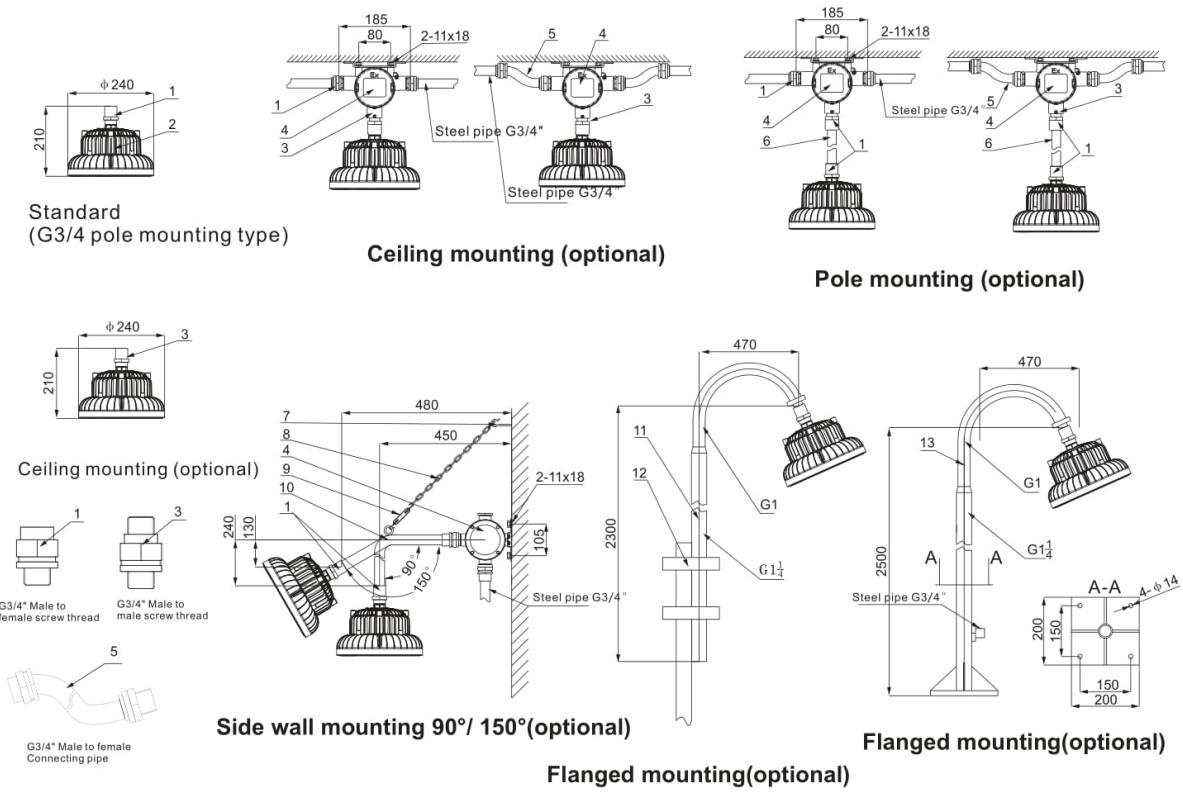


Ordering Reference

Model number	Input voltage (V)	Rated wattage (W)	Light output (lm)	Mounting height (m)	Equivalent to
					MH
BC9303- L25	90~264VAC	25W	2400	3~6m	50~70W
BC9303- L40		40W	4300		100W
BC9303- L60		60W	5800	4~8m	150W
BC9303- L25L	18~43VAC/ 18~55VDC	25W	2400	3~6m	50~70W
BC9303- L40L		40W	4300		100W

BC9303 Series
LED Explosion Proof Light (Platform Light)

Drawing of dimension (Dimensions in mm)



Number	Name	Quantity	Remark	Number	Name	Quantity	Remark
1	Explosion proof connector	1	Reference mounting image	8	Chain	1	
2	BC9303	1	female to male	9	Turn buckle	1	
3	Explosion proof connector	1	Reference mounting image	10	G3/4" bend pipe	1	90 degrees and 150 degrees are optional
4	Explosion proof junction box	1	G3/4"	11	Light pole	1	
5	Connecting pipe	1	Reference mounting image	12	U-bolts	2	
6	G3/4"pole	1	The length in accordance with the request of the customer	13	flanged type pole	1	
7	Screw hook	1		14			

**BC9304P Series
LED Explosion Proof Lamp (Pole)**



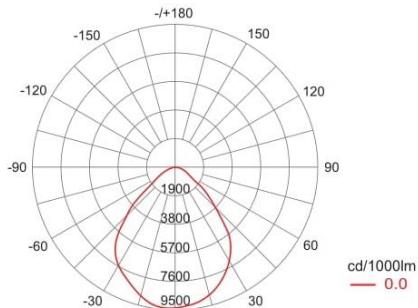
Ex marking: Ex db eb IIC T6 or T5 or T4 Gb
Ex tb IIIC T80°C or T95°C or T130°C Db

Suitable for explosive gas or dust environment
zone 1, zone 2, or zone 21, zone 22;

Main Specification

Item	Technical Parameters
Input voltage	90~305VAC
Rated frequency	50Hz / 60Hz
Rated wattage	80~150W
Light source	LED
Life time	100,000hrs
CRI (Ra)	70 (80 optional)
CCT	5000K (3000K/ 4000K optional)
Leading-in cable diameter	Φ 8mm~Φ 12mm (G3/4", M25, NPT3/4") Φ 6mm~Φ 10mm (G1/2, M20, NPT1/2") (attached with reducer union)
Net weight	7.8Kg
Size	Φ 302X249mm

Light distribution curve



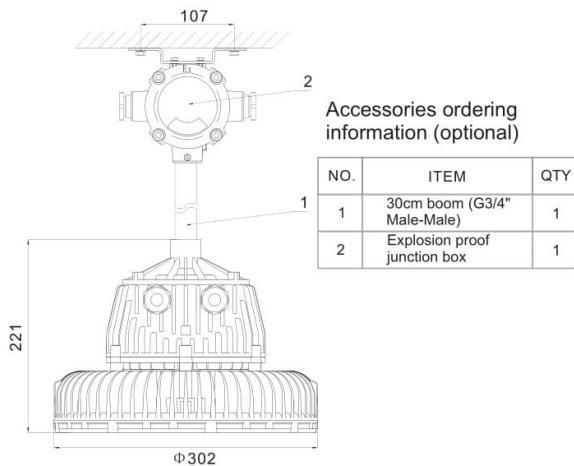
Ordering reference

Model number	Rated wattage (W)	Light output (lm)	Space height ratio	Mounting height(m)	Replace to
					Metal halide lamp
BC9304P-L80	80	8873	1.4	8~12m	175W
BC9304P-L100	100	12675		10~15m	250W
BC9304P-L120	120	14803		10~15m	>250W
BC9304P-L150	150	18675		10~15m	400W

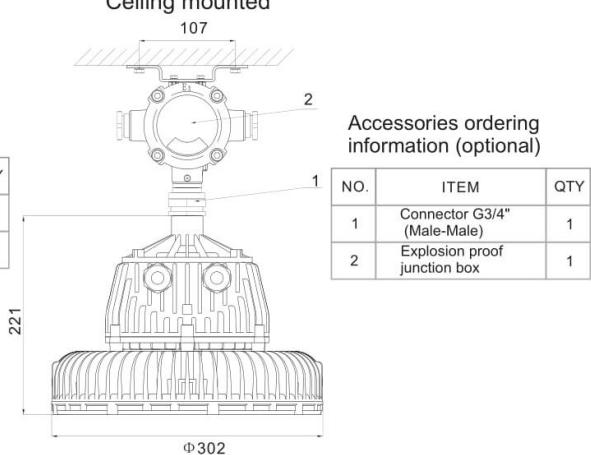
**BC9304P Series
LED Explosion Proof Lamp (Pole)**

Drawing of dimension (Dimensions in mm)

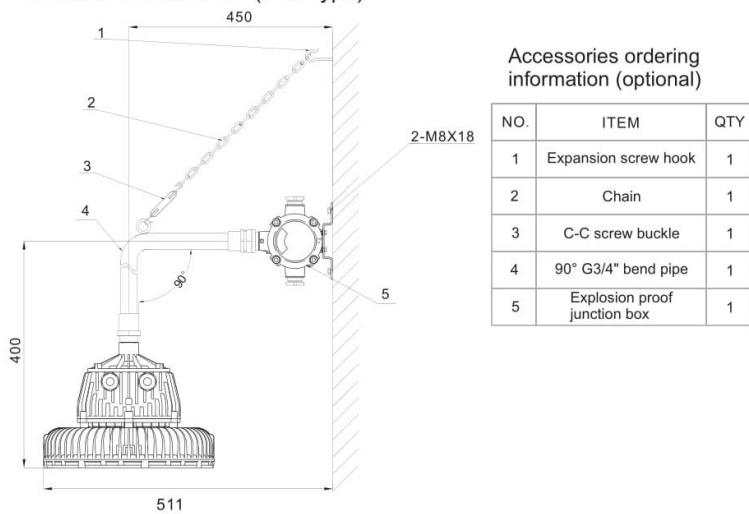
Boom mounted



Ceiling mounted



Side wall mounted 90° (Pole type)



**BC9304S Series
LED Explosion Proof Lamp (Bracket)**



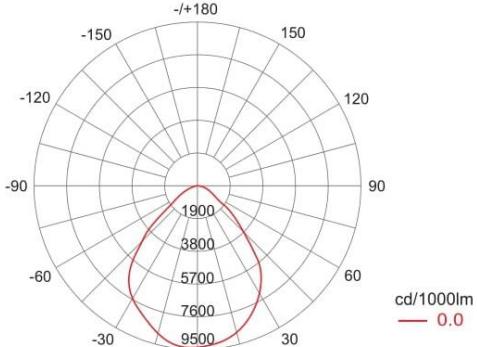
Ex marking: Ex db eb IIC T6 or T5 or T4 Gb
Ex tb IIIC T80°C or T95°C or T130°C Db

