WAROM

STOCK CODE: 603855

NEW PRODUCTS
FROM 2024 TO 2025

NEW

WAROM TECHNOLOGY INCORPORATED COMPANY

BAY51-Q LED Series

Explosion-proof Light Fixtures

Applicable area
Zones 1 & 2; 21 & 22

Explosion-proof certificate
IECEx: applied for
ATEX: applied for

Enclosure
GRP, stands 7J impact, corrosion-proof

Diffuser
Polycarbonate, high light transmission, stands 7J impact

LED driver
Wide voltage input, CC-CV (constant current - constant voltage) output, power factor ≥0.95, with function of distributed current, constant current, surge-proof and anti-electromagnetic interference, and protection against overcurrent, open circuit, and short circuit.

Exposed fastener
Stainless steel

Ambient temperature
-40℃~+45℃/+60℃

Terminal (Without emergency function)
$3×1.5~4mm^2$ (L+N+PE)

Cable entries
2×Φ26: 2×M25×1.5 cable glands (DQM-I Ex e, plastic).

Available cable outer diameter
Φ9~Φ16 (mm)

Installation type
X: Ceiling type, B: Wall type, D: Pendant chain type,
G: Pendant pole type, L: Pole type

SMD explosion-proof light source module.

Vaporization diffusion cover.

Explosion-proof signal indicator light module.

### Light distribution curve

PRODUCT SELECTION
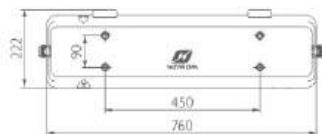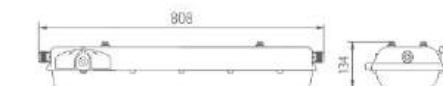
Rated power	Luminous flux	Lamp specification	Rated voltage	Ex-mark	Degree of protection	Type of enclosure
20W	2400lm	SMD LED	100-277V AC 50/60Hz 130-250V DC	Ex db eb mb IIC T6/T5 Gb Ex tb IIIC T80℃ Db (Ex) II 2 G Ex db eb mb IIC T6/T5 Gb (Ex) II 2 D Ex tb IIIC T80℃ Db	IP66	Type I
40W	5150lm					
60W	9000lm					Type II
80W	10000lm					
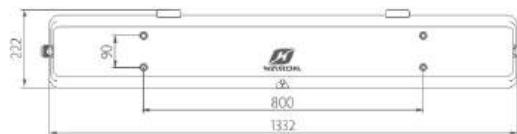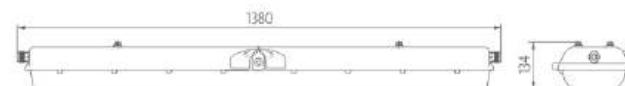
EMERGENCY DATA
Special emergency controller and battery pack, with protection against overcharge and overdischarge.

| Emergency power (W)	Emergency starting time	Charging time	Emergency lighting time	Terminal
20W×70%	0.3s	24h	90min (180min is optional)	$5×1.5~4mm^2$ (L1+N1+L1'+N1'+PE)
40W×35%				
60W×23%				
80W×18%				

## DIMENSION DRAWINGS
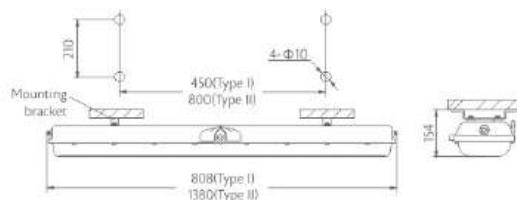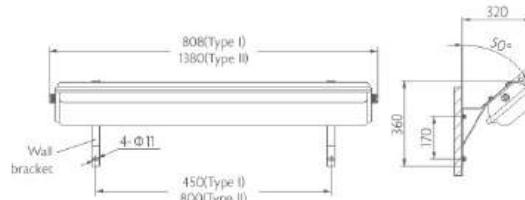
Type I

Type II

MOUNTING TYPE
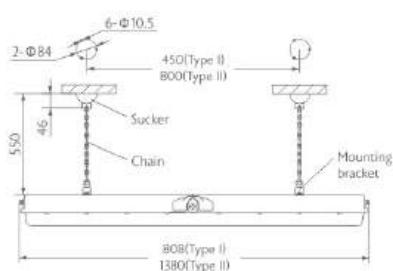
X: ceiling type
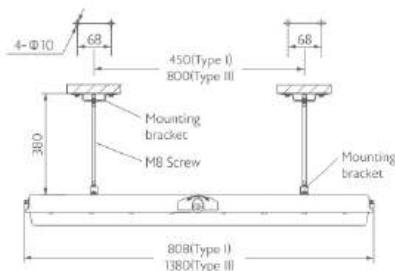
B: wall type
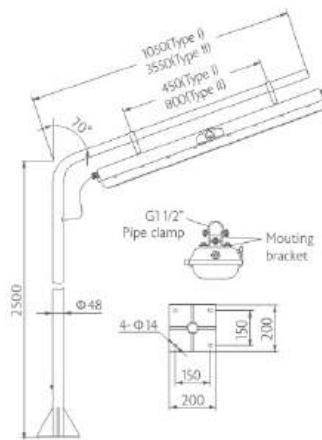
D: pendant chain type
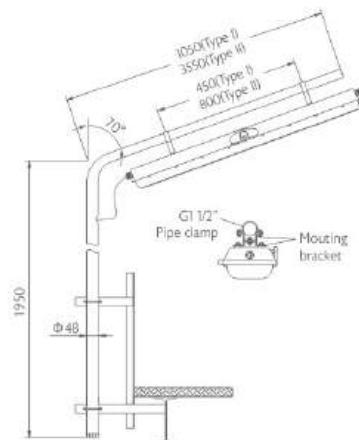
G: pendant pole type
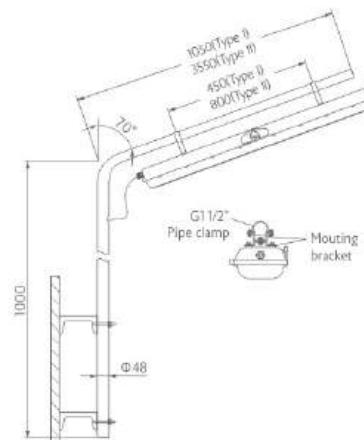
L: pole type (the pole is provided by user)

Suitable for ground pole type

Suitable for fence pole type

Suitable for wall pole type

HRY97 Series

Explosion-proof LED Light Fixtures

Applicable area
Zones 1 & 2; 21 & 22

Explosion-proof certificate
IECEx: IECEx CQM 24.0001X
ATEX: applied for

Enclosure
Copper-free Aluminium Alloy, powder coated surface, yellow (RAL1021)

Diffuser
Polycarbonate, stands 4J impact

LED driver
Wide voltage input, CC-CV (constant current-constant voltage) output, with function of distributed current, constant current, surge-proof and anti-electromagnetic interference, and protection against overcurrent, open circuit, and short circuit.
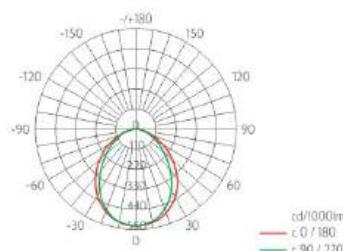
Exposed fastener
Stainless steel

Ambient temperature
-40℃~+40℃/58℃/+60℃

Terminal (Without emergency function)
3×1.5-4mm² (L+N+PE)

Cable entries
2×M25×1.5 plugs

Installation type
X: Ceiling type, B: Wall type, F: Flange type, H: Fence type
G: Pendant pole type, W: Bend pole type, QT: Derrick-specific type

SMD explosion-proof light source module.

Vaporization diffusion cover.

Explosion-proof signal indicator light module.

Light distribution curve

PRODUCT SELECTION

Rated power	Luminous flux	Lamp specification	Rated voltage	Ex-mark	Degree of protection	Type of enclosure
20W	2500lm	LED module	100-277V AC 50/60Hz 130-250V DC	Ex db eb mb IIC T5/T4 Gb Ex tb IIIC T70℃/T90℃ Db ⟨Ex⟩ II 2 G Ex db eb mb IIC T5/T4 Gb ⟨Ex⟩ II 2 D Ex tb IIIC T70℃/T90℃ Db	IP66	Type I
40W	5300lm					Type II
60W	7500lm					Type III

EMERGENCY DATA
Special emergency controller and battery pack, with protection against overcharge and overdischarge.
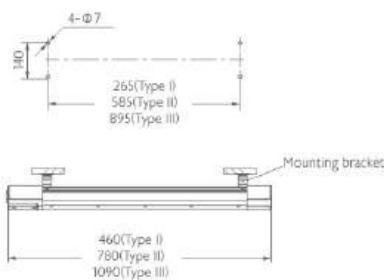
| Emergency power (W)	Emergency starting time	Charging time	Emergency lighting time	Ex-mark
20W×70%	0.3s	24h	90min (180min is optional)	Ex db eb mb IIC T4 Gb Ex tb IIIC T90℃ Db ⟨Ex⟩ II 2 G Ex db eb mb IIC T4 Gb ⟨Ex⟩ II 2 D Ex tb IIIC T90℃ Db
40W×35%				

DIMENSION DRAWINGS

460(Type I)
780(Type II)
1090(Type III)

70

138

MOUNTING TYPE

X: ceiling type

4-Φ7

140

265(Type I)
585(Type II)
895(Type III)

Mounting bracket

460(Type I)
780(Type II)
1090(Type III)

B: wall type

R4.5

18

Wall bracket

285

30

270(Type I)
590(Type II)
900(Type II)

G: pendant pole type

4-Φ10

68

270(Type I)
590(Type II)
900(Type III)

350

Mounting bracket

M8 Screw

460(Type I)
780(Type II)
1090(Type III)

QT: derrick-specific type

559(Type I)
879(Type II)
1189(Type III)

460(Type I)
780(Type II)
1090(Type III)

523(Type I)
843(Type II)
1153(Type III)

70

138

F: flange type

270(Type I)
590(Type II)
900(Type III)

70°

G1 1/2"
Pipe clamp

Mounting bracket

2500

Φ48

4-Φ14

150
200

150
200

H: fence type

270(Type I)
590(Type II)
900(Type III)

70°

G1 1/2"
Pipe clamp

Mounting bracket

1950

Φ48

W: bend pole type

270(Type I)
590(Type II)
900(Type III)

70°

G1 1/2"
Pipe clamp

Mounting bracket

1000

Φ48

HRY51-G/C LED Series

Explosion-proof Light Fixtures

Applicable area
Zones 1 & 2; 21 & 22

Explosion-proof certificate
IECEx: applied for
ATEX: applied for

Enclosure
Stainless steel

Diffuser
Clear polycarbonate, stands 4J impact

LED driver
Wide voltage input, CC-CV (constant current - constant voltage) output, power factor≥0.95

Exposed fastener
Stainless steel

Ambient temperature
-40℃-+60℃

Terminal
3×1.5-$4mm^2$ (L+N+PE)

Cable entries
$4 \times \Phi 21$; $4 \times M20 \times 1.5$ plugs

Installation type
x: ceiling type, g: pendant pole type, b: wall type,
W: bend pole type, f: flange type, h: fence type,
L: pendant chain type

SMD explosion-proof light source module.

Built-in explosion-proof limit switch.

Explosion-proof signal indicator light module.