Suitable for explosive gas or dust environment
zone 1, zone 2, or zone 21, zone 22;

Main Specification

Item	Technical Parameters
Input voltage	90~305VAC
Rated frequency	50Hz / 60Hz
Rated wattage	80~150W
Light source	LED
Life time	100,000hrs
CRI (Ra)	70 (80 optional)
CCT	5000K (3000K/ 4000K optional)
Leading-in cable diameter	Φ 8mm~Φ 12mm (G3/4", M25, NPT3/4") Φ 6mm~Φ 10mm (G1/2, M20, NPT1/2") (attached with reducer union)
Net weight	8.8Kg
Size	328X302X249mm

Light distribution curve



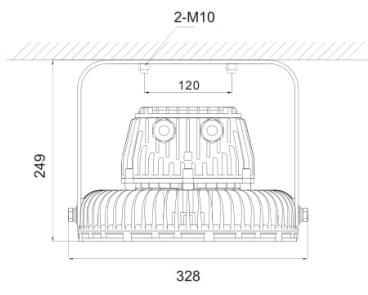
Ordering reference

Model number	Rated wattage (W)	Light output (lm)	Space height ratio	Mounting height(m)	Replace to
					Metal halide lamp
BC9304S-L80	80	8873	1.4	8~12m	175W
BC9304S-L100	100	12675		10~15m	250W
BC9304S-L120	120	14803		10~15m	>250W
BC9304S-L150	150	18675		10~15m	400W

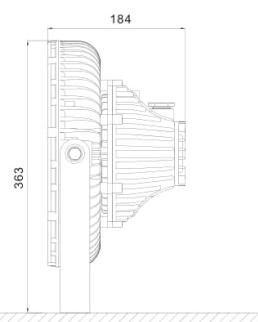
BC9304S Series
LED Explosion Proof Lamp (Bracket)

Drawing of dimension (Dimensions in mm)

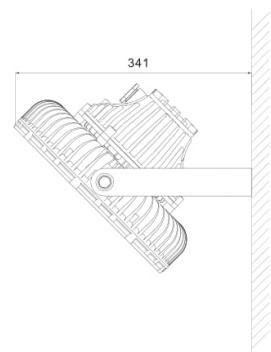
Ceiling mounted



Seat mounted



Side wall mounted



BC9306P Series
LED Explosion Proof Light (Pole)



Ex marking: Ex db e IIC T6/T5/T4 Gb
Ex tb IIIC T80°C/T95°C/T130°C Db, IP66

zone 1, zone 2, or zone 21, zone 22;

Main Specification

Item	Technical Parameters
Input voltage (V)	90~264VAC
	18~43VAC/ 18~55VDC
Rated frequency	50Hz / 60Hz
Light source	LED
CRI (Ra)	70 (80 optional)
Life time (h)	50,000
CCT	5000K(3000K/4000K optional)
Cable entry	M20×1.5, M25×1.5, G3/4", NPT1/2", NPT3/4"
Dimension (mm)	Φ 230×270
Net weight (kg)	4.2

Ordering reference

Model number	Picture	Rated Wattage	Light output (lm)	Space height ratio	Mounting height	Light distribution curve(1000cd/lm)	Equivalent to
							MH
BC9306P-L50-40°		50W	5400	0.7	5~8m		>100W
BC9306P-L60-40°		60W	6700				150W
BC9306P-L80-40°		80W	8400		8~10m		175W

Model number	Picture	Rated Wattage (W)	Light output (lm)	Space height ratio	Mounting height (m)	Light distribution Curve(1000cd/lm)	Equivalent to
							MH
BC9306P-L30-60°		30W	3400	0.9	3~6m		70W
BC9306P-L40-60°		40W	4400				100W
BC9306P-L50-60°		50W	5400				>100W
BC9306P-L60-60°		60W	6700		6~8m		150W
BC9306P-L80-60°		80W	8400		175W		
BC9306P-L30-80°		30W	3500	1.4	3~6m		70W
BC9306P-L40-80°		40W	4500				100W
BC9306P-L50-80°		50W	5600				>100W
BC9306P-L60-80°		60W	6900				150W
BC9306P-L80-80°		80W	8700		4~8m		175W

BC9306P Series
LED Explosion Proof Light (Pole)

BC9306P-L30-100°		30W	3500	1.4	2~6m		70W	
BC9306P-L40-100°		40W	4600				100W	
BC9306P-L50-100°		50W	5600				>100W	
BC9306P-L60-100°		60W	7000				150W	
BC9306P-L80-100°		80W	8800				175W	
BC9306P-L30-200°		30W	2800	1.75	2~5m		70W	
BC9306P-L40-200°		40W	3700				100W	
BC9306P-L50-200°		50W	4500				>100W	
BC9306P-L60-200°		60W	5400		3~6m		150W	
BC9306P-L80-200°		80W	6800				175W	

Input voltage: 18~43VAC/ 18~55VDC

BC9306P-L40L-40°		40W	4400	0.7	5~8m		100W
BC9306P-L60L-40°		60W	6700				150W
BC9306P-L25L-60°		25W	2800	0.9	3~6m		70W
BC9306P-L40L-60°		40W	4400				100W
BC9306P-L60L-60°		60W	6700		6~8m		150W
BC9306P-L25L-80°		25W	2900	1.4	3~6m		70W
BC9306P-L40L-80°		40W	4600				100W
BC9306P-L60L-80°		60W	6900		4~8m		150W

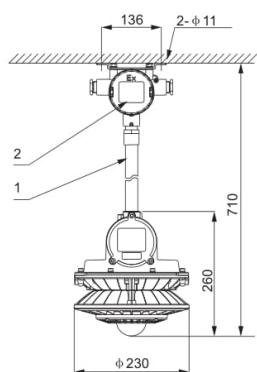
Model number	Picture	Rated Wattage (W)	Light output (lm)	Space height ratio	Mounting height (m)	Light distribution Curve(1000cd/lm)	Equivalent to MH
BC9306P-L25L-100°		25W	2900	1.4	2~6m		70W
BC9306P-L40L-100°		40W	4600				100W
BC9306P-L60L-100°		60W	7000		2~8m		150W
BC9306P-L25L-200°		25W	2400	1.75	2~5m		70W
BC9306P-L40L-200°		40W	3700				100W
BC9306P-L60L-200°		60W	5400		3~6m		150W

Note 1: Lens can be customized 60°×80°, 90°×110°

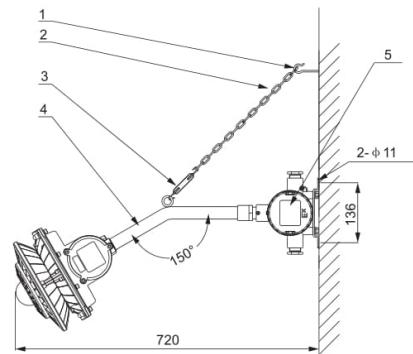
**BC9306P Series
LED Explosion Proof Light (Pole)**

Drawing of dimension (Dimensions in mm)

Pole mounting



Wall mounting 150deg



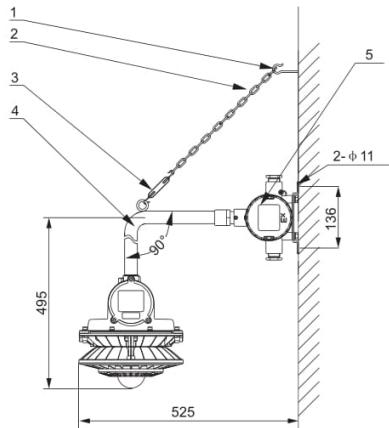
Accessories order information(Pole mounting)

Order number	No.	Specification	quantity
P01	1	G3/4" pole 30cm	1
BHD01	2	Explosion proof junction box	1

Accessories order information(Wall mounting 150deg)

Order number	No.	Specification	quantity
P03	1	Expansion screw hook	1
	2	Chain	1
	3	C-C turn buckle	1
	4	G3/4" bend pipe 150°	1
BHD01	5	Explosion proof junction box	1

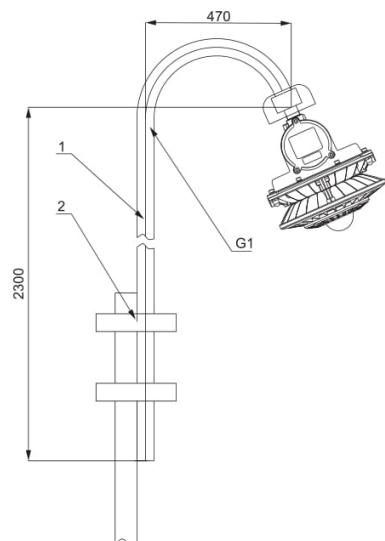
Wall mounting 90deg



Accessories order information(Wall mounting 90deg)

Order number	No.	Specification	quantity
P04	1	Expansion screw hook	1
	2	Chain	1
	3	C-C turn buckle	1
	4	G3/4" bend pipe 90°	1
BHD01	5	Explosion proof junction box	1

Guardrail mounting

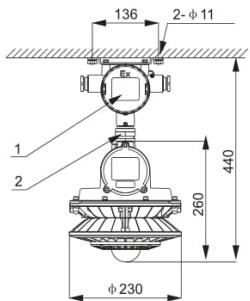


Accessories order information(Guardrail mounting)

Order number	No.	Specification	quantity
P05	1	fence pole	1
	2	U type bolts	2

**BC9306P Series
LED Explosion Proof Light (Pole)**

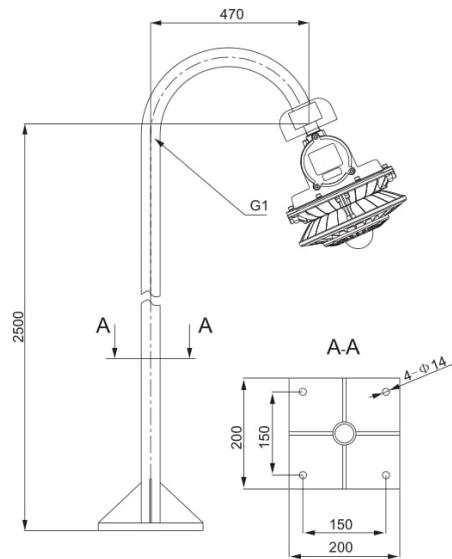
Ceiling mounting



Accessories order information(ceiling mounting)

Order number	No.	Specification	quantity
BHD01	1	Explosion proof junction box	1
P02	2	Adapter G3/4"(female - male)	1

Flange mounting



Accessories order information(Flange mounting)

Order number	No.	Specification	quantity
P06	1	Flange pole	1

BC9306S Series
LED Explosion Proof Light (Bracket)



IECEx

ATEX

CE

RoHS

LM79

LM84

IP 66

Ta 40/55

Ta -50



Ex marking: Ex db e IIC T6/T5/T4 Gb
Ex tb IIIC T80°C/T95°C/T130°C Db, IP66

■ Zone 1, zone 2; zone 21, zone 22.

Main Specification

Item	Technical Parameters
Input voltage (V)	90~264VAC
	18~43VAC/ 18~55VDC
Rated frequency	50Hz / 60Hz
Light source	LED
CRI (Ra)	70 (80 optional)
Life time (h)	50,000
CCT	5000K(3000K/4000K optional)
Cable entry	M20×1.5
Terminals	Multi core: ≤ 2.5mm ²
	Single core: ≤ 4mm ²
Dimension (mm)	245×260×270
Net weight (kg)	4.9

Ordering reference

Model number	Picture	Rated Wattage (W)	Light output (lm)	Space height ratio	Mounting height (m)	Light distribution curve(1000cd/lm)	Equivalent to	
							MH	
BC9306S-L30-60°×80°		30W	3500	1.25	3~6m		70W	
BC9306S-L40-60°×80°		40W	4600				100W	
BC9306S-L50-60°×80°		50W	5600		5~8m		100~150W	
BC9306S-L60-60°×80°		60W	6900				150W	
BC9306S-L80-60°×80°		80W	8800				175W	
BC9306S-L30-90°×110°		30W	3400	1.75	3~6m		70W	
BC9306S-L40-90°×110°		40W	4400				100W	
BC9306S-L50-90°×110°		50W	5600		5~8m		100~150W	
BC9306S-L60-90°×110°		60W	6700				150W	
BC9306S-L80-90°×110°		80W	8400				175W	
BC9306S-L30-200°		30W	2800	1.75	3~6m		70W	
BC9306S-L40-200°		40W	3700				100W	
BC9306S-L50-200°		50W	4500		4~8m		100~150W	
BC9306S-L60-200°		60W	5400				150W	
BC9306S-L80-200°		80W	6800				175W	

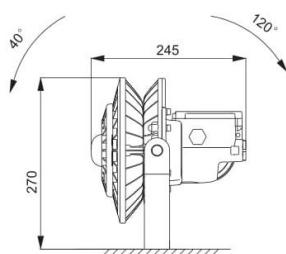
**BC9306S Series
LED Explosion Proof Light (Bracket)**

Input voltage: 18~43VAC/ 18~55VDC								
Model	Power	Lumen	Angle	Mounting	Beam Angle	Efficiency	Color	Warranty
BC9306S-L25L-60°×80°	25W	2900	1.25	3~6m	0°	70W	6500K	3 years
BC9306S-L40L-60°×80°		4600			90°	100W	6500K	3 years
BC9306S-L60L-60°×80°		6900			105°	150W	6500K	3 years
BC9306S-L25L-90°×110°	25W	2700	1.75	3~6m	0°	70W	6500K	3 years
BC9306S-L40L-90°×110°		4400			90°	100W	6500K	3 years
BC9306S-L60L-90°×110°		6700			105°	150W	6500K	3 years
BC9306S-L25L-200°	25W	2400	1.75	3~6m	0°	70W	6500K	3 years
BC9306S-L40L-200°		3700			90°	100W	6500K	3 years
BC9306S-L60L-200°		5400			105°	150W	6500K	3 years

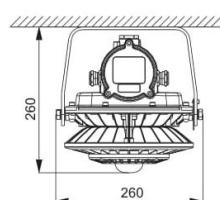
Note 1: Lens can be customized 40°,60°,80°,100°

Drawing of dimension (Dimensions in mm)

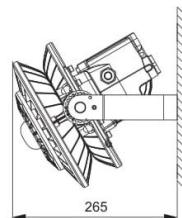
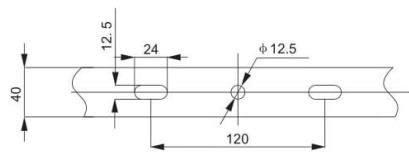
Seat mounting



Ceiling mounting

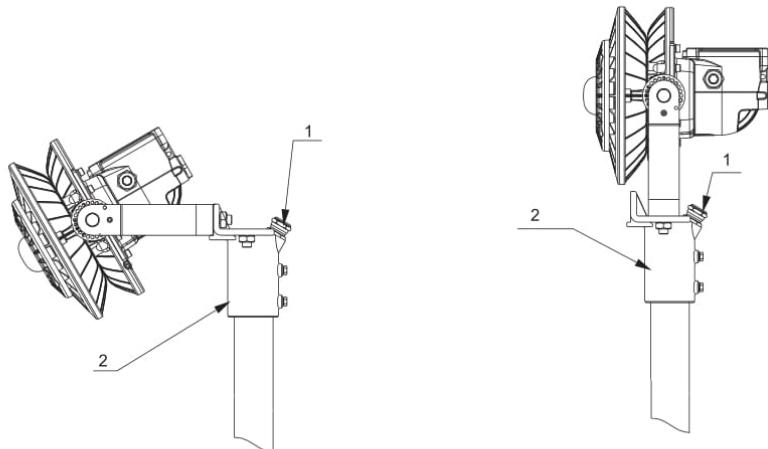


Side wall mounting



BC9306S Series
LED Explosion Proof Light (Bracket)

Pole mounting



Accessories ordering information(optional)

Order number	No.	Specification	quantity	note
P07	1	Water proof plug M20	1	Φ 8~Φ 12mm cable
	2	Vertical Mounting pole	1	Φ 40~Φ 50mm pole

BC9306S Series
LED Explosion Proof Light (Bracket-Spotlight)



Ex marking: Ex db e IIC T6/T5/T4 Gb
Ex tb IIIC T80°C/T95°C/T130°C Db, IP66

■ Zone 1, zone 2; zone 21, zone 22.

Main Specification

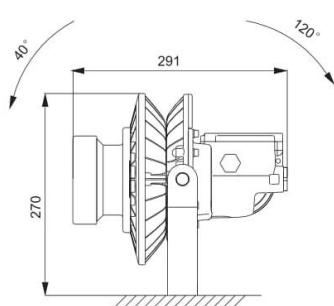
Item	Technical Parameters
Input voltage (V)	90~264VAC
Rated frequency	50Hz / 60Hz
CRI (Ra)	70 (80 optional)
Life time (h)	50,000
CCT	5000K(3000K/4000K optional)
Cable entry	M20×1.5, NPT1/2"
Terminals	Multi core: ≤2.5mm ²
	Single core: ≤4mm ²
Dimension (mm)	291×260×270
Net weight (kg)	5.4

Ordering Reference

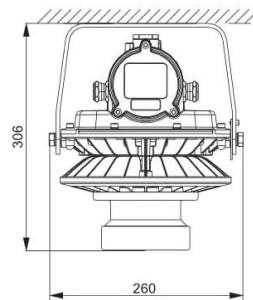
Ordering reference	Picture	Rated Wattage (W)	Light output (lm)	Light distribution curve(1000cd/lm)	Equivalent to MH
BC9306S-L60-18°		60W	5900		150W
BC9306S-L80-18°		80W	7500		175W

Drawing of dimension (Dimensions in mm)

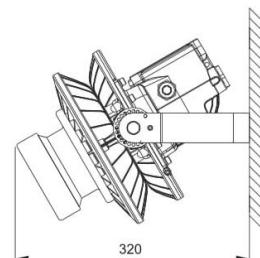
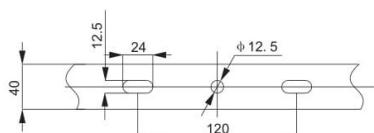
Seat mounting



Ceiling mounting

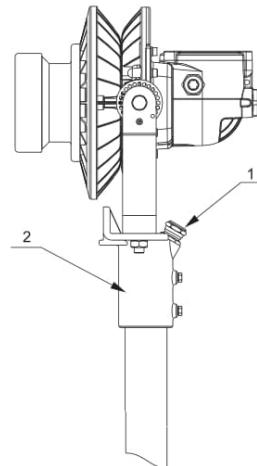
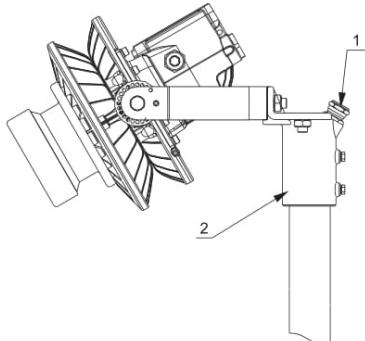


Side wall mounting



BC9306S Series
LED Explosion Proof Light (Bracket-Spotlight)

Pole mounting



Accessories ordering information(optional)

Ordering reference	Item no	Specification	quantity	note
P07	1	Water proof plug M20	1	Φ 8~Φ 12mm cable
	2	Vertical Mounting pole	1	Φ 40~Φ 50mm pole

BC9307P Series
LED Explosion Proof Light (Pole)



IECEx

ATEX

CE

RoHS

LM79

LM84

IP 66

Ta 40/55

Ta -50



Ex marking: Ex db e IIC T4/T3 Gb
Ex tb IIIC T130°C/T195°C Db, IP66

■ Zone 1, zone 2; zone 21, zone 22.