Light distribution curve

cd/1000lm
— c 0 / 180
— c 90 / 270

PRODUCT SELECTION

Rated power	Luminous flux	Lamp specification	Rated voltage	Ex-mark	Degree of protection	Type of enclosure
20W	2500lm	SMD LED	100-277V AC 50/60Hz 130-250V DC	Ex db eb mb IIC T5/T4 Gb Ex tb IIIC T95℃/T130℃ Db ⓔ II 2 G Ex db eb mb IIC T5/T4 Gb ⓔ II 2 D Ex tb IIIC T95℃/T130℃ Db	IP66/IP67	Type I
40W	5300lm					
60W	7500lm					Type II
80W	10000lm					
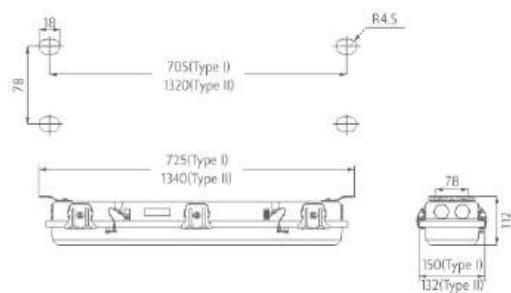
EMERGENCY DATA
Special emergency controller and battery pack, with protection against overcharge and overdischarge.
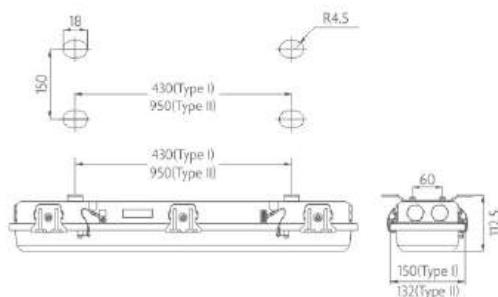
Emergency power (W)	Emergency starting time	Charging time	Emergency lighting time
20W×70%	0.3s	24h	90min (180min is optional)
40W×35%			
60W×23%			
80W×18%			

MOUNTING TYPE
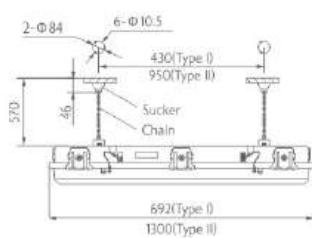
x1: ceiling type 1
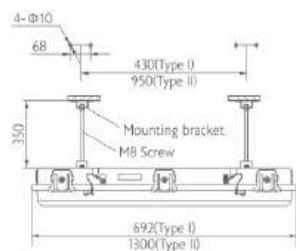
x2: ceiling type 2
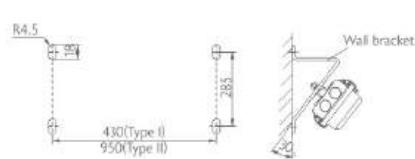
L: pendant chain type
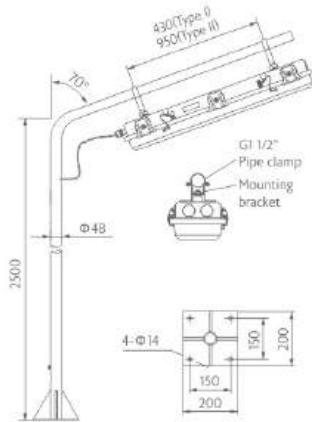
g: pendant pole type
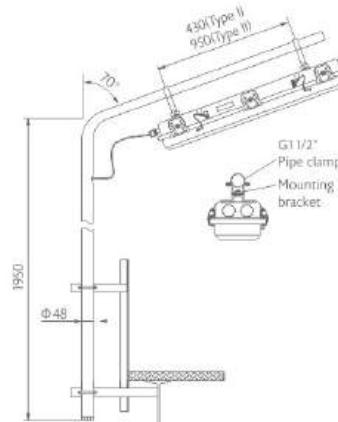
b: wall type
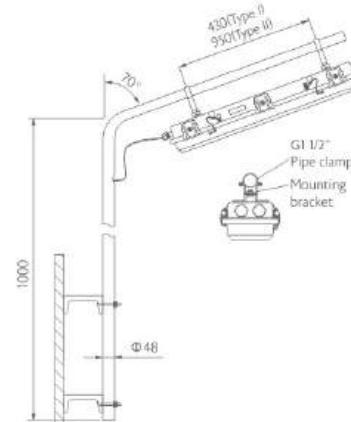
## f: flange type

h: fence type

W: bend pole type

BnY81-LED Series

Explosion-proof Light Fixtures

Applicable area
Zones 2; 21 & 22

Explosion-proof certificate
IECEx: applied for
ATEX: applied for

Enclosure
GRP, stands 7J impact, corrosion-proof

Diffuser
Polycarbonate, high light transmission, stands 7J impact, corrosion-proof
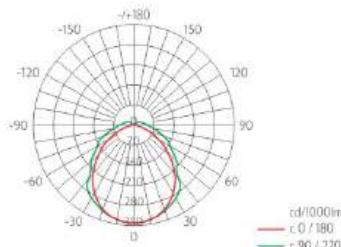
LED driver
Wide voltage input, CC-CV (constant current - constant voltage) output, power factor ≥0.95, with function of distributed current, constant current, surge-proof and anti-electromagnetic interference, and protection against overcurrent, open circuit, and short circuit.

Exposed fastener
Stainless steel

Ambient temperature
-40℃~+45℃/+60℃

Terminal
3×1.5~4mm^2 (L+N+PE)

Cable entries
3× Φ26: 2×M25×1.5 cable glands (DQM-I Exe, plastic)
+1×M25×1.5 Plug

Installation type
L: pole type, X: ceiling type, G: pendant pole type,
D: pendant chain type, B: wall type
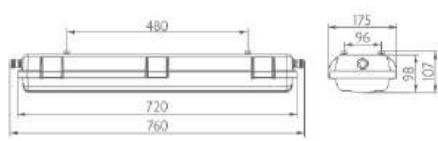
GRP enclosure.

SMD explosion-proof light source module.

Light distribution curve

PRODUCT SELECTION

Rated power	Luminous flux	Lamp specification	Rated voltage	Ex-mark	Degree of protection	Type of enclosure
20W	2300lm	SMD LED	100-277V AC 50/60Hz 120-250V DC	Ex ec mb IIC T5/T6 Gc Ex tb IIIC T80℃/T95℃ Db ⟨Ex⟩ II 3 G Ex ec mb IIC T5/T6 Gc ⟨Ex⟩ II 2 D Ex tb IIIC T80℃/T95℃ Db	IP66	Type I
40W	4600lm					
60W	6500lm					Type II

EMERGENCY DATA
Special emergency controller and battery pack, with protection against overcharge and overdischarge.

Emergency power (W)	Emergency starting time	Charging time	Emergency lighting time
20W×70%	0.3s	24h	120min (180min is optional)
40W×35%			
60W×23%			

DIMENSION DRAWINGS

Type I

Type II

MOUNTING TYPE

X: ceiling type

B: wall type

Wall bracket

D: pendant chain type

Sucker
Chain
Mounting bracket

G: pendant pole type

Mounting bracket
M8 Screw
Mounting bracket

L: pole type (the pole is provided by user)

G1 1/2"
Pipe clamp
Mounting bracket

G1 1/2"
Pipe clamp
Mounting bracket

G1 1/2"
Pipe clamp
Mounting bracket
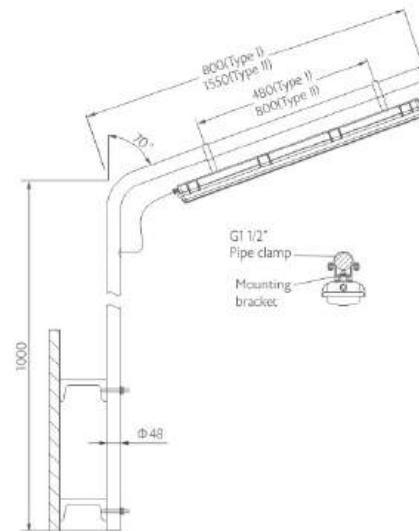
Suitable for ground pole type

Suitable for fence pole type

Suitable for wall pole type

HRD99 Series

Explosion-proof LED Lightings

Applicable area
Zones 1 & 2; 21 & 22

Explosion-proof certificate
IECEx: applied for
ATEX: applied for

Enclosure
Copper-free Aluminium Alloy, powder coated surface,
yellow (RAL1021)

Transparent cover
Polycarbonate, high light transmission, stands 7J impact

Exposed fastener
Stainless steel

Ambient temperature
-40℃-+40℃/+55℃ (-60℃ is optional)

Terminal
$3×1.5~4mm^2$ (L+N+PE)

Cable entries
M25×1.5

Available cable outer diameter
Φ10~Φ14 (mm)
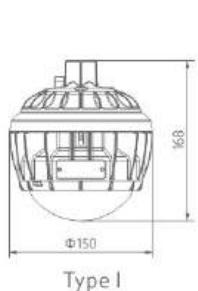
Installation type
X: Ceiling type, G: Pendant type, L: Pole type,
K: Bracket type
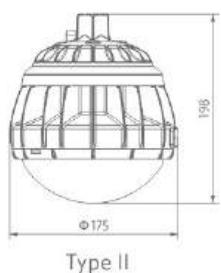
Optoelectronic integration technology.

Wireless connectivity device.

Vaporization diffusion cover.

Light distribution curve

PRODUCT SELECTION

Rated power	Luminous flux	Lamp specification	Rated voltage	Ex-mark	Degree of protection	Type of enclosure
30W	3300lm			Ex db IIC T6/T5 Gb		Type I
50W	6500lm	SMD LED	220-240V AC 50/60Hz	Ex tb IIIC T80℃/T95℃ Db	IP66	Type II
70W	8700lm			⟨Ex⟩ II 2 G Ex db IIC T6/T5 Gb		Type III
100W	11000lm			⟨Ex⟩ II 2 D Ex tb IIIC T80℃/T95℃ Db		
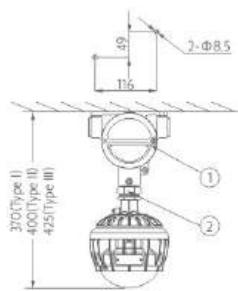
DIMENSION DRAWINGS

Type I   Φ150   168

Type II   Φ175   198

Type III   Φ204   228

MOUNTING TYPE

X: Ceiling type

49   2-Φ8.5   116

370(Type I)
400(Type II)
425(Type III)
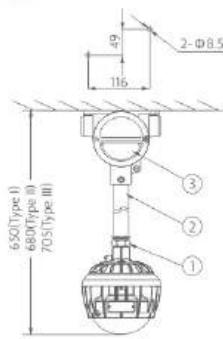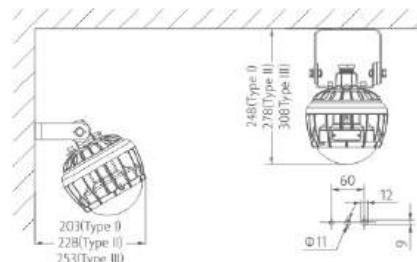
Accessories supplied with the light fittings:
1. BHDS1-F(Ex d IIC,copper-free aluminium alloy)
2. BGJ-III Explosion-proof connector
   M25 × 1.5(M)/M25 × 1.5 (M), Stainless steel.

G: Pendant type

49   2-Φ8.5   116

650(Type I)
680(Type II)
705(Type III)
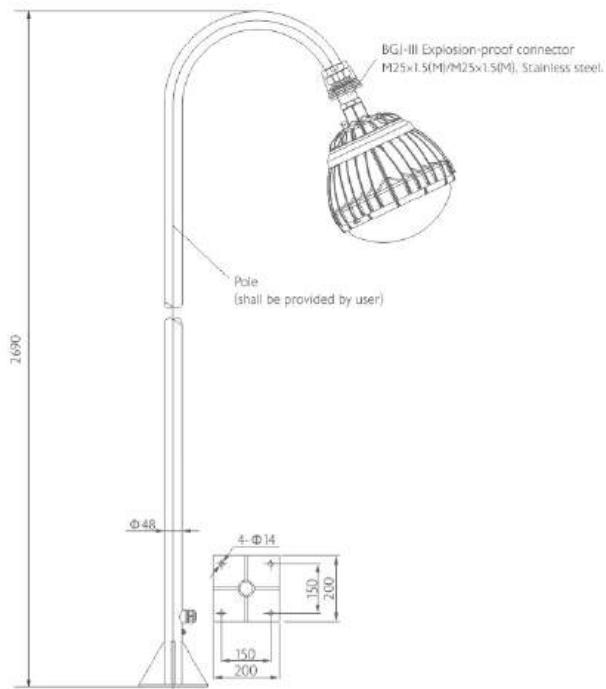
Accessories supplied with the light fittings:
1. BGJ-III Explosion-proof connector
   M25x1.5(M)/M25x1.5(F), Stainless steel.
2. Straight pipe(M25x1.5), length: 300mm.
3. BHDS1-F(Ex d IIC, copper-free aluminium alloy).

K: Bracket type

248(Type I)
278(Type II)
308(Type III)

203(Type I)
228(Type II)
253(Type III)

60   12   Φ11   9

L: pole type

BGJ-III Explosion-proof connector
M25x1.5(M)/M25x1.5(M), Stainless steel.

Pole
(shall be provided by user)

2690

Φ48

4-Φ14

150   200

150   200

HRT99 Series

Explosion-proof LED Flood Lights

Applicable area
Zones 1 & 2; 21 & 22

Explosion-proof certificate
IECEx: applied for
ATEX: applied for

Enclosure
Copper-free Aluminium Alloy, powder coated surface,
yellow (RAL1021)

Glass cover
Toughened glass, stands 4J impact

Exposed fastener
Stainless steel

Ambient temperature
-40℃~+40℃/+55℃ (-60℃ is optional)
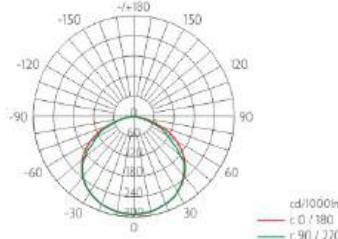
Terminal
$3 \times 1.5 \sim 4 mm^2$ (L+N+PE)

Cable entries
M20×1.5 (M25×1.5 is optional)

Available cable outer diameter
Φ5-Φ10 (mm)
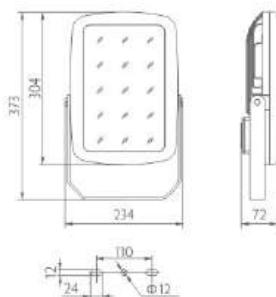
Installation type
B: Bracket type, M: Streetlight type
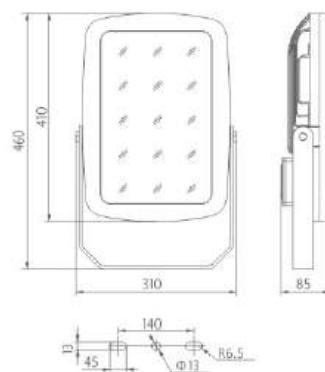
Optoelectronic integration technology.