Main Specification

Item	Technical Parameters
Input voltage (V)	90~264VAC
Rated frequency	50Hz / 60Hz
CRI (Ra)	70 (80 optional)
Life time (h)	50,000
CCT	5000K(3000K/4000K optional)
Cable entry	M20×1.5, M25×1.5, G3/4", NPT1/2", NPT3/4"
Terminals	Multi core: ≤2.5mm ²
	Single core: ≤4mm ²
Dimension (mm)	Φ 300×290
Net weight (kg)	6.4

Ordering reference

Ordering reference	Picture	Rated Wattage (W)	Light output (lm)	Space height ratio	Mounting height (m)	Light distribution curve(1000cd/lm)	Equivalent to
							MH
BC9307P-L100-40°		100W	11300	0.7	8~12m		250W
BC9307P-L120-40°		120W	13000				>250W
BC9307P-L150-40°		150W	16500		10~20m		400W
BC9307P-L180-40°		180W	17500				>400W

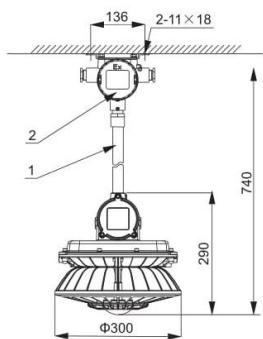
Ordering reference	Picture	Rated Wattage (W)	Light output (lm)	Space height ratio	Mounting height (m)	Light distribution curve(1000cd/lm)	Equivalent to
							MH
BC9307P-L100-60°		100W	11200	0.9	8~12m		250W
BC9307P-L120-60°		120W	12900				>250W
BC9307P-L150-60°		150W	16500		10~20m		400W
BC9307P-L200-60°		200W	23100				>400W
BC9307P-L240-60°		240W	26700		20~30m		600W~800W
BC9307P-L100-80°		100W	11500				250W
BC9307P-L120-80°		120W	13200				>250W
BC9307P-L150-80°		150W	16800				400W
BC9307P-L200-80°		200W	23700				>400W
BC9307P-L240-80°		240W	27200				600W~800W
BC9307P-L100-100°		100W	11600	1.4	8~12m		250W
BC9307P-L120-100°		120W	13400				>250W
BC9307P-L150-100°		150W	17000		10~15m		400W
BC9307P-L200-100°		200W	23900				>400W
BC9307P-L240-100°		240W	27400		15~20m		600W~800W

Note 1: Lens can be customized 60°×80°, 90°×100°, 200°

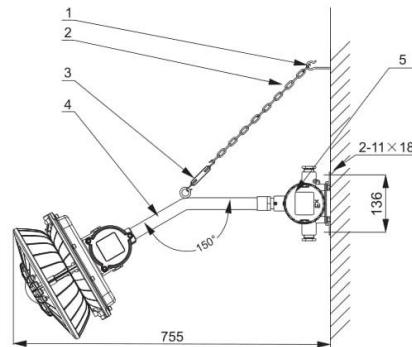
**BC9307P Series
LED Explosion Proof Light (Pole)**

Drawing of dimension (Dimensions in mm)

Pole mounting



Wall mounting 150deg



Accessories order information(Pole mounting)

Ordering reference	Item no.	Specification	quantity
P01	1	G3/4" pole 30cm	1
BHD01	2	Explosion proof junction box	1

Accessories order information(Wall mounting 150deg)

Ordering reference	Item no.	Specification	quantity
P03	1	Expansion screw hook	1
	2	Chain	1
	3	C-C turn buckle	1
	4	G3/4" bend pipe 150°	1
BHD01	5	Explosion proof junction box	1

BC9307S Series
LED Explosion Proof Light (Bracket)



Ex marking: Ex db e IIC T4/T3 Gb
Ex tb IIIC T130°C/T195°C Db, IP66

■ Zone 1, zone 2; zone 21, zone 22.

Main Specification

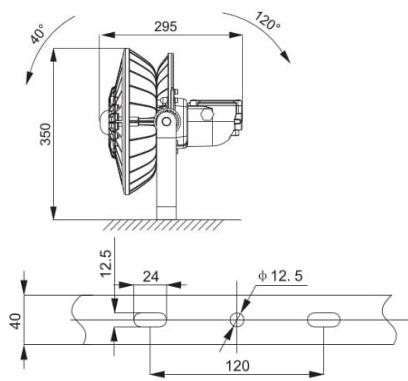
Item	Technical Parameters
Input voltage (V)	90~264VAC
Rated frequency	50Hz / 60Hz
CRI (Ra)	70 (80 optional)
Life time (h)	50,000
CCT	5000K(3000K/4000K optional)
Cable entry	M20×1.5
Terminals	Multi core: $\leq 2.5\text{mm}^2$
	Single core: $\leq 4\text{mm}^2$
Dimension (mm)	295×330×350
Net weight (kg)	7.5

Ordering Reference

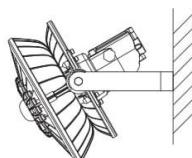
Model number	Picture	Rated Wattage (W)	Light output (lm)	Space height ratio	Mounting height (m)	Light distribution Curve(1000cd/lm)	Equivalent to	
							MH	
BC9307S-L100-60°×80°		100W	11800	1.25	8~12m		250W	
BC9307S-L120-60°×80°		120W	13600				>250W	
BC9307S-L150-60°×80°		150W	17300		10~15m		400W	
BC9307S-L200-60°×80°		200W	23300				>400W	
BC9307S-L240-60°×80°		240W	26700		15~20m		600W~800W	

Drawing of dimension (Dimensions in mm)

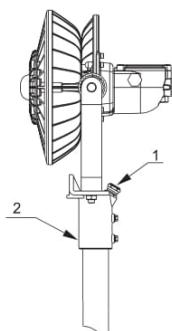
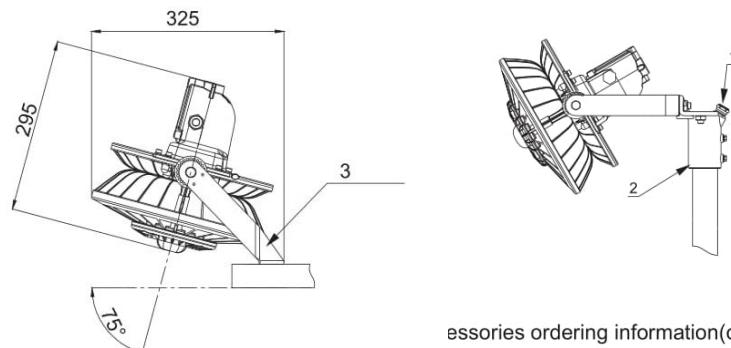
Seat mounting



Side wall mounting



Pole mounting



Accessories ordering information(optional)

Accessories ordering information(optional)

Order number	No.	Specification	quantity
P23	3	Inclined bracket	1

Order number	No.	Specification	quantity	note
P07	1	Water proof plug M20	1	$\phi 8\sim\phi 12\text{mm}$ cable
	2	Vertical Mounting pole	1	$\phi 40\sim\phi 50\text{mm}$ pole

BC9307S Series
LED Explosion Proof Light (Bracket-Spotlight)



Ex marking: Ex db e IIC T4/T3 Gb
Ex tb IIIC T130°C/T195°C Db, IP66

■ Zone 1, zone 2; zone 21, zone 22.

Main Specification

Item	Technical Parameters
Input voltage (V)	90~264VAC
Rated frequency	50Hz / 60Hz
CRI (Ra)	70 (80 optional)
Life time (h)	50,000
CCT	5000K(3000K/4000K optional)
Cable entry	M20×1.5
Terminals	Multi core: ≤ 2.5mm ²
	Single core: ≤ 4mm ²
Dimension (mm)	341×330×350
Net weight (kg)	8.1

Ordering Reference

Model number	Picture	Rated Wattage (W)	Light output (lm)	Light distribution curve(1000cd/lm)	Equivalent to
					MH
BC9307S□-L100-18°		100W	10000		250W
BC9307S□-L120-18°		120W	11500		>250W
BC9307S□-L150-18°		150W	14600		400W
BC9307S□-L180-18°		180W	15500		>400W

Ordering Reference

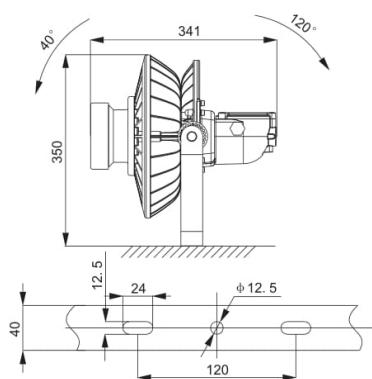
Model number	Picture	Rated Wattage (W)	Light output (lm)	Light distribution curve(1000cd/lm)	Equivalent to
					MH
BC9307S□-L200-25°		200W	20300		>400W
		240W	23500		400W~600W

Note : order number "□" according to the actual installation needs fill in 1 or 2, S1 straight stent, S2 angle bracket.