The professionally designed positioning adjuster allows for precise beam angle adjustment.

Light distribution curve

PRODUCT SELECTION

Rated power	Luminous flux	Lamp specification	Rated voltage	Ex-mark	Degree of protection	Type of enclosure
80W	8800lm	SMD LED	220-240V AC 50/60Hz	Ex db eb IIC T5/T6 Gb Ex tb IIIC T80℃/T95℃ Db ⟨Ex⟩ II 2 G Ex db eb IIC T5/T6 Gb ⟨Ex⟩ II 2 D Ex tb IIIC T80℃/T95℃ Db	IP66	Type I
100W	11000lm					
120W	13000lm					
160W	17600lm					Type II
200W	22000lm					
240W	28000lm					

DIMENSION DRAWINGS
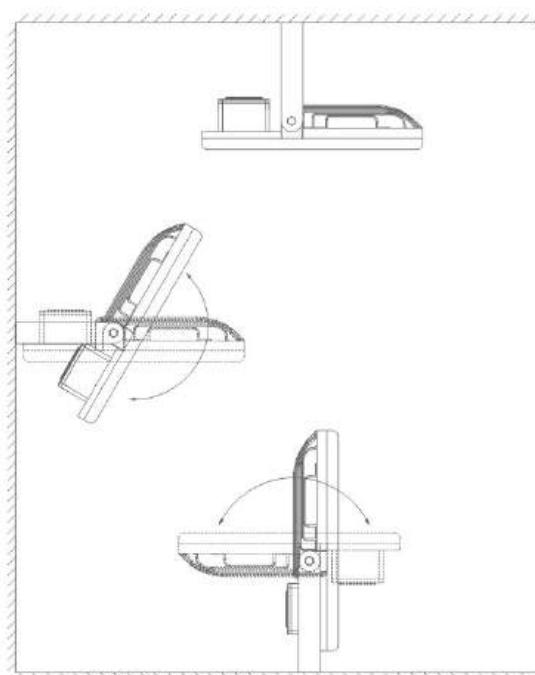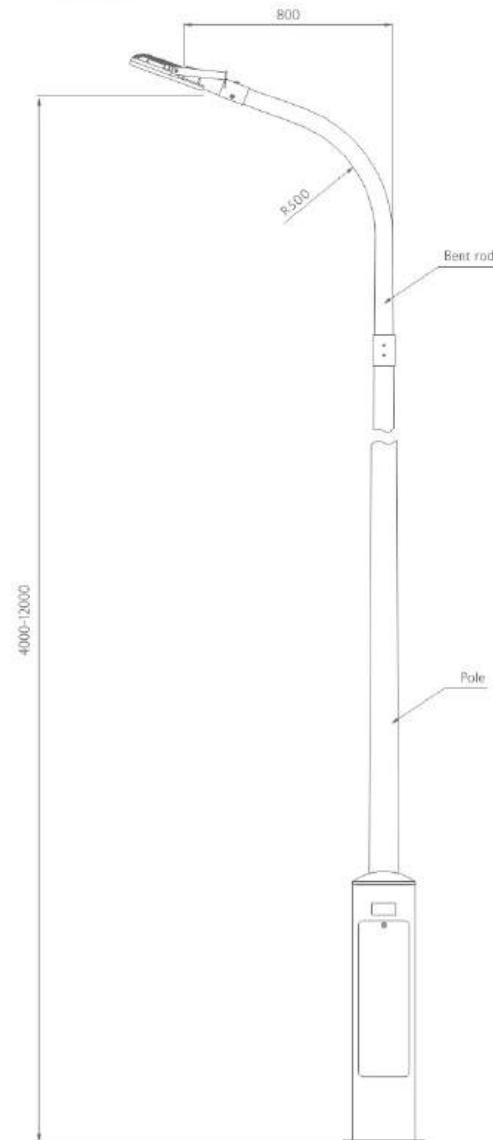
Type I

Type II

MOUNTING TYPE
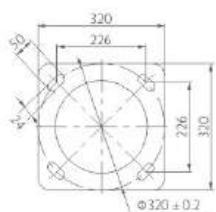
B: Bracket type

M: Street light type

Schematic diagram of street lamp flange

HRND95 Series

Explosion-proof LED Lightings

Applicable area
Zones 1 & 2; 21 & 22

Explosion-proof certificate
IECEx: applied for
ATEX: applied for

Enclosure
Copper-free Aluminium Alloy, powder coated surface.

Glass cover
Toughened glass, stands 4J impact

LED driver
Wide voltage input, CC-CV (constant current - constant voltage) output, power factor≥0.95, with function of distributed current, constant current, surge-proof and anti-electromagnetic interference, and protection against overcurrent, open circuit, and short circuit.

Exposed fastener
Stainless steel

Ambient temperature
-40℃~+55℃ (-60℃ is optional)

Terminal
3×1.5-4mm² (L+N+PE)
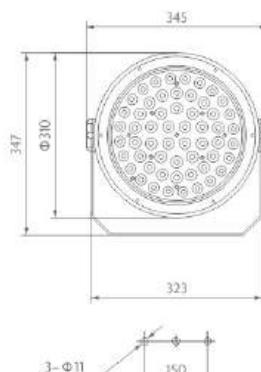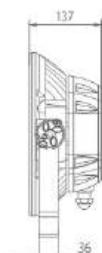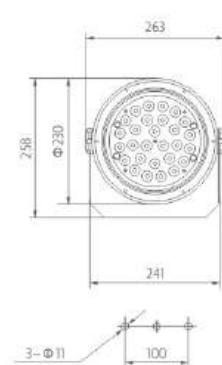
Cable entries
1×M20×1.5 cable gland (DQM-I Ex e)
(M25×1.5 is optional for 160W, 200W, 240W, 300W)
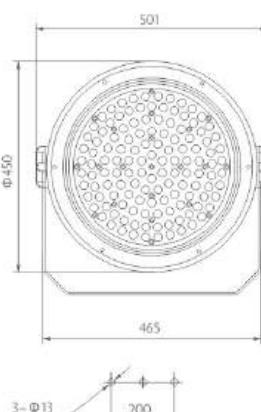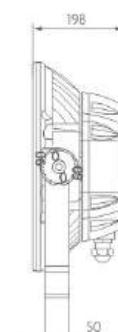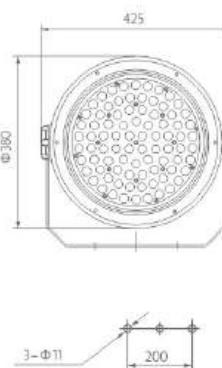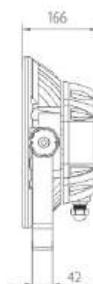
Optical lenses ensure even distribution of light flux.

The professionally designed positioning adjuster allows for precise beam angle adjustment.

Unique heat dissipation design ensures long service life of the lamp.

## Light distribution curve

PRODUCT SELECTION

Rated power	Luminous flux	Lamp specification	Rated voltage	Ex-mark	Degree of protection
40W	4800lm	SMD LED	100-277V AC 50/60Hz, 130~250V DC	Ex ec mb IIC T6/T5Gc Ex tb IIIC T80℃/T95℃ Db Ⓔx II 3 G Ex ec mb IIC T6/T5Gc Ⓔx II 2 D Ex tb IIIC T80℃/T95℃ Db	IP66
60W	7200lm				
80W	9900lm				
120W	15000lm				
160W	19800lm				
200W	22450lm				
240W	28300lm				
300W	37200lm				

DIMENSION DRAWINGS

HRND95-40
HRND95-60

HRND95-80
HRND95-120

HRND95-160
HRND95-200

HRND95-240
HRND95-300

ACCESSORIES

Picture	Name	Ordering code	Weight (kg)
	40W/60W Reflector	95001	0.23
	80W/120W Reflector	95002	0.39
	160W/200W Reflector	95003	0.45
	240W/300W Reflector	95004	0.69

HRNT95 Series

Explosion-proof LED Floodlights

Applicable area
Zones 1 & 2; 21 & 22

Explosion-proof certificate
IECEx: applied for
ATEX: applied for

Enclosure
Copper-free Aluminium Alloy, powder coated surface.

Glass cover
Toughened glass, stands 4J impact

LED driver
Wide voltage input, CC-CV (constant current - constant voltage) output, power factor≥0.95, with function of distributed current, constant current, surge-proof and anti-electromagnetic interference, and protection against overcurrent, open circuit, and short circuit.

Exposed fastener
Stainless steel

Ambient temperature
-40℃-+40℃/+55℃ (-60℃ is optional)

Terminal
$3 \times 1.5 \sim 4mm^2$ (L+N+PE)

Cable entries
1×M20×1.5 cable gland (DQM-I Ex e)
(M25×1.5 is optional)

Optical lenses ensure even distribution of light flux.

The professionally designed positioning adjuster allows for precise beam angle adjustment.

Unique heat dissipation design ensures long service life of the lamp.

Light distribution curve

PRODUCT SELECTION

Rated power	Luminous flux	Lamp specification	Rated voltage	Ex-mark	Degree of protection
80W	11200lm				
120W	16800lm			Ex ec mc IIC T6/T5 Gc	
150W	21000lm	SMD LED	100-277V AC 50/60Hz. 130-250V DC	Ex tb IIIC T80℃/T95℃ Db	IP66
200W	28000lm			⟨Ex⟩ II 3 G Ex ec mc IIC T6/T5 Gc	
240W	33600lm			⟨Ex⟩ II 2 D Ex tb IIIC T80℃/T90℃ Db	
300W	42000lm				

DIMENSION DRAWINGS

296
396
95
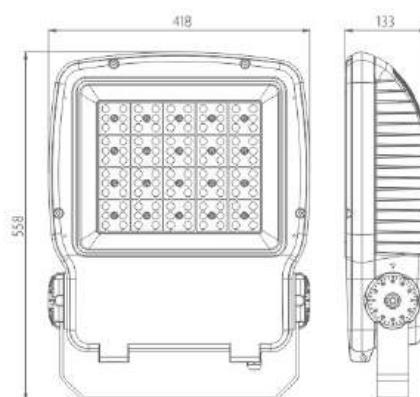
HRNT95-80
HRNT95-120

348
466
112
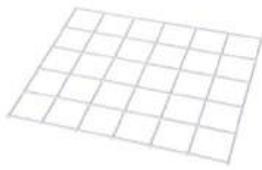
HRNT95-150
HRNT95-200
HRNT95-240

418
558
133

HRNT95-300

ACCESSORIES

Picture	Name	Ordering code	Weight (kg)
	80W/120W Wire guard	95008	0.30
	150W/200W/240W Wire guard	95009	0.40
	300W Wire guard	95010	0.55

HRT97 Series

Explosion-proof LED Floodlights

Applicable area
Zones 2; 21 & 22

Explosion-proof certificate
IECEx: applied for
ATEX: applied for

Enclosure
Copper-free Aluminium Alloy,
powder coated surface.

Transparent cover
Polycarbonate, high light transmission, stands 4J impact

LED driver
Wide voltage input, CC-CV (constant current - constant voltage) output, power factor≥0.95, with function of distributed current, constant current, surge-proof and anti-electromagnetic interference, and protection against overcurrent, open circuit, and short circuit.

Exposed fastener
Stainless steel

Ambient temperature
-60℃~+40℃/+60℃

Terminal
3×1.5~6mm² (L+N+PE)

Cable entries
M20×1.5 (M25×1.5 is optional)

Available cable outer diameter
Φ5~Φ10 (mm)

Optical lenses ensure even distribution of light flux.

The professionally designed positioning adjuster allows for precise beam angle adjustment.
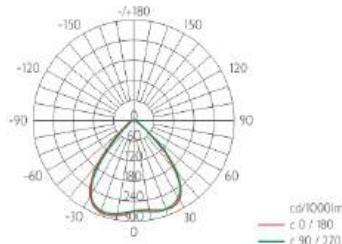
Unique module design of heat dissipation ensures long service life of the lamp.

Light distribution curve
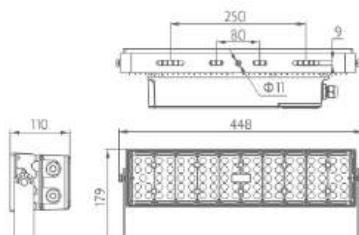
PRODUCT SELECTION
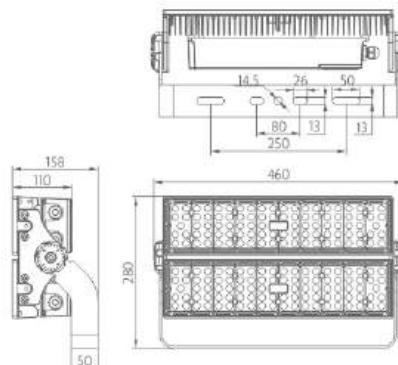
Rated power	Luminous flux	Lamp specification	Rated voltage	Ex-mark	Degree of protection
200W	29000lm	SMD LED	100~277V AC 50/60Hz 130~250V DC	Ex ec mb IIC T5/T4 Gc Ex tb IIIC T95℃/T130℃ Db ⟨Ex⟩ II 3 G Ex ec mb IIC T5/T4 Gc ⟨Ex⟩ II 2 D Ex tb IIIC T95℃/T130℃ Db	IP66
400W	58000lm				
600W	88000lm				
800W	112000lm				
1000W	145000lm				

DIMENSION DRAWINGS
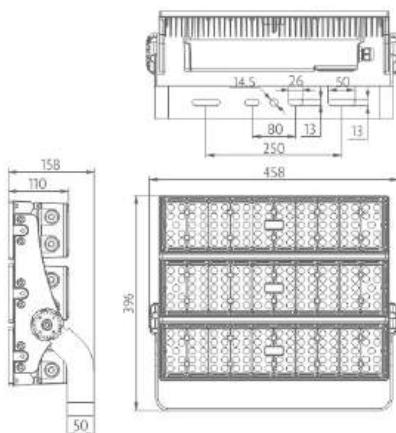
Note: the lamp comes with an installation bracket made of carbon steel, which is coated with plastic powder.
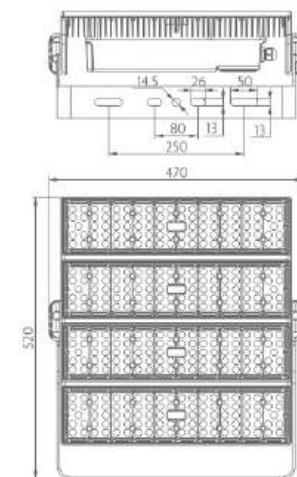
HRT97-200
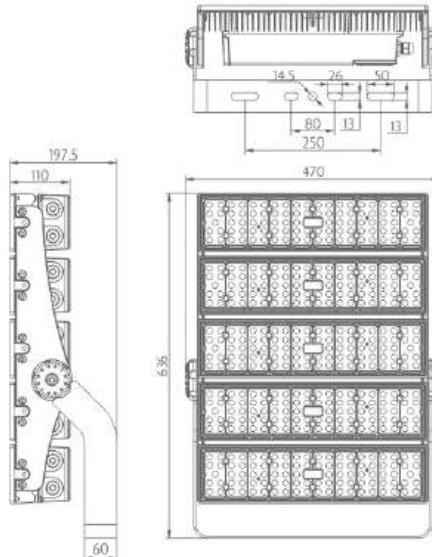
HRT97-400

HRT97-600

HRT97-800

HRT97-1000

BBJ86 Series

Explosion-proof Audio and Visual Caution Spotlight Fittings

Applicable area
Zones 1 & 2; 21 & 22

Explosion-proof certificate
IECEx: applied for
ATEX: applied for

Enclosure
Copper-free Aluminium Alloy, powder coated surface, yellow (RAL1021)

Transparent cover
Toughened glass, stands 4J impact

Exposed fastener
Stainless steel

Ambient temperature
-40℃~+60℃ (-60℃ is optional)

Terminal
6×1.5~4mm² (L+N+PE)

Cable entries
2×M25×1.5 plugs

Lamp colour
Sound intensity: 110-120dB (R=1m)

Available in three configurations: sound and light, light only, or sound only, to cater to different scenarios.

The alarm equipped with a speaker for loud sound output.

Comes with an external wiring cavity for easy installation and maintenance.
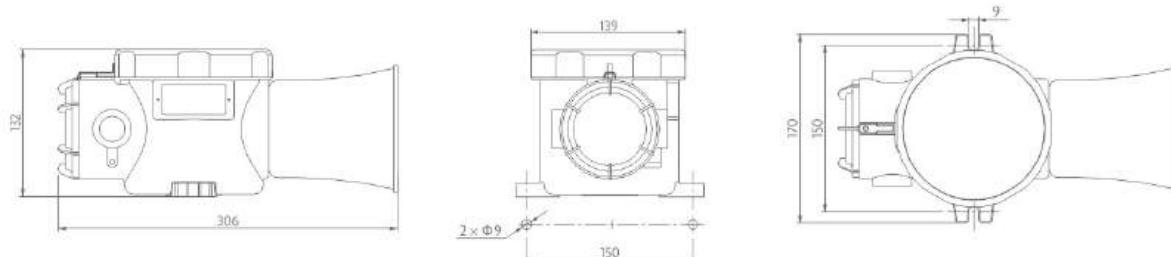
PRODUCT SELECTION

Type	Function	Rated power	Lamp specification	Rated voltage	Ex-mark	Degree of protection
BBJ86-01☐	Sound and Light	45W	LED	100-277V AC 50/60Hz 130-250V DC 12-48V AC/DC	Ex db IIC T6 Gb Ex tb IIIC T80℃ Db ⟨Ex⟩ II 2 G Ex db IIC T6 Gb ⟨Ex⟩ II 2 D Ex tb IIIC T80℃ Db	IP66
BBJ86-02☐	Sound only	35W				
BBJ86-03☐	Light only	10W				
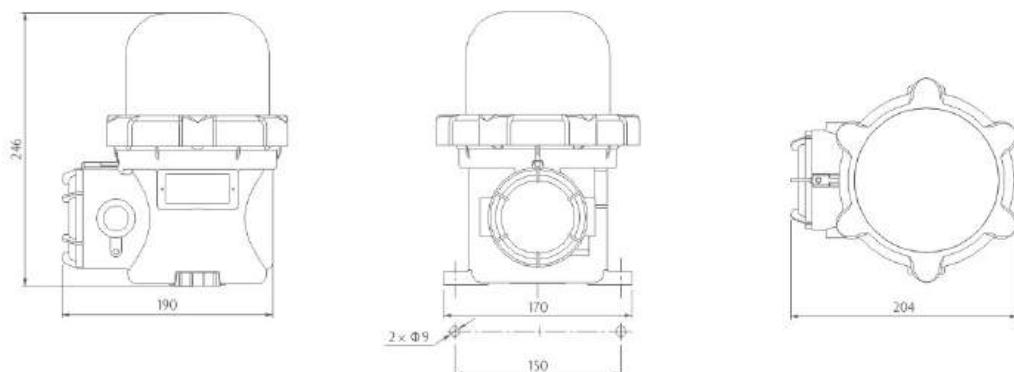
BBJ86-01☐ Sound and Light

BBJ86-02☐ Sound only

BBJ86-03☐ Light only

BAYD85 Series

Explosion-proof Emergency Exit Light Fixtures

Applicable area
Zones 1 & 2; 21 & 22

Explosion-proof certificate
IECEx: IECEx CQM 16.0032X
ATEX: TUV CY 22 ATEX 0206697 X

Ex-mark
Ex db IIB T6 Gb
Ex db IIC T6 Gb
Ex tb IIIC T80℃ Db
Ⓔ II 2 G Ex db IIB T6 Gb
Ⓔ II 2 G Ex db IIC T6 Gb
Ⓔ II 2 D Ex tb IIIC T80℃ Gb

Enclosure
Copper-free Aluminium Alloy, powder coated surface,
yellow (RAL1021)

Glass cover
Toughened glass, stands 4J impact

Exposed fastener
Stainless steel

Ambient temperature
-40℃~+58℃/+60℃ (-60℃ is optional)

Emergency time
180min

Terminal
3×1.5~2.5mm² (L+N+PE)

Cable entries
2×M25×1.5 plugs

Installation type
G: pendant pole type, X: ceiling type, B: wall type

8w high-power design with clear panel markings.

Equipped with test button and sleep button for easy inspection and maintenance.
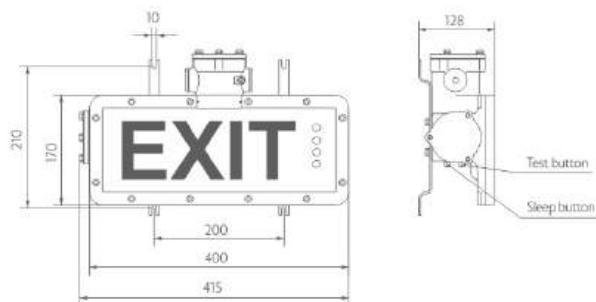
Status indicator for clear working status of the lamp.
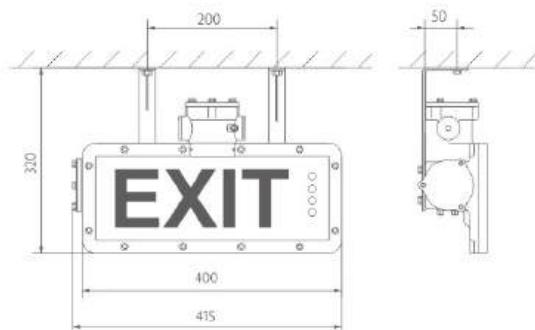
PRODUCT SELECTION

Rated voltage	Ex db IIB T6 Gb	Ex db IIC T6 Gb	Ex tb IIIC T80℃ Db	Input power(W)	Degree of protection
100-300V AC 50/60Hz 100-250V DC	-60℃~+58℃	-40℃~+58℃	-60℃~+58℃	8	
12-48V AC/DC	-60℃~+60℃	-40℃~+60℃	-60℃~+60℃	8	IP66
100-300V AC 50/60Hz 100-250V DC 12-48V	-60℃~+60℃	-40℃~+60℃	-60℃~+60℃	4	
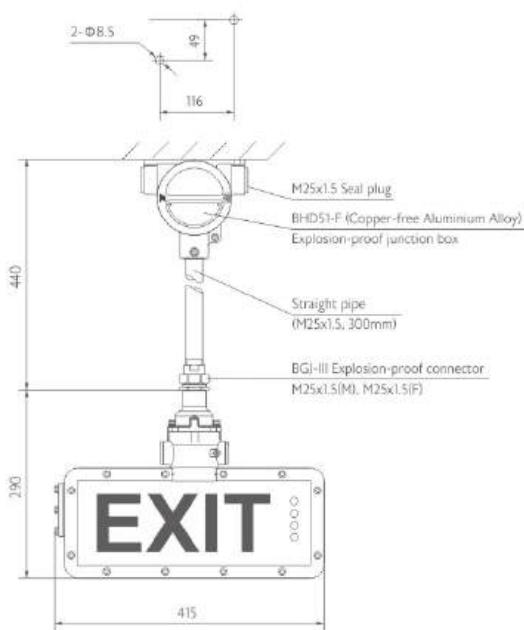
DIMENSION DRAWINGS

BAYD85-B

BAYD85-X

BAYD85-G

BXJ91 Series

Explosion-proof High-Voltage Junction Box

Applicable area
Zones 1 & 2; 21 & 22

Explosion-proof certificate
IECEx: IECEx CQM 24.0021X
ATEX: applied for

Enclosure material
Stainless steel or carbon steel

Exposed fastener
Stainless steel

Internal & external earthing
M8/M8

Ambient temperature
-60℃~+40℃/+60℃
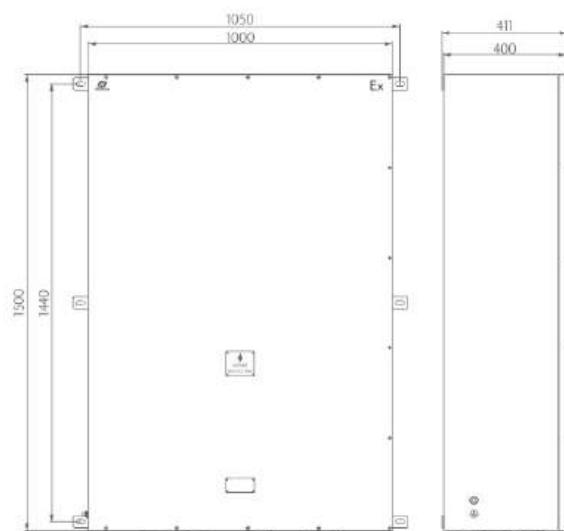
Installation
Vertical type / Pendant type