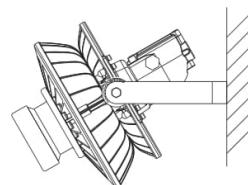
BC9307S Series
LED Explosion Proof Light (Bracket-Spotlight)

Drawing of dimension (Dimensions in mm)

Seat mounting

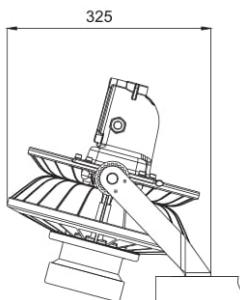
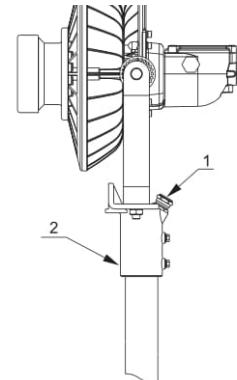
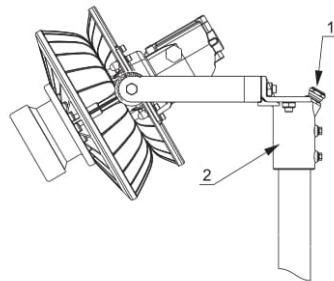


Side wall mounting



BC9307S1

Pole mounting



Accessories ordering information(optional)

BC9307S2

Order number	No.	Specification	quantity	note
P07	1	Water proof plug M20	1	φ 8~φ 12mm cable
	2	Vertical Mounting pole	1	φ 40~φ 50mm pole

**BC9308P Series
LED Explosion Proof Light (Pole)**

Ex

CE

RoHS

LM79

LM84

IP 66

Ta 55

Ta -40



Ex marking: Ex d IIC T5/T6 Gb
Ex td A21 IP66 T95°C/T80°C, IP66

■ Zone 1, zone 2; zone 21, zone 22.

Main Specification

Item	Technical Parameters
Input voltage (V)	90~264VAC(30~60W) or 185~264VAC (80W)
	18~43VAC/ 18~55VDC (30~60W)
Rated frequency	50Hz / 60Hz
Light source	LED
Life time (h)	50,000
CRI (Ra)	70 (80 optional)
CCT	5000K(3000K/4000K optional)
Cable entry	G3/4"
Dimension (mm)	Φ 230×170
Net weight (kg)	3

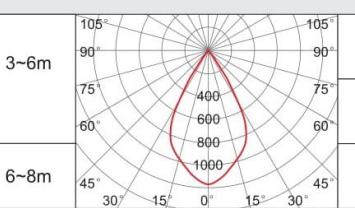
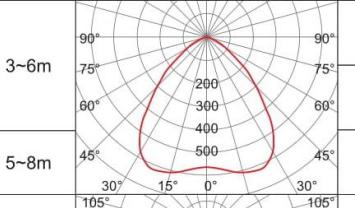
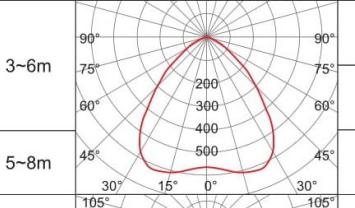
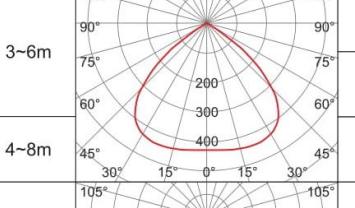
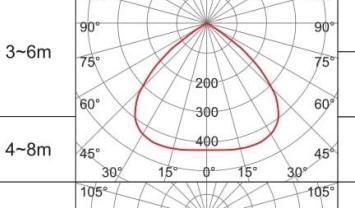
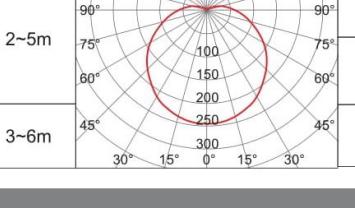
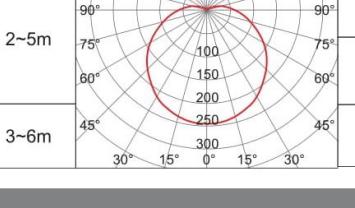
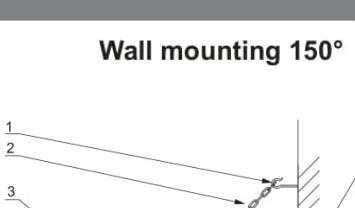
Ordering reference

Model number	Picture	Rated Wattage (W)	Light output (lm)	Space height ratio	Mounting height (m)	Light distribution curve(1000cd/lm)	Equivalent to MH	
Input voltage: 90~264VAC(30~60W) or 185~264VAC (80W)								
BC9308P-L30-60°		30W	3400	0.9	3~6m		70W	
BC9308P-L40-60°		40W	4400				100W	
BC9308P-L50-60°		50W	5400		6~8m		100W	
BC9308P-L60-60°		60W	6700				150W	
BC9308P-L80-60°		80W	8400				175W	

Note 1: Lens can be customized 60°×80°, 90°×110°

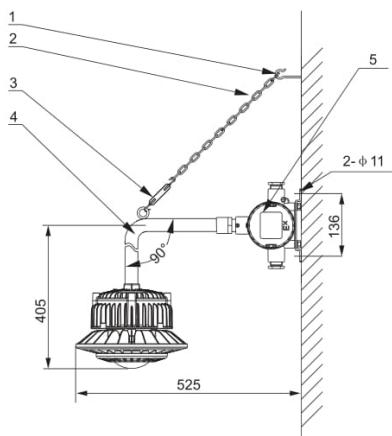
Model number	Picture	Rated Wattage (W)	Light output (lm)	Space height ratio	Mounting height (m)	Light distribution curve(1000cd/lm)	Equivalent to MH	
Input voltage: 90~264VAC(30~60W) or 185~264VAC (80W)								
BC9308P-L30-80°		30W	3500	1.35	3~6m		70W	
BC9308P-L40-80°		40W	4500				100W	
BC9308P-L50-80°		50W	5600		5~8m		100W	
BC9308P-L60-80°		60W	6900				150W	
BC9308P-L80-80°		80W	8700				175W	
BC9308P-L30-100°		30W	3500	1.4	3~6m		70W	
BC9308P-L40-100°		40W	4600				100W	
BC9308P-L50-100°		50W	5600		4~8m		100W	
BC9308P-L60-100°		60W	7000				150W	
BC9308P-L80-100°		80W	8800				175W	
BC9308P-L30-200°		30W	2800	1.75	2~5m		70W	
BC9308P-L40-200°		40W	3700				100W	
BC9308P-L50-200°		50W	4500		3~6m		100W	
BC9308P-L60-200°		60W	5400				150W	
BC9308P-L80-200°		80W	6800				175W	

**BC9308P Series
LED Explosion Proof Light (Pole)**

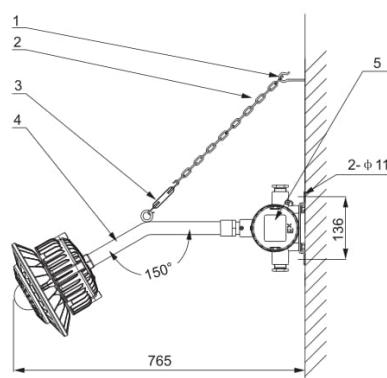
Input voltage: 18~43VAC/ 18~55VDC							
Model	Power	Lumen	Angle	Efficiency	Beam Angle	Horizontal Beam Pattern	Vertical Beam Pattern
BC9308P-L25D-60°	25W	2800	0.9	3~6m	6~8m		
BC9308P-L40D-60°	40W	4400					
BC9308P-L60D-60°	60W	6700					
BC9308P-L25D-80°	25W	2900	1.4	3~6m	5~8m		
BC9308P-L40D-80°	40W	4600					
BC9308P-L60D-80°	60W	6900					
BC9308P-L25D-100°	25W	2900	1.4	3~6m	4~8m		
BC9308P-L40D-100°	40W	4600					
BC9308P-L60D-100°	60W	7000					
BC9308P-L25D-200°	25W	2400	1.75	2~5m	3~6m		
BC9308P-L40D-200°	40W	3700					
BC9308P-L60D-200°	60W	5400					

Drawing of dimension (Dimensions in mm)

Wall mounting 90°



Wall mounting 150°



Accessories order information(Wall mounting 90deg)

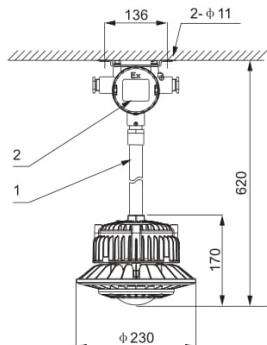
Order number	No.	Specification	quantity
P04	1	Expansion screw hook	1
	2	Chain	1
	3	C-C turn buckle	1
	4	G3/4" bend pipe 90°	1
BHD01	5	Explosion proof junction box	1

Accessories order information(Wall mounting 150deg)

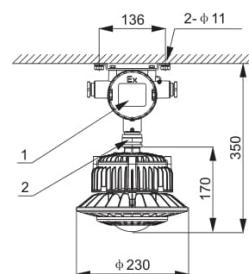
Order number	No.	Specification	quantity
P03	1	Expansion screw hook	1
	2	Chain	1
	3	C-C turn buckle	1
	4	G3/4" bend pipe 150°	1
BHD01	5	Explosion proof junction box	1