PRODUCT SELECTION
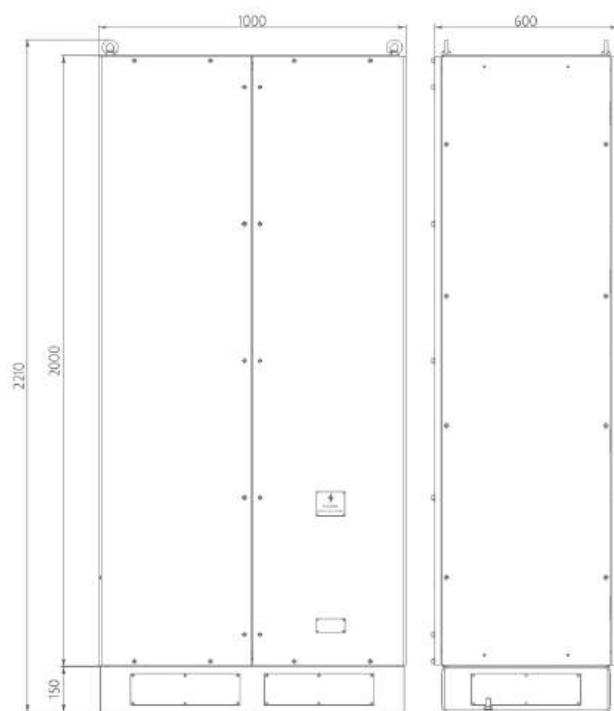
Rated current	Rated voltage	Ex-mark	Degree of protection
Max.800A	Max.11kV AC(eb) Max.15kV AC(ec)	Ex eb IIC T6...T4 Gb Ex ec IIC T6...T4 Gc Ex tb IIIC T80℃ Db ⟨Ex⟩ II 2 G Ex eb IIC T6...T4 Gb ⟨Ex⟩ II 3 G Ex ec IIC T6...T4 Gc ⟨Ex⟩ II 2 D Ex tb IIIC T80℃ Db	IP66

Conductor (mm²)	Safe carrying capacity (A)	Temp. Class	
		-60℃≤Ta≤+40℃	-60℃≤Ta≤+60℃
70	200	T6	T5
95	250	T6	T5
120	320	T6	T5
150	350	T6	T5
185	400	T6	T5
240	500	T5	T4
300	630	T5	T4
400	800	T5	T4

BXJ91-I/□/□

BXJ91-II/□/□

BXJ92 Series

Explosion-proof High-Voltage Junction Box
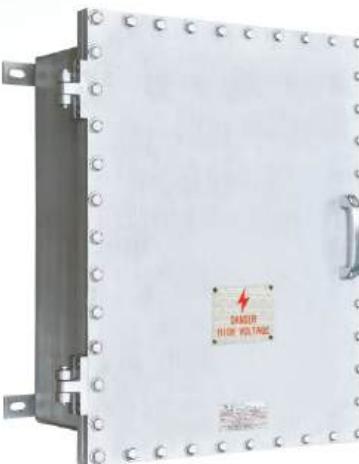
Applicable area
Zones 1 & 2; 21 & 22

Explosion-proof certificate
IECEx: IECEx PCET 24.0011X
ATEX: applied for

Enclosure material
Stainless steel or carbon steel

Internal & external earthing
M8/M12

Ambient temperature
-60℃~+60℃

Exposed fastener
Stainless steel

Installation
A: Vertical type. B: Pendant type
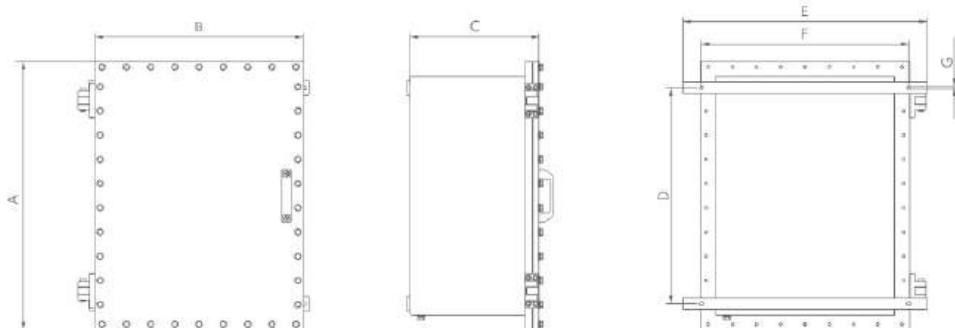
PRODUCT SELECTION

Type	Rated current	Rated voltage	Ex-mark	Degree of protection
BXJ92-I	Max. 400A	Max. 24kV AC	Ex db IIB T6...T5 Gb Ex tb IIIC T80℃...T95℃ Db ⟨Ex⟩ II 2 G Ex db IIB T6...T5 Gb ⟨Ex⟩ II 2 D Ex tb IIIC T80℃...T95℃ Db	IP66
BXJ92-II	Max. 800A	Max. 35kV AC		
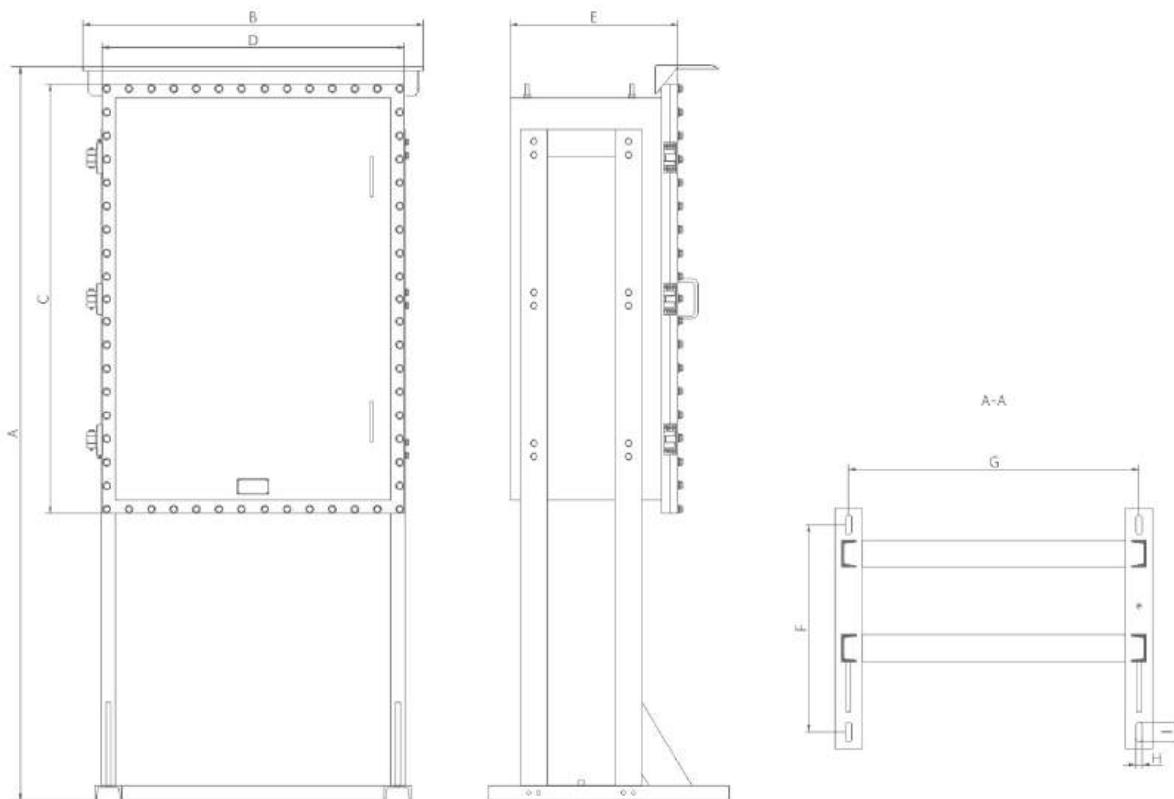
FORM OF MAXIMUM POWER DISSIPATION AND TEMPERATURE RISE

Ta=60℃	T5/T95℃	T6/T80℃
Type	Power consumption (W)	Power consumption (W)
BXJ92-I	371	180
BXJ92-II	575	279

DIMENSION DRAWINGS

Version	External dimension			Mounting dimension			
	A	B	C	D	E	F	G
BXJ92-IA/□/□	980	720	425	600	800	720	12
BXJ92-IIA/□/□	1280	900	500	1030	1060	900	12

Version	External dimension					Mounting dimension			
	A	B	C	D	E	F	G	H	I
BXJ92-IB/□/□	1945	840	980	720	425	550	686	60	20
BXJ92-IIB/□/□	2195	1015	1280	900	500	617	866	60	20

HRMD95 Series

Explosion-proof Distribution Panels

Applicable area
Zones 1 & 2; 21 & 22

Explosion-proof certificate
IECEx: applied for
ATEX: applied for

Enclosure material
Copper-free Aluminium Alloy, powder coated surface, window grey (RAL7040)

Built-in components
Ammeters voltmeters, power meters, tachometers temperature control meters and other meters, control switches, disconnecting switches, Moulded Case Circuit Breakers (MCCB), Miniature Circuit Breakers(MCB), AC contactors, thermal relays, intermediate relays, time relays, control transformers, DC power supplies, current transformers, surge protectors, PLCs, fuses, soft starters, frequency converters, terminals, bus bars, resistors, light-operated switches, time controllers, optical fiber control boxes, magnet valves, analytical instruments, heaters, self-regulation trace heating cables, display screens, magnetic ballasts of HID light sources, electronic ballasts of fluorescent lamps, drivers of LED light sources, emergency devices of HID light sources, emergency devices of fluorescent lamps, emergency devices of LED light sources, safety barriers, integrated protectors of motors, lighting building controllers, lighting energy saving controllers, fire monitoring controllers, temperature controllers, humidity controllers, current monitors, voltage monitors, motor protection switches, dual power transfer switches, counters, timers, solid state relays, diode modules, industrial personal computers, UPS, batteries.

Entry direction
Bottom

Exposed fastener
Stainless steel

Internal & external earthing
M8/M8

Ambient temperature
-60℃~+60℃

The large space of the enclosure makes it easy for wire assembling.

Adopting high-precision machining, excellent explosion-proof performance.

Professionally designed door handles, reliable and safe when opening the door.

Professionally designed hinges, reliable and safe when opening the door.
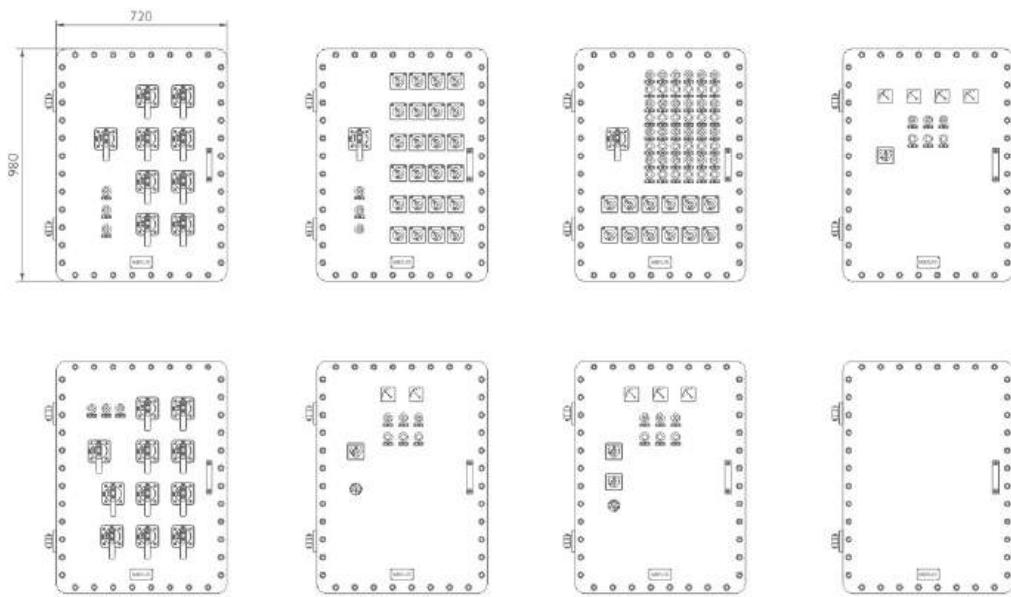
Cable entries
Standard M□ x 1.5 plug (the size of entry hole should be processed in accordance with actual requirements), NPT □ plug on request.
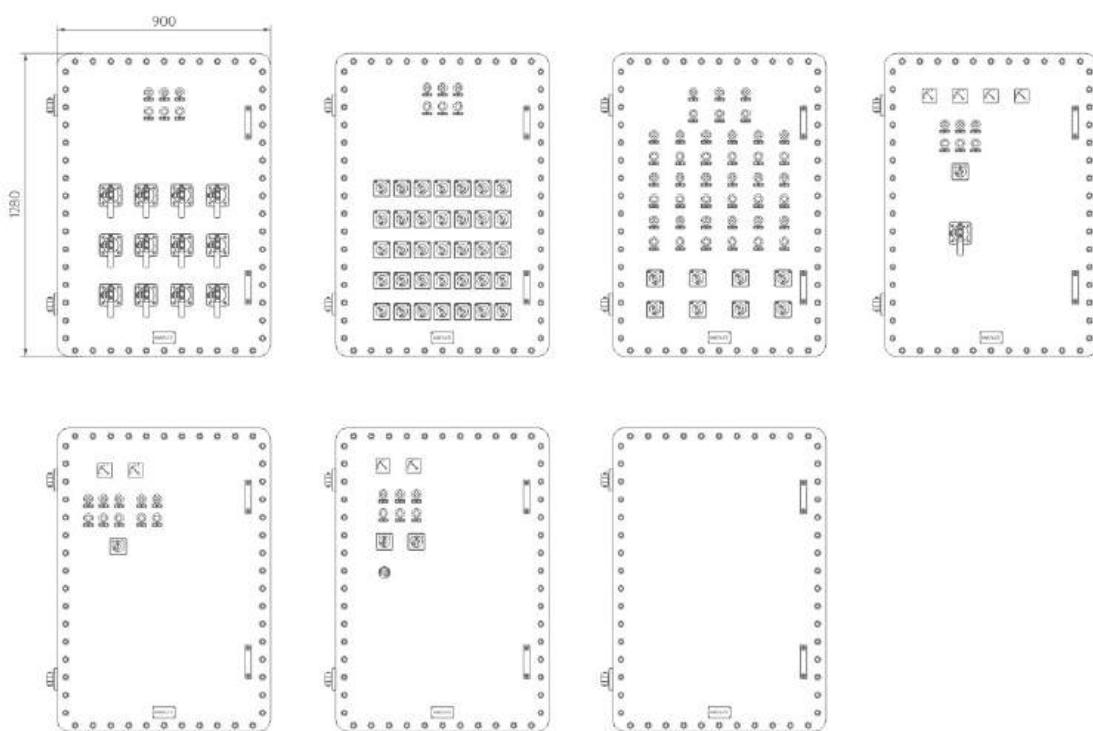
Mounting
Surface type (standard)
Free-standing type (optional)

PRODUCT SELECTION

Rated current	Rated voltage	Ex-mark	Degree of protection
Max. 1200A	Max. 1000V AC 50/60Hz Max. 1500V DC	Ex db IIB+H_2 T$\square^{II}$ Gb Ex db [ib] IIB+H_2 T$\square^{II}$ Gb Ex tb IIIC T$\square^{D}$ Db IP66 ⟨Ex⟩ II 2 G Ex db IIB+H_2 T$\square^{II}$ Gb ⟨Ex⟩ II 2 G Ex db [ib] IIB+H_2 T$\square^{II}$ Gb ⟨Ex⟩ II 2 D Ex tb IIIC T$\square^{II}$ Db IP66	IP66

TYPICAL SCHEME DIAGRAM

HRMD95-VIIIB(720×980×425)

HRMD95-IXB(900×1280×500)

BX-e Series

Empty Enclosure (Ex eb IIC)

Explosion-proof certificate
IECEx: IECEx CQM 24.0010U
ATEX: applied for

Enclosure material
Stainless steel or carbon steel

Service temperature
-60℃~+110℃

Exposed fastener
Stainless steel

Cable entries
Cable entries can be drilled and components can be installed
by user on request.

Internal & external earthing
M6/M8/M10

Installation type
II. carbon steel. III. stainless steel
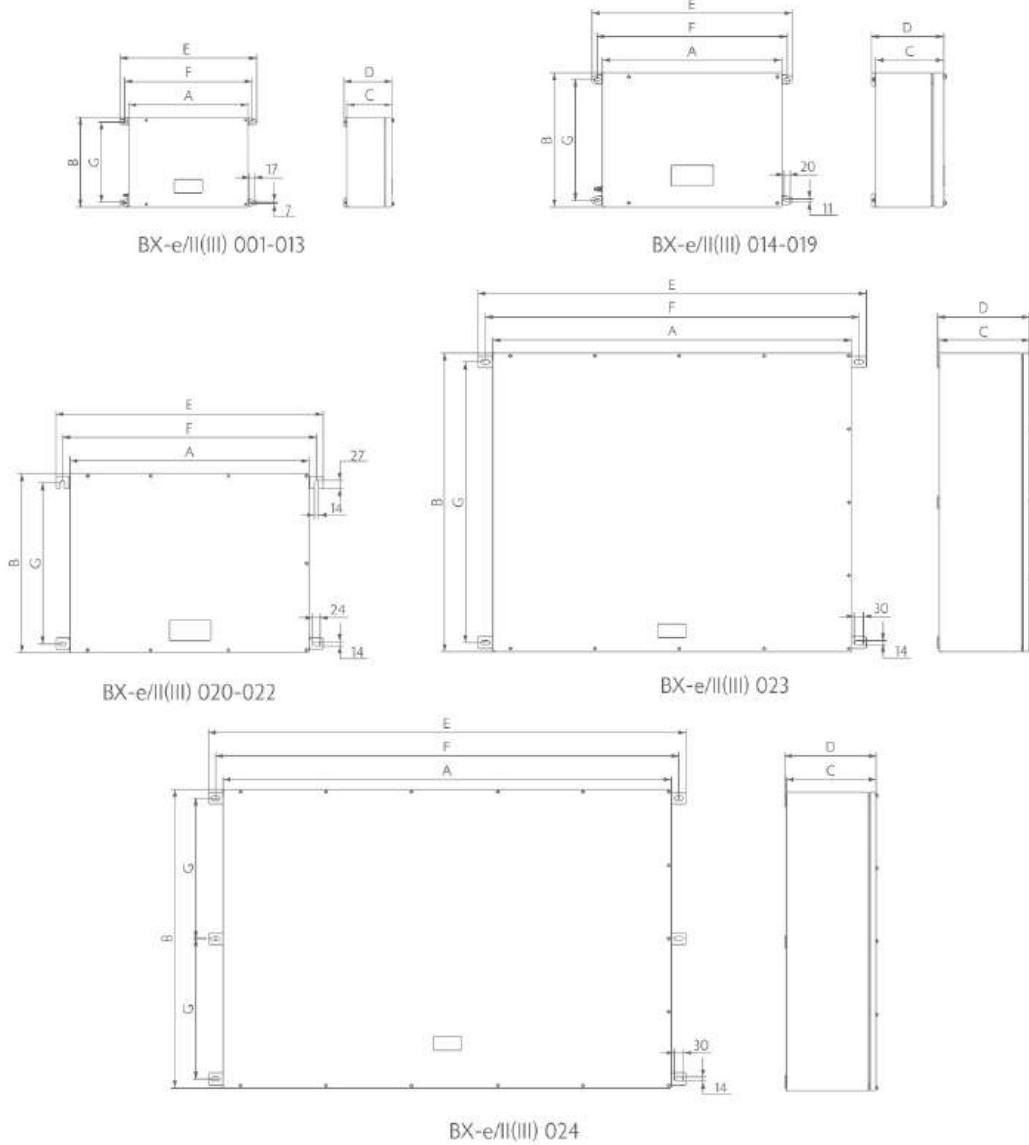
Mounting
Surface type, free-standing type

PRODUCT SELECTION

Ex-mark	Degree of protection
Ex eb IIC Gb Ex tb IIIC Db ⟨Ex⟩ II 2 G Ex eb IIC Gb ⟨Ex⟩ II 2 D Ex tb IIIC Db	IP66

DIMENSION DRAWINGS
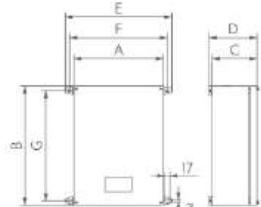
Surface type

BX-e/II(III) 001-013

BX-e/II(III) 014-019

BX-e/II(III) 020-022

BX-e/II(III) 023

BX-e/II(III) 024

| Model specifications	External dimensions	D	E	Installation dimensions	Model specifications	External dimensions	D	E	Installation dimensions
	A×B×C			F×G		A×B×C			F×G
BX-e/II(III) 001	170×150×110	120	228	198×120	BX-e/II(III) 013	360×360×165	175	418	388×330
BX-e/II(III) 002	220×180×110	120	278	248×150	BX-e/II(III) 014	500×400×200	210	570	536×366
BX-e/II(III) 003	300×200×110	120	358	328×170	BX-e/II(III) 015	500×400×300	310	570	436×466
BX-e/II(III) 004	300×200×125	135	358	328×170	BX-e/II(III) 016	480×480×150	160	550	516×446
BX-e/II(III) 005	360×220×125	135	418	388×190	BX-e/II(III) 017	480×480×250	260	550	516×446
BX-e/II(III) 006	360×220×165	175	418	388×190	BX-e/II(III) 018	600×500×200	210	670	636×466
BX-e/II(III) 007	250×250×150	160	308	278×220	BX-e/II(III) 019	600×500×300	310	670	636×466
BX-e/II(III) 008	300×300×150	160	358	328×270	BX-e/II(III) 020	800×600×200	218	894	850×540
BX-e/II(III) 009	300×300×200	210	358	328×270	BX-e/II(III) 021	800×600×300	318	894	850×640
BX-e/II(III) 010	300×400×150	160	358	328×370	BX-e/II(III) 022	1000×800×300	318	1094	1050×740
BX-e/II(III) 011	300×400×200	210	358	328×370	BX-e/II(III) 023	1200×1000×300	306	1300	1250×940
BX-e/II(III) 012	360×360×125	135	418	388×330	BX-e/II(III) 024	1500×1000×400	406	1600	1550×(470+470)
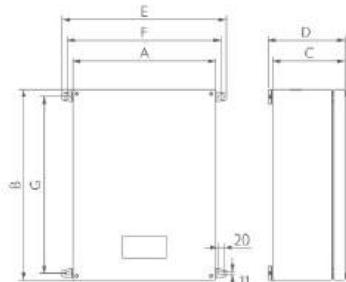
# BX-e Series Empty Enclosure (Ex eb IIC)

## DIMENSION DRAWINGS
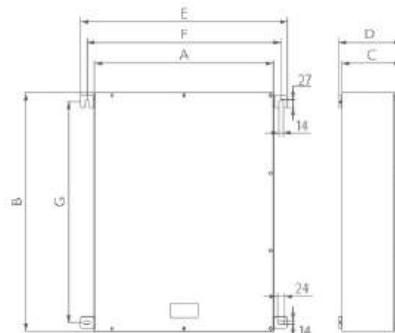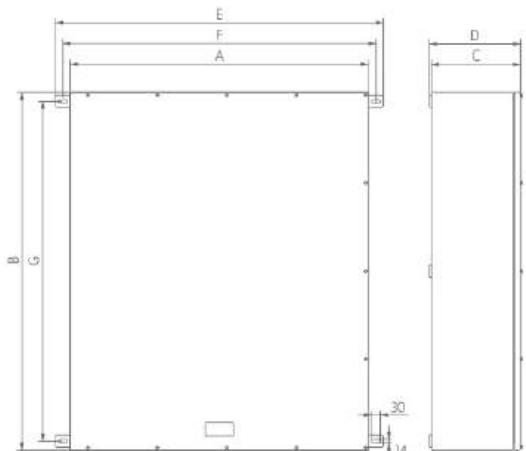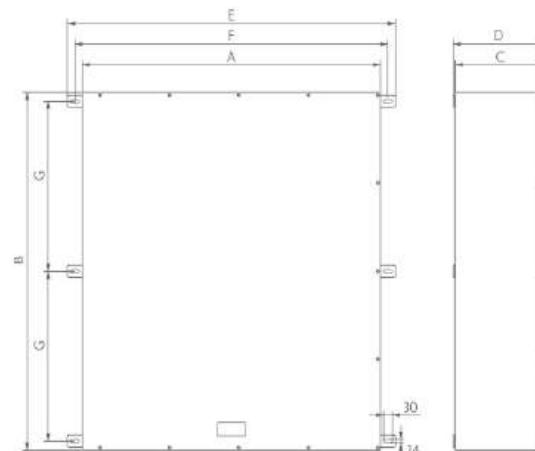
Surface type

BX-e/II(III) 001-013

BX-e/II(III) 014-019

BX-e/II(III) 020-022
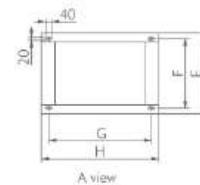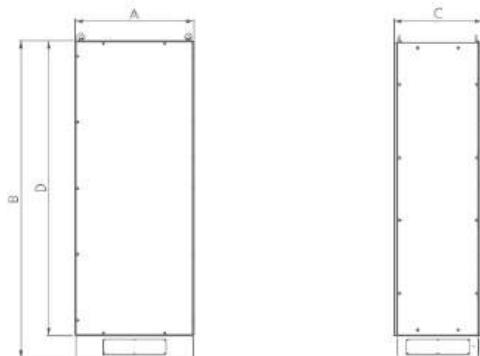
BX-e/II(III) 023