**BC9308P Series
LED Explosion Proof Light (Pole)**

Pole mounting



Ceiling mounting



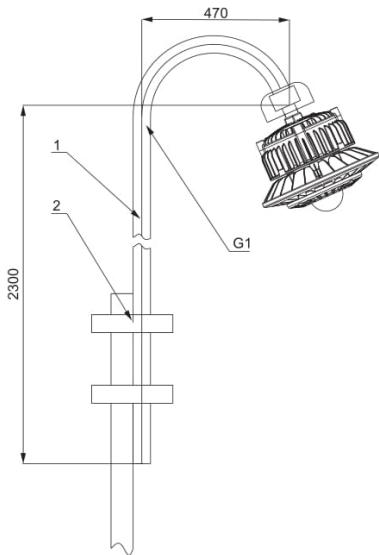
Accessories order information(Pole mounting)

Order number	No.	Specification	quantity
P01	1	G3/4" pole 30cm	1
BHD01	2	Explosion proof junction box	1

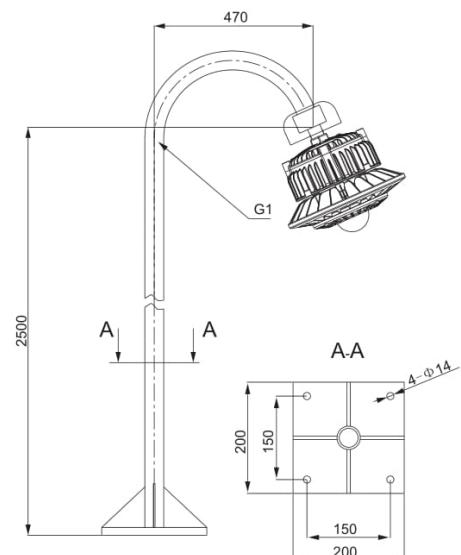
Accessories order information(ceiling mounting)

Order number	No.	Specification	quantity
BHD01	1	Explosion proof junction box	1
P02	2	Adapter G3/4"(Female-male)	1

Guardrail mounting



Flange mounting



Accessories order information(Guardrail mounting)

Order number	No.	Specification	quantity
P05	1	Guardrail pole	1
	2	U type bolts	2

Accessories order information(Flange mounting)

Order number	No.	Specification	quantity
P06	1	Flange pole	1

BC9308S Series
LED Explosion Proof Light (Bracket)



RoHS

LM79

LM84



Ex marking: Ex d IIC T5/T6 Gb
Ex ID A21 IP66 T95°C/T80°C, IP66

■ Zone 1, zone 2; zone 21, zone 22.

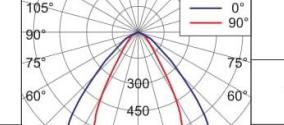
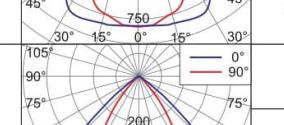
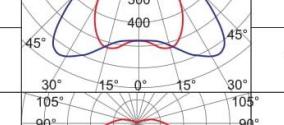
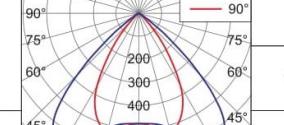
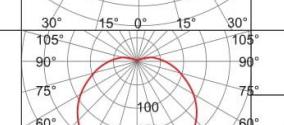
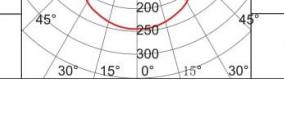
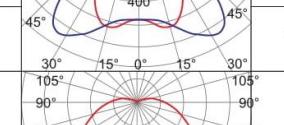
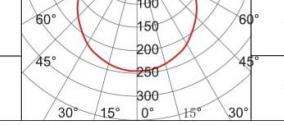
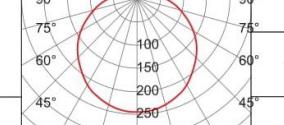
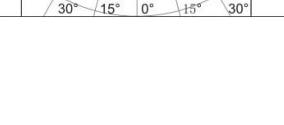
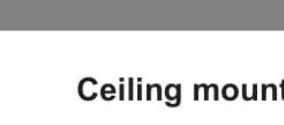
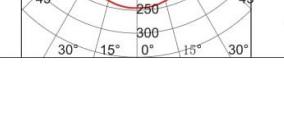
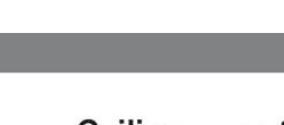
Main Specification

Item	Technical Parameters
Input voltage (V)	90~264VAC(30~60W) or 185~264VAC (80W)
	18~43VAC/ 18~55VDC (30~60W)
Rated frequency	50Hz / 60Hz
Light source	LED
Life time (h)	50,000
CRI (Ra)	70 (80 optional)
CCT	5000K(3000K/4000K optional)
Cable entry	M20×1.5, M25×1.5, G3/4", NPT1/2", NPT3/4"
Dimension (mm)	180×230×270
Net weight (kg)	3.7

Ordering Reference

Model number	Picture	Rated Wattage (W)	Light output (lm)	Space height ratio	Mounting height (m)	Light distribution curve(1000cd/lm)	Equivalent to
							MH
Input voltage: 90~264VAC(30~60W) or 185~264VAC (80W)							
BC9308S-L30-60°×80°		30W	3500	1.25	3~6m		70W
BC9308S-L40-60°×80°		40W	4600				100W
BC9308S-L50-60°×80°		50W	5600		5~8m		100W
BC9308S-L60-60°×80°		60W	6900				150W
BC9308S-L80-60°×80°		80W	8800				175W
BC9308S-L30-90°×110°		30W	3300	1.75	3~6m		70W
BC9308S-L40-90°×110°		40W	4400				100W
BC9308S-L50-90°×110°		50W	5600		5~8m		100W
BC9308S-L60-90°×110°		60W	6700				150W
BC9308S-L80-90°×110°		80W	8400				175W
BC9308S-L30-200°		30W	2800	1.75	2~5m		70W
BC9308S-L40-200°		40W	3700				100W
BC9308S-L50-200°		50W	4500		3~6m		100W
BC9308S-L60-200°		60W	5400				150W
BC9308S-L80-200°		80W	6800				175W

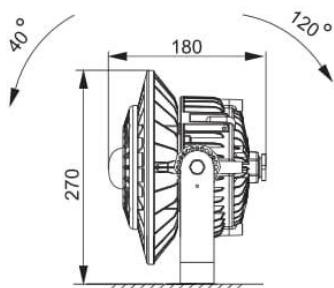
**BC9308S Series
LED Explosion Proof Light (Bracket)**

Input voltage: 18~43VAC/ 18~55VDC							
BC9308S-L25D-60°×80°		25W	2900	1.25	3~6m		70W
		40W	4600		5~8m		100W
		60W	6900				150W
BC9308S-L25D-90°×110°		25W	2700	1.75	3~6m		70W
		40W	4400		5~8m		100W
		60W	6700				150W
BC9308S-L40D-90°×110°		25W	2400	1.75	2~5m		70W
		40W	3700		3~6m		100W
		60W	5400				150W
BC9308S-L60D-90°×110°		25W	2700	1.75	3~6m		70W
		40W	4400		5~8m		100W
		60W	6700				150W
BC9308S-L25D-200°		25W	2400	1.75	2~5m		70W
		40W	3700		3~6m		100W
		60W	5400				150W

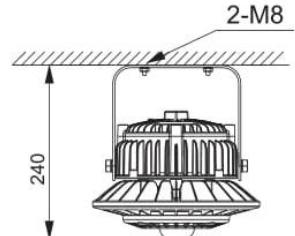
Note 1: Lens can be customized 40°,60°,80°,100°

Drawing of dimension (Dimensions in mm)

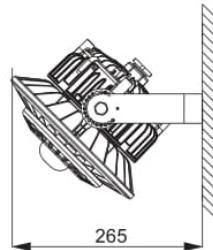
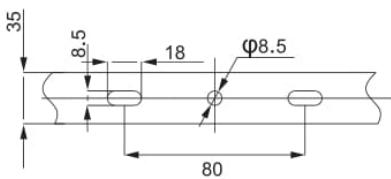
Seat mounting



Ceiling mounting

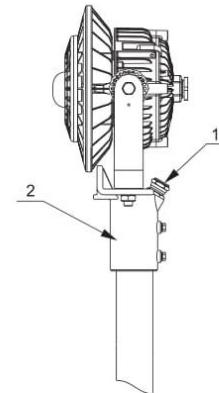
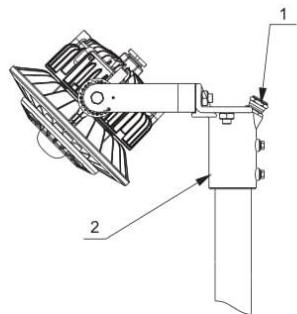


Side wall mounting



BC9308S Series
LED Explosion Proof Light (Bracket)

Pole mounting



Accessories ordering information(optional)

Order number	No.	Specification	quantity	note
P07	1	Water proof plug M20	1	φ 8~φ 12mm cable
	2	Vertical Mounting pole	1	φ 40~φ 50mm pole

**BC9309P Series
LED Explosion Proof Light (Pole)**



Ex marking: Ex nR IIC T4/T3 Gc
Ex tb IIIC T130°C/T195°C Db

■ zone 2; zone 22.

Main Specification

Item	Technical Parameters
Rated voltage (V)	100~277VAC
Rated frequency	50Hz / 60Hz
Light source	LED
Life time (h)	50,000
CRI	Ra 70 (80 optional)
CCT	5000K(3000K/4000K optional)
Leading-in cable diameter	Φ 8mm~ Φ 12mm
Dimension (mm)	602×300×250
Net Weight (kg)	11.2

Ordering reference

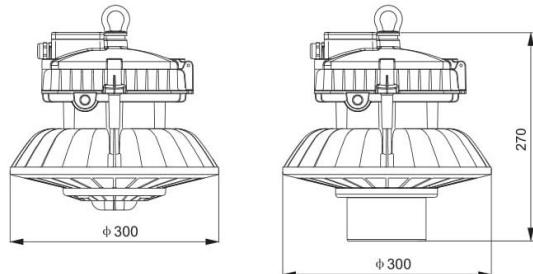
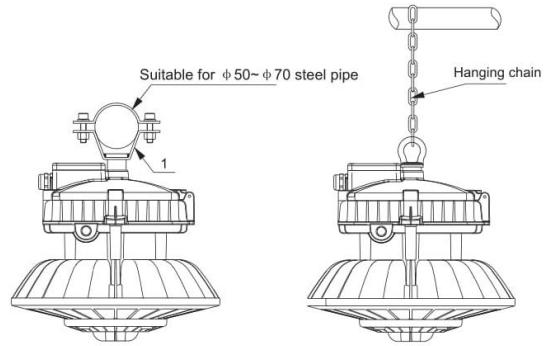
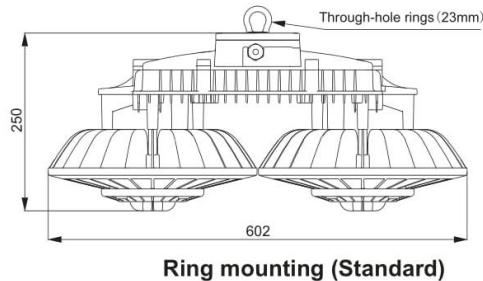
Model Number	Picture	Rated wattage (W)	Light output (lm)	Space height ratio	Mounting height (m)	Light distribution Curve(1000cd/lm)	Equivalent to
							MH
BC9309P-L300-18°		300W	28800	0.4	25-45m		600W
BC9309P-L400-25°		400W	40600				1000W
BC9309P-L480-25°		480W	47400				>1000W

Ordering reference

Model Number	Picture	Rated wattage (W)	Light output (lm)	Space height ratio	Mounting height (m)	Light distribution Curve(1000cd/lm)	Equivalent to
							MH
BC9309P-L240-40°		240W	25800	0.7	15-30m		600W
BC9309P-L300-40°		300W	32800				1000W
BC9309P-L360-40°		360W	37800				>1000W
BC9309P-L240-60°		240W	25500	0.9	15-30m		600W
BC9309P-L300-60°		300W	32400				1000W
BC9309P-L400-60°		400W	45200				>1000W
BC9309P-L480-60°		480W	55300				/
BC9309P-L240-80°		240W	26000	1.35	15-30m		600W
BC9309P-L300-80°		300W	33100				1000W
BC9309P-L400-80°		400W	46200				>1000W
BC9309P-L480-80°		480W	56500				/

BC9309P Series
LED Explosion Proof Light (Pole)

Drawing of dimension (Dimensions in mm)



Accessories Ordering Information (optional)

Order number	No.	Specifications Model	Quantity	Remark
P14	1	Hold hoop bracket	1	Suitable for ⌀ 50~ ⌀ 70 steel pipe

BC9309S Series
LED Explosion Proof Light (Bracket)



Ex marking: Ex nR IIC T4/T3 Gc
Ex tb IIIC T130°C/T195°C Db

■ zone 2; zone 22.

Main Specification

Item	Technical Parameters
Rated voltage (V)	100~277VAC
Rated frequency	50Hz / 60Hz
Light source	LED
Life time (h)	50,000
CRI	Ra 70 (80 optional)
CCT	5000K(3000K/4000K optional)
Leading-in cable diameter	Φ 8mm~Φ 12mm
Dimension (mm)	602×250×340
Net Weight (kg)	13

Ordering reference

Model Number	Picture	Rated wattage (W)	Light output (lm)	Space height ratio	Mounting height	Light distribution Curve(1000cd/lm)	Equivalent to
							MH
BC9309S□-L240-60°×80°		240W	27200	1.35	15~25m		600W
BC9309S□-L300-60°×80°		300W	34600				1000W
BC9309S□-L400-60°×80°		400W	46600				>1000W
BC9309S□-L480-60°×80°		480W	53400				/

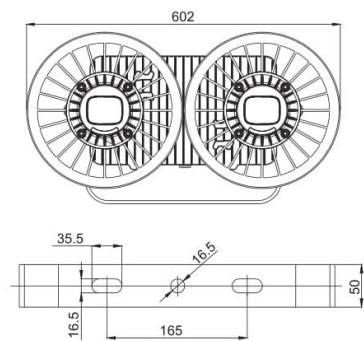
Model Number	Picture	Rated wattage (W)	Light output (lm)	Space height ratio	Mounting height (m)	Light distribution Curve(1000cd/lm)	Equivalent to
							MH
BC9309S□-L240-90°×110°		240W	25200	1.4	15~20m		600W
BC9309S□-L300-90°×110°		300W	32000				1000W
BC9309S□-L400-90°×110°		400W	44000				>1000W
BC9309S□-L480-90°×110°		480W	50600				/

Note 1: the above model with light for the recommended distribution, but also according to the actual need to choose other light distribution.

Note 2: order number "□" according to the actual installation needs fill in 1 or 2, S1 straight stent, S2 angle bracket.

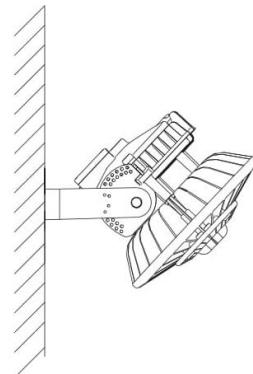
BC9309S Series
LED Explosion Proof Light (Bracket)

Drawing of dimension (Dimensions in mm)



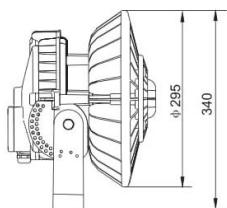
Installation Dimension

Side wall mounting



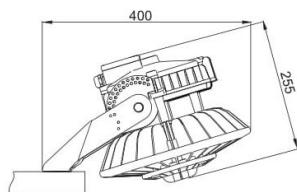
BC9309S1

Seat mountingS1



BC9309S1

Seat mountingS2



BC9309S2

BC9309S Series
LED Explosion Proof Light (Bracket-Spotlight)



Ex marking: Ex nR IIC T4/T3 Gc
Ex tb IIIC T130°C/T195°C Db

■ zone 2; zone 22.

Main Specification

Item	Technical Parameters
Input voltage (V)	90~305VAC
Rated frequency	50Hz / 60Hz
Light source	LED
Life time (h)	50,000
CRI	Ra 70 (80 optional)
CCT	5000K(3000K/4000K optional)
Leading-in cable diameter	Φ 8mm~Φ 12mm
Dimension (mm)	602×270×340
Net Weight (kg)	13.5

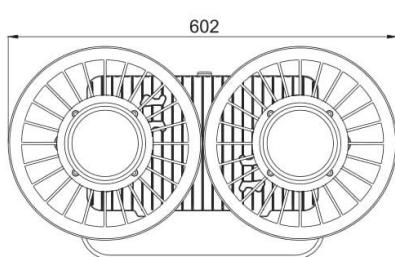
Ordering reference

Model Number	Picture	Rated wattage (W)	Light output (lm)	Light distribution Curve(1000cd/lm)	Equivalent to
					MH
BC9309S□-L240-18°		240W	23000		600W
BC9309S□-L300-18°		300W	29200		600W-1000W
BC9309S□-L400-25°		400W	40600		1000W
BC9309S□-L480-25°		480W	47000		>1000W

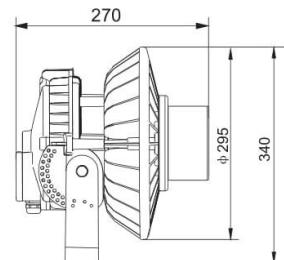
Note : order number "□" according to the actual installation needs fill in 1 or 2, S1 straight stent, S2 angle bracket.