BX-e/II(III) 024

Model specifications	External dimensions A×B×C	D	E	Installation dimensions F×G	Model specifications	External dimensions A×B×C	D	E	Installation dimensions F×G
BX-e/II(III) 001	150×170×110	120	208	178×140	BX-e/II(III) 013	360×360×165	175	418	388×330
BX-e/II(III) 002	180×220×110	120	238	208×190	BX-e/II(III) 014	400×500×200	210	470	436×466
BX-e/II(III) 003	200×300×110	120	258	228×270	BX-e/II(III) 015	400×500×300	310	470	436×466
BX-e/II(III) 004	200×300×125	135	258	228×270	BX-e/II(III) 016	480×480×150	160	550	516×446
BX-e/II(III) 005	220×360×125	135	278	248×330	BX-e/II(III) 017	480×480×250	260	550	516×446
BX-e/II(III) 006	220×360×165	175	278	248×330	BX-e/II(III) 018	500×600×200	210	570	536×566
BX-e/II(III) 007	250×250×150	160	308	278×220	BX-e/II(III) 019	500×600×300	310	570	536×566
BX-e/II(III) 008	300×300×150	160	358	328×270	BX-e/II(III) 020	600×800×200	218	694	650×740
BX-e/II(III) 009	300×300×200	210	358	328×270	BX-e/II(III) 021	600×800×300	318	694	650×740
BX-e/II(III) 010	300×400×150	160	358	328×370	BX-e/II(III) 022	800×1000×300	318	894	850×940
BX-e/II(III) 011	300×400×200	210	358	328×370	BX-e/II(III) 023	1000×1200×300	306	1100	1050×1140
BX-e/II(III) 012	360×360×125	135	418	388×330	BX-e/II(III) 024	1000×1500×400	406	1100	1050×(720+720)

DIMENSION DRAWINGS
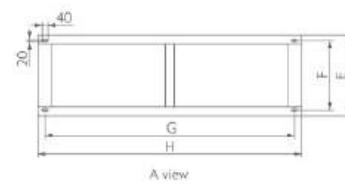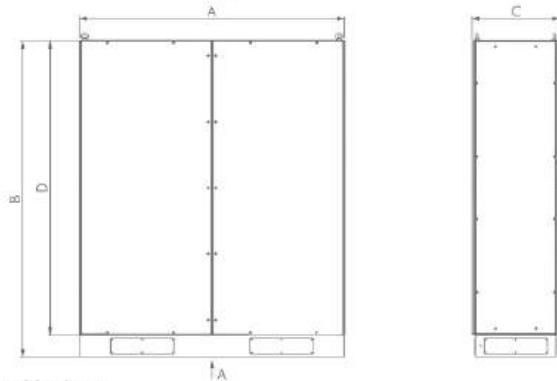
Pedestal type

1. Single door
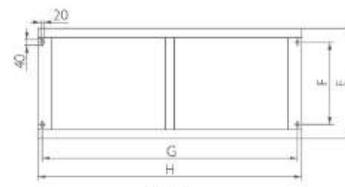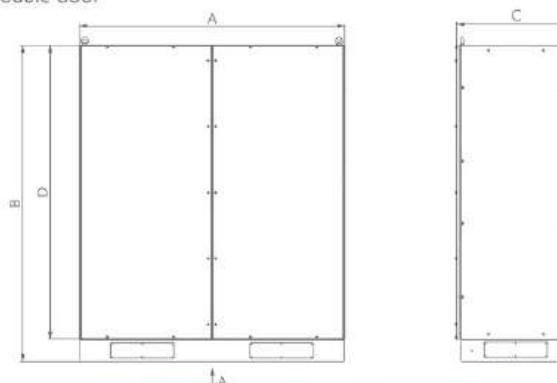
2. Double door

3. Front and rear double door

Model and Specifications	Dimensions	Base Dimensions	Base Mounting Dimensions	Cabinet Height	Note
	A×B×C	E×H	G×F	D	
BX-e/II(III) 025	600×1800×400	600×350	500×274	2010	Single door
BX-e/II(III) 026	800×1800×400	800×350	700×274	2010	
BX-e/II(III) 027	800×2000×400	800×350	700×274	2210	
BX-e/II(III) 028	800×2000×600	800×550	700×474	2210	
BX-e/II(III) 029	1000×2000×600	1000×550	920×474	2210	Double door
BX-e/II(III) 030	1000×1800×400	1000×350	900×274	2010	
BX-e/II(III) 031	1200×1800×400	1200×350	1100×274	2010	
BX-e/II(III) 032	1600×1800×400	1600×350	1500×274	2010	
BX-e/II(III) 033	1200×2000×400	1200×350	1100×274	2210	
BX-e/II(III) 034	1200×2000×600	1200×550	1100×474	2210	
BX-e/II(III) 035	1800×2000×600	1800×550	1700×474	2210	
BX-e/II(III) 036	1200×2000×800	1200×750	1140×560	2210	Front and rear double door
BX-e/II(III) 037	1800×2000×800	1800×750	1740×560	2210	

BXT-☐-W Series

Explosion-proof Enclosures (Ex db IIB+H$_2$)

Applicable area
Zones 1 & 2; 21 & 22

Explosion-proof certificate
IECEx: applied for
ATEX: applied for

Enclosure material
Copper-free Aluminium Alloy, powder coated surface, window grey (RAL7040)

Exposed fastener
Stainless steel

Internal & external earthing
M8/M8

Service temperature
-60℃-+200℃

Professionaly designed explosion-proof large enclosure provides space for more compnents.

Adopting high-precision machining, excellent explosion-proof performance.

Professionally designed door handles, reliable and safe when opening the door.

Professionally designed hinges, reliable and safe when opening the door.
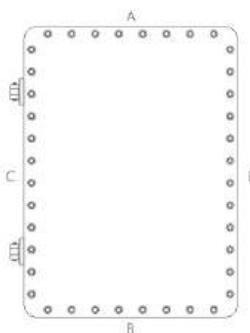
PRODUCT SELECTION

Type	Dimensions	Ex-mark	Degree of protection
BXT-VIIIB-W	980×720×425	Ex db IIB+H₂ Gb Ex tb IIIC Db IP66 ⟨Ex⟩ II 2 G Ex db IIB+H₂ Gb ⟨Ex⟩ II 2 D Ex tb IIIC Db	IP66
BXT-IXB-W	1280×900×500		

DIMENSION DRAWINGS
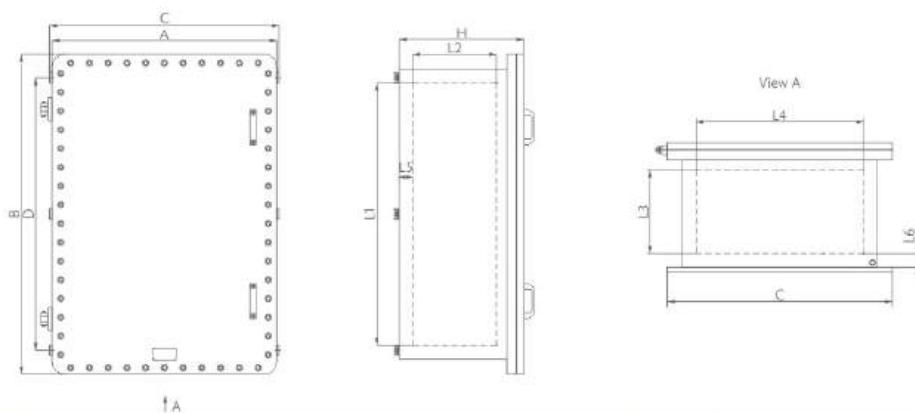
BXT-VIIIB, IXB-W
Table of max. number of possible enclosure entries

Type	A/B side		C/D side		Thread spec.
	Hole QTY	Hole distance range(mm)	Hole QTY	Hole distance range(mm)	
BXT-VIIIB-W	28	60~70	44	60~70	NPT $\frac{1}{2}$", M20×1.5, NPT $\frac{3}{4}$", M25×1.5
	18	80~90	24	80~90	NPT1", M32×1.5, NPT1 $\frac{1}{4}$", M40×1.5
	8	110~120	12	110~120	NPT1 $\frac{1}{2}$", M50×1.5, NPT2", M63×1.5
	3	230~240	4	230~240	NPT2 $\frac{1}{2}$", M75×1.5
	2	230~240	3	230~240	NPT3", M90×1.5
	2	230~240	3	230~240	NPT4", M115×1.5
BXT-IXB-W	45	60~70	70	60~70	NPT $\frac{1}{2}$", M20×1.5, NPT $\frac{3}{4}$", M25×1.5
	24	80~90	32	80~90	NPT1", M32×1.5, NPT1 $\frac{1}{4}$", M40×1.5
	15	110~120	24	110~120	NPT1 $\frac{1}{2}$", M50×1.5, NPT2", M63×1.5
	3	230~240	5	230~240	NPT2 $\frac{1}{2}$", M75×1.5
	3	230~240	4	230~240	NPT3", M90×1.5
	2	230~240	4	230~240	NPT4", M115×1.5

The profile and dimensions of the empty enclosure and the machinable range of its processing surface

Type	A (mm)	B (mm)	C (mm)	D (mm)	H (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	L5 (mm)	L6 (mm)
BXT-VIIIB-W	720	980	750	830	425	800	270	270	540	55	55
BXT-IXB-W	900	1280	900	1080	500	1050	330	330	670	55	55

BA8060 Series

Control Buttons

Applicable area
Zones 1 & 2

Explosion-proof certificate
IECEx: IECEx CQM 24.0016U
ATEX: applied for

Enclosure material
PA66

Button material
PA66

Ambient temperature
-60℃~+90℃

Contact material
Silver-plated copper

Terminal
1-2.5mm²

Spring-return control button
Spring-return control button

Mushroom stay-put emergency control button
Self-latching when pulled. self-locking

Key-operated control button
Rotate to lock; release with key, key movable in both ways

Rotary control button
Two-position switch function, key movable in 90°

Two-wire interface, can be paralleled, the maximum wire diameter is 2.5mm².

Double control button
Spring-return control button, 1 control button element has the function of 2 control buttons

Mushroom turn-to-release emergency control button
Rotary resetting control button: self-locking
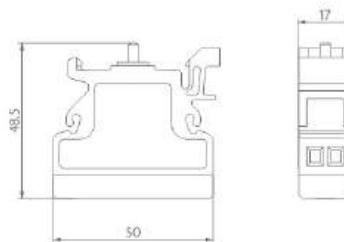
PRODUCT SELECTION
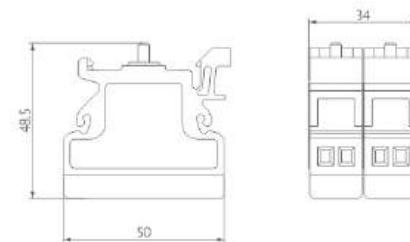
Rated parameters	Ex-mark	Mechanical life	Electrical life
U: AC 500V I:10A: AC15: Ue 480V/Ie 2.5A: Ue 240V/Ie 5A DC13: Ue 240V/Ie 0.5A: Ue 24V/Ie 5A	Ex db eb IIC Gb	10^6 times	10^6 times

DIMENSION DRAWINGS

Schematic diagram of the top-mounted button core
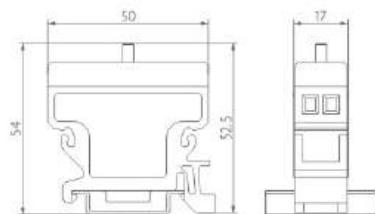
Single set of button cores
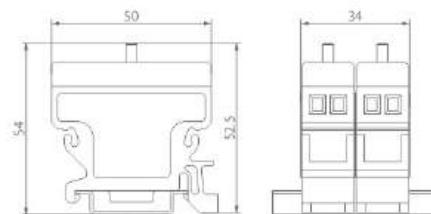
Double sets of button cores

Schematic diagram of the bottom-mounted button core
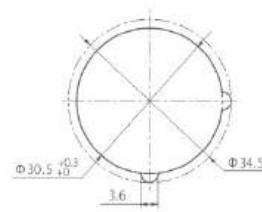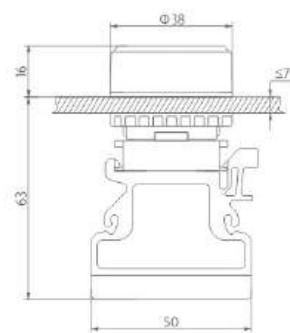
Single set of button cores

Double sets of button cores

Schematic diagram of the top-mounted combination

Shell cover opening size

BD8060 Series

Indicators

Applicable area
Zones 1 & 2

Explosion-proof certificate
IECEx: IECEx CQM 24.0019U
ATEX: applied for

Enclosure material
PA66

Indicators cover material
PC

Ambient temperature
−60℃~+90℃

Rated current
Max.15mA

Frequency
0Hz...60Hz

Rated output wattage
Max.3W

Service life
10^5 hours

Terminal
1~2.5mm²

Two-wire interface, can be paralleled, the maximum wire diameter is 2.5mm².