BC9309S Series
LED Explosion Proof Light (Bracket-Spotlight)

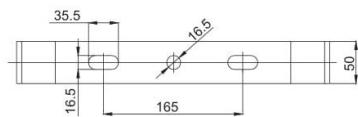
Drawing of dimension (Dimensions in mm)



Seat mountingS1

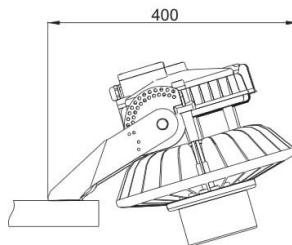


BC9309S1



Installation Dimension

Seat mountingS2



BC9309S2

BC9700 Series
LED Explosion Proof Light (Bracket-Spotlight)



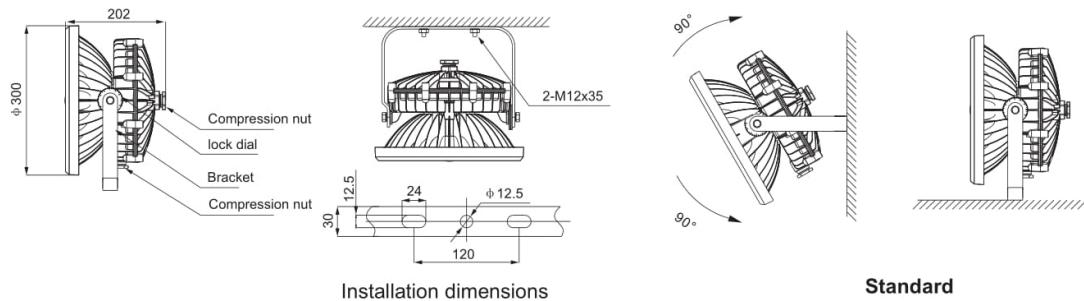
Ex marking: Ex db IIC T5/T4/T3 Gb
Ex tb IIIC T95°C/T130°C/T195°C Db

■ Zone 1, zone 2; zone 21, zone 22

Main Specification

Item	Technical Parameters
Input voltage (V)	90~305VAC
Rated frequency	50Hz / 60Hz
Light source	LED
Life time (h)	50,000
CRI (Ra)	70 (80 optional)
CCT	5000K(3000K/4000K optional)
Cable Entry	M20×1.5, M25×1.5, G3/4", NPT1/2", NPT3/4"
Dimension (mm)	300×202×332
Net weight (kg)	6.3

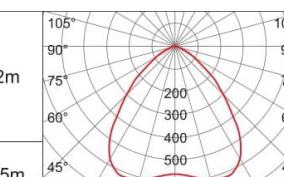
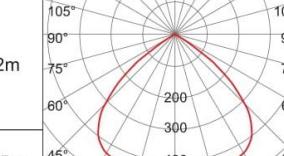
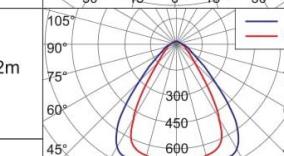
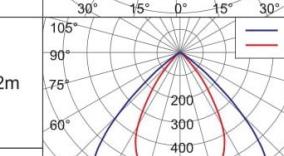
Drawing of dimension (Dimensions in mm)



Ordering Reference

Model number	Picture	Rated Wattage (W)	Light output (lm)	Space height ratio	Mounting height (m)	Light distribution Curve(1000cd/lm)	Equivalent to
							MH
BC9700-L60-40°		60W	6600	0.7	8~12m		150W
BC9700-L80-40°		80W	8600				175W
BC9700-L100-40°		100W	11200				250W
BC9700-L120-40°		120W	12900				>250W
BC9700-L150-40°		150W	15600				400W
BC9700-L180-40°		180W	16800				>400W
BC9700-L60-60°		60W	6600	0.9	8~12m		150W
BC9700-L80-60°		80W	8600				175W
BC9700-L100-60°		100W	11200				250W
BC9700-L120-60°		120W	12900				>250W
BC9700-L150-60°		150W	15500				400W
BC9700-L200-60°		200W	21900				>400W

BC9700 Series
LED Explosion Proof Light (Bracket-Spotlight)

BC9700-L60-80°		60W	6800	1.35	8~12m		105°	105°	150W
BC9700-L80-80°		80W	8800				90°	90°	175W
BC9700-L100-80°		100W	11500				75°	75°	250W
BC9700-L120-80°		120W	13200				60°	60°	>250W
BC9700-L150-80°		150W	15900				45°	45°	400W
BC9700-L200-80°		200W	22300				30°	30°	>400W
BC9700-L60-100°		60W	6800	1.4	8~12m		105°	105°	150W
BC9700-L80-100°		80W	8900				90°	90°	175W
BC9700-L100-100°		100W	11600				75°	75°	250W
BC9700-L120-100°		120W	13400				60°	60°	>250W
BC9700-L150-100°		150W	16100				45°	45°	400W
BC9700-L200-100°		200W	22700				30°	30°	>400W
BC9700-L60-60°×80°		60W	6800	1.25	8~12m		105°	0°	150W
BC9700-L80-60°×80°		80W	9000				90°	90°	175W
BC9700-L100-60°×80°		100W	11800				75°	75°	250W
BC9700-L120-60°×80°		120W	13600				60°	60°	>250W
BC9700-L150-60°×80°		150W	16400				45°	45°	400W
BC9700-L200-60°×80°		200W	22100				30°	30°	>400W
BC9700-L60-90°×110°		60W	6600	1.75	8~12m		105°	0°	150W
BC9700-L80-90°×110°		80W	8400				90°	90°	175W
BC9700-L100-90°×110°		100W	11000				75°	75°	250W
BC9700-L120-90°×110°		120W	12600				60°	60°	>250W
BC9700-L150-90°×110°		150W	15200				45°	45°	400W
BC9700-L200-90°×110°		200W	20900				30°	30°	>400W

BC9700 Series
High Power LED Explosion Proof Light (Road)



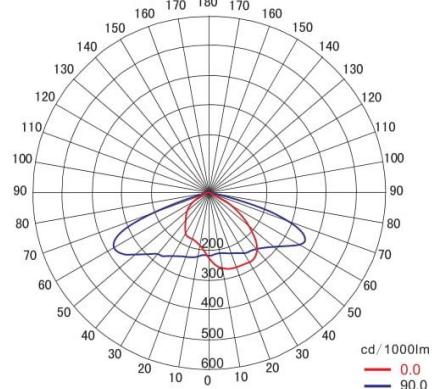
Ex marking: Ex db IIC T5/T4/T3 Gb
Ex tb IIIC T95°C/T130°C/T195°C Db

Main Specification

Item	Technical Parameters
Input voltage (V)	90~305VAC
Rated frequency	50Hz / 60Hz
Light source	LED
Life time (h)	50,000
CRI (Ra)	70 (80 optional)
CCT	5000K(3000K/4000K optional)
Cable entry	M20×1.5, M25×1.5, G3/4", NPT1/2", NPT3/4"
Dimension (mm)	300×202×332
Net weight (kg)	6.3

■ Applicable to the gas explosion zone 1, zone 2 and zone 21, zone 22 dust explosion;

Light Distribution Curve

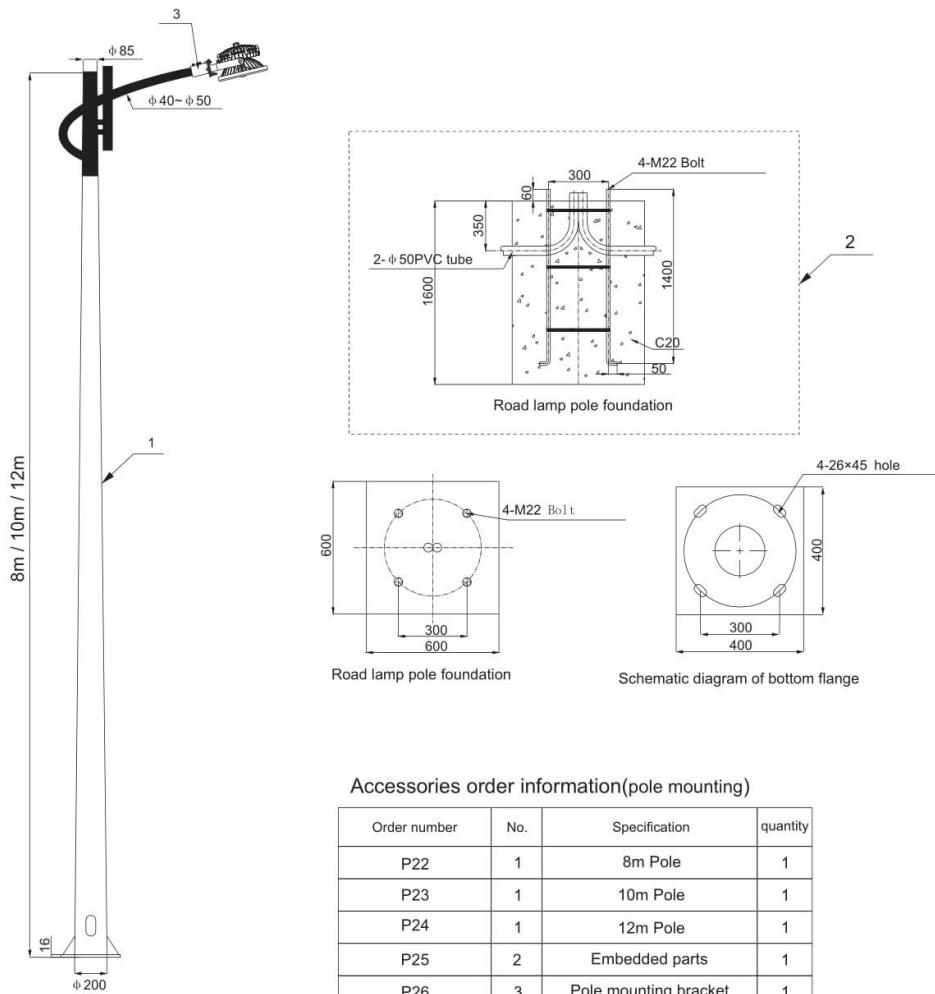


Ordering Reference

Model number	Rated Wattage (W)	Light output (lm)	Space height ratio	Mounting height (m)	Equivalent to
					MH
BC9700-L60	60W	6600	1.75	6~8m	150W
BC9700-L80	80W	8400		8~10m	175W
BC9700-L100	100W	11000		10~12m	250W
BC9700-L120	120W	12600		12~15m	250~400W
BC9700-L150	150W	16000			400W
BC9700-L200	200W	22000			400~600W

BC9700 Series
High Power LED Explosion Proof Light (Road)

Drawing of dimension (Dimensions in mm)



Accessories order information(pole mounting)

Order number	No.	Specification	quantity
P22	1	8m Pole	1
P23	1	10m Pole	1
P24	1	12m Pole	1
P25	2	Embedded parts	1
P26	3	Pole mounting bracket	1

Single arm installation (post purchase)