High power, high brightness, even and harmonious.

PRODUCT SELECTION

Rated voltage	Ex-mark	Colour
AC/DC12V~36V, AC/DC48V~125V, DC220V-250V, AC220V-440V	Ex db eb IIC Gb	Red, green, yellow, blue, white
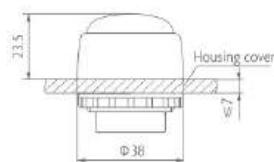
Type	

Bottom mounting

Top mounting

Example of the profile and installation dimensions

Schematic diagram of lampshade assembly

Shell cover opening size

Profile of indicator light

Diagram of top mounting

Profile of indicator light

HRS606 Series
Explosion-proof Tablet

Applicable area
Zones 1 & 2

Product overview

This product is a professional explosion-proof tablet with waterproof, compression-resistant, drop-resistant structural design, and with the built-in barometric pressure sensor, e-compass, NFC and other sensors, safety and security for work and travel is greatly increased.

Scope of application

Used in:
◇ Dangerous environments such as oil exploitation, oil refining, chemical industry, military industry, offshore oil platforms, oil tankers, etc.;
◇ Explosive atmospheres IIA, IIB, IIC, Zone 1, Zone 2 locations;
◇ Ambient temperature -40℃~+60℃;
◇ Atmospheric pressure: 80KPa-106KPa;
◇ Without significant oscillation and shock vibration;
◇ With no gases or vapors that invalidate the insulation.

Confronting Any Challenges

A variety of technical guarantees for security , to provide safe and stable communication services in dangerous environments such as flammable and explosive gases.
Easily cope with all kinds of harsh and extreme environments such as special operations, outdoor exploration, extreme sports or emergency rescue.

Indestructible Quality

In order to push the quality of products to the limit, we conduct rigorous physical tests.
Its functionality and performance have also been comprehensively evaluated.
It is able to withstand the harshest conditions and deliver reliable performance in demanding environments.

NFC Seamless Business Operations

NFC-enabled products enhance business mobility and connectivity. Verify employee IDs and scan barcodes to make your business truly mobile and linked.

PRODUCT FEATURES

4G, WiFi Connection

Original Android 13

Dual SIM Standby, Long Standby Time

Large Screen, 11 inch FHD+in cell

High Capacity Lithium-Polymer Battery

Global POC public network intercom

Precise positioning with GPS+Glonass+ BDS+Galileo

IP68 High Level Waterproof, Shockproof, Dustproof

MAIN TECHNICAL SPECIFICATIONS

Ex-mark	Ex ib IIC T4 Gb
Processor	8 x MT8781 2.2GHz
Operating system	Android 13
Cellular models	GSM/WCDMA/CDMA/TDD-LTE/FDD-LTE
Frequency bands	GSM：B2/3/5/8 WCDMA：B1/2/4/5/6/8/19 CDMA：BC0/BC1/BC10 FDD-LTE：B1/2/3/4/5/7/8/12/13/17/18/19/20/25/26/28A/28B/66 TDD-LTE：B34/38/39/40/41
SIM card	SIM card, Nano SIM card, T card: hot-pluggable, dual standby
Display	11 inch FHD with IPS 1200*2000
Camera	Front camera 1600W pixels, rear camera 4800W pixels with one flashing light
Face ID	Provided
RAM+Data memory	8GB+256GB; TF could be extended to 256GB(Max. 2 TB)
Battery	Lithium-polymer battery (4.4V high voltage cell)
Dimensions	277.8×178×14mm
Weight	1008g
Color	Black+yellow
Degree of protection	IP68
Touchscreen	Capacitive 10 points touch screen, can be operated with gloves and stylus
Speakers	1326 dual box speakers
Microphone	Silicon microphone
Charging	Type-C USB 2.0
Bluetooth	BT 5.2
WLAN	WIFI(2.4G/5G)/WIFI 6
GPS sensor	GPS+GLONASS+BDS+Galileo
Sensor	Light sensor, acceleration sensor, gravity sensor, gyroscope, geomagnetic sensor, barometric pressure sensor, electricity meter, pedometer
Touch ID	Provided
OTG connect	Provided
FM transmission	Provided
POC cellular	Global POC public network intercom. Fast and convenient communication in distance (single call, group call, broadcast, one call and multiple responses) POC public network intercom, preset POC key for public network intercom

HRSP Series
Retractable Pole With Ex LED Lighting

Applications
For light fittings which Installed on industrial walkways, platforms, stairways.
Hazardous and harsh environments subject to corrosive agents, vibration and extreme temperatures.
Widely used in oil & gas, chemical, wharf, food, pharmacy, military, and other factories/warehouse.

Product specifications
Retractable type
Sealed and pre-wired at factory
Install height: Adjustable

Standard materials
Carbon steel - ISO Fe360D
Hot dip galvanized - BS EN ISO 1461
Stainless steel - 316 or 304 grade

Hardware
U-bolt stainless steel(optional)

Material
Q-Galvanized steel, G-Stainless steel

Service conditions
Wind rated up to 45m/s(continue 3s)
Relative humidity: 95%
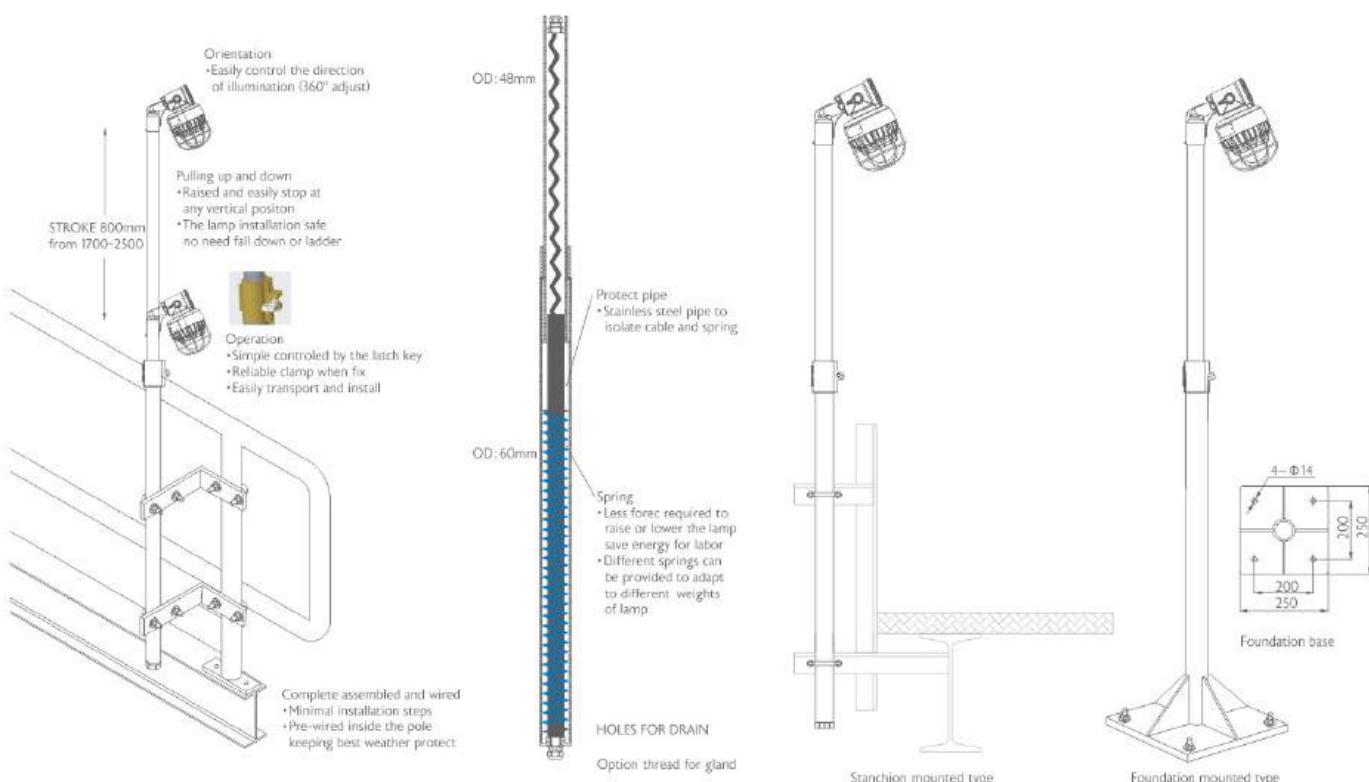
Mounting
H: Handrail stanchion, B: Base type

INSTALLATION TYPE

STROKE 800mm from 1700-2500

Orientation
• Easily control the direction of illumination (360° adjust)

Pulling up and down
• Raised and easily stop at any vertical positon
• The lamp installation safe no need fall down or ladder

Operation
• Simple controled by the latch key
• Reliable clamp when fix
• Easily transport and install

Complete assembled and wired
• Minimal installation steps
• Pre-wired inside the pole keeping best weather protect

OD: 48mm

Protect pipe
• Stainless steel pipe to isolate cable and spring

OD: 60mm

Spring
• Less forec required to raise or lower the lamp save energy for labor
• Different springs can be provided to adapt to different weights of lamp

HOLES FOR DRAIN

Option thread for gland

Stanchion mounted type

Foundation mounted type

4—Φ14
200
250
200
250

Foundation base

INSTALLATION

Step 1: Check the appearance of the pole, lock the latch key. Check the reserved cable length is sufficient for wiring.

Step 2: Check key parameters listed on the nameplate of the lighting are applicable in the field environment.

Step 3: Remove the cover of lighting.
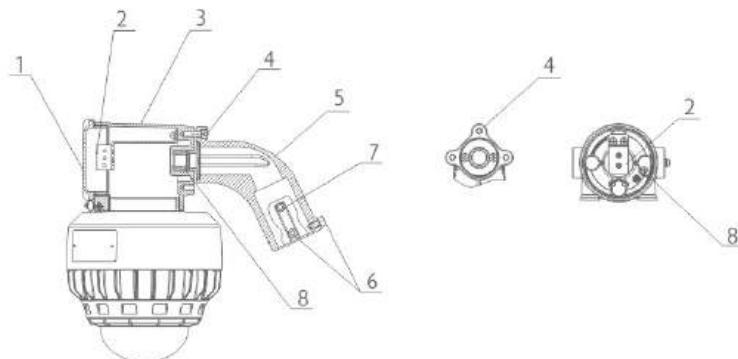
Step 4: Thread the cable through elbow & the sealing ring. Connect the power cable to the internal terminals.

Step 5: Fix the elbow & lighting with three M6 bolts.

Step 6: Insert the pole to the elbow, secure them using two fastening screws.

Step 7(1): Erect the pole, fix the pole to the handrail with the U-blot.

Step 7(2): Erect the pole, fix the pole to the ground with the anchor bolt.

No.	NAME	Qty.
1	Cover with gasket	1
2	Terminals	1
3	Shell for termination	1
4	Fixing screws	3
5	Elbow for pole type connect	1
6	Fastening screws	2
7	Earth bolt	1
8	Sealing ring	1

MAINTENENCE

Step 1: Check the power supply to lighting is OFF.

Step 2: Check there is no other elements which possible interference the pole.
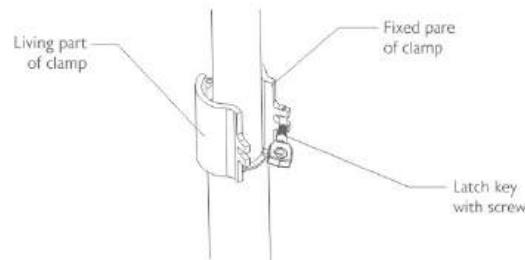
Step 3: Unscrew the captive latch key, open the living part of the clamp.

Step 4: Lower the pole to the lowest point, close the clamp and lock the key.
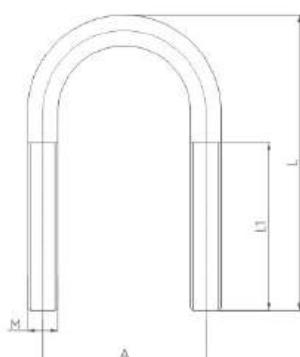
Step 5: Open the cover of lighting, check if the power cable connected normally.

Step 6: Dis-connect the power cable, release the screw from elbow, remove the lighting from pole.

Step 7: Check internal components to determine the fault point.

U-BOLT DETAILS

Size	A(mm)	R(mm)	M	L(mm)	L1(mm)	Remark
G1"(34)	38	16	M6	68	38	SS304/SS316/SS316L
G1¼"(42)	50	21	M8	80	35	SS304/SS316/SS316L
G1½"(48)	56	24	M8	90	40	SS304/SS316/SS316L
G2"(60)	68	30	M8	105	45	SS304/SS316/SS316L

Note: Other size or special requirement on request.