

# LIGHTING FIXTURES AND EQUIPMENT

## Lighting for Hazardous and Industrial Areas















## IBBC5401

- Low height region of pedestrian intensive, like offshore oil, chemical device platform, oil tankers of various channels, cabin, etc.

- EX Mark: Ex II 2G Ex db eb IIC T6 Gb
  Ex II 2D Ex tb IIIC T80℃ Db
- Cable Entry: M25×1.5, NPT3/4", G3/4" (Standard);
  M20×1.5, NPT1/2"
  (attached with adaptor)



| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Application | Size (mm) | Replaces Fluorescent lamp |
|---|---|---|---|---|---|---|---|
| IBBC5401-L2x10 | 100~240VAC | 2x10W | 2400 | 6.6 | Class I, zone1 & zone2, zone21 & zone22 | 780x180x110 | 2x20W |
| IBBC5401-L2x20 | | 2x20W | 4800 | 10.7 | | 1390x180x110 | 2x40W |
| IBBC5401-L2x25 | | 2x25W | 5100 | 10.7 | | 1390x180x110 | 2x50W |

- CCT: 5000K (3000K / 4000K optional)

## IBBC5402A

- Suitable for oil production platform, oil refining platform, living platform, hazardous chemicals ships, shore machines and other hazardous areas.

- EX Mark: Ex II 2G Ex eb mb op is IIC T6/T5/T4 Gb
  Ex II 2D Ex tb op is IIIC T80℃/ T95℃/ T130℃ Db
- Cable Entry: M20×1.5



| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Application | Size (mm) | Replaces Fluorescent lamp |
|---|---|---|---|---|---|---|---|
| IBBC5402A-L30 | 120~240VAC | 30W | 3300 | 3.2 | Class I, zone1 & zone2, zone21 & zone22 | 700x182x68 | 50~70W |
| IBBC5402A-L40 | | 40W | 4400 | 3.4 | | | 100W |
| IBBC5402A-L60 | | 60W | 6300 | 4.5 | | 1150x182x68 | 150W |
| IBBC5402A-L80 | 200~240VAC | 80W | 8400 | 4.7 | | | 175W |

- CCT: 5000K (3000K / 4000K optional)

## IBBC5402B

- Suitable for oil production platform, oil refining platform, living platform, hazardous chemicals ships, shore machines and other hazardous areas.

- EX Mark: Ex II 3G Ex nR IIC T6 Gc
  Ex II 3D Ex tc IIIC T80℃ Dc
- Cable Entry: M20×1.5



| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Application | Size (mm) | Replaces Fluorescent lamp |
|---|---|---|---|---|---|---|---|
| IBBC5402B-L20 | 100~240VAC | 20W | 2200 | 3.2 | zone2, & zone22 | 780x182x68 | 40W |
| IBBC5402B-L40 | | 40W | 4400 | 3.4 | | | 100W |
| IBBC5402B-L60 | | 60W | 6300 | 4.5 | | 1150x182x68 | 150W |
| IBBC5402B-L80 | 200~240VAC | 80W | 8400 | 4.7 | | | 175W |

- CCT: 5000K (3000K / 4000K optional)

## IBBC5404



- Suitable for explosive gas environment of raw material, like fine chemical industry, electronics microelectronics production, clean room, laboratory, operating room.
- EX Mark: Ex nR IIC T6 Gc
- Cable Entry: M25×1.5, NPT3/4", G3/4"

| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Application | Size (mm) | Replaces Fluorescent lamp |
|---|---|---|---|---|---|---|---|
| IBBC5404A-L24 | 100~240VAC | 24W | 2640 | 4.3kg (light) + 2kg (power box) | zone2 | 1200x300 | 48W |
| IBBC5404A-L36 | | 36W | 3960 | | | | 72W |
| IBBC5404A-L48 | | 48W | 5280 | | | | 96W |
| IBBC5404A-L60 | | 60W | 6600 | 4.3kg (light) + 2.9kg (power box) | | | 120W |
| IBBC5404A-L80 | | 80W | 8800 | | | | 160W |
| IBBC5404B-L24 | | 24W | 2640 | 4.3kg (light) + 2kg (power box) | | 600x600 | 48W |
| IBBC5404B-L36 | | 36W | 3960 | | | | 72W |
| IBBC5404B-L48 | | 48W | 5280 | | | | 96W |
| IBBC5404C-L12 | | 12W | 1320 | 2.3kg (light) + 2kg (power box) | | 300x600 | 24W |
| IBBC5404C-L18 | | 18W | 1980 | | | | 36W |
| IBBC5404C-L24 | | 24W | 2640 | | | | 48W |
| IBBC5404C-L36 | | 36W | 3960 | | | | 72W |
| IBBC5404C-L48 | | 48W | 5280 | | | | 96W |

- CCT: 5000K (3000K / 4000K optional)

## IBBC5405



- Suitable for explosive gas environment of raw material, like fine chemical industry, electronics microelectronics production, clean room, laboratory, operating room.
- EX Mark: Ex db mb IIC T6 G
- Cable Entry: M25×1.5, NPT3/4", G3/4"

| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Application | Size (mm) | Replaces Fluorescent lamp |
|---|---|---|---|---|---|---|---|
| IBBC5405A-L24 | 100~240VAC | 24W | 2640 | 4.3kg (light) + 2kg (power box) | Class I, zone1 & zone2 | 1200x300 | 48W |
| IBBC5405A-L36 | | 36W | 3960 | | | | 72W |
| IBBC5405A-L48 | | 48W | 5280 | | | | 96W |
| IBBC5405B-L24 | | 24W | 2640 | | | 600x600 | 48W |
| IBBC5405B-L36 | | 36W | 3960 | | | | 72W |
| IBBC5405B-L48 | | 48W | 5280 | | | | 96W |
| IBBC5405C-L12 | | 12W | 1320 | 2.3kg (light) + 2kg (power box) | | 300x600 | 24W |
| IBBC5405C-L18 | | 18W | 1980 | | | | 36W |
| IBBC5405C-L24 | | 24W | 2640 | | | | 48W |

- CCT: 5000K (3000K / 4000K optional)

## IBBC5407



- Factory, street, warehouse, workshop, etc.
- EX Mark: Ex db eb mb IIC T6 Gb
  Ex tb IIIC T80℃ Db

| Model | Rated voltage (V) | Quantity of light source | Light source wattage (W) | Output wattage (W) | Application | Length (mm) | Replaces Fluorescent lamp |
|---|---|---|---|---|---|---|---|
| IBBC5407-1xL9 | 100~240VAC | 1 | 9 | 9 | Class I, zone1 &zone2, zone21 &zone22 | 746 | 18W |
| IBBC5407-1xL13.5 | | 1 | 13.5 | 13.5 | | | 25W |
| IBBC5407-2xL9 | | 2 | 9 | 18 | | | 36W |
| IBBC5407-2xL13.5 | | 2 | 13.5 | 27 | | | 54W |
| IBBC5407-3xL9 | | 3 | 9 | 27 | | | 54W |
| IBBC5407-3xL13.5 | | 3 | 13.5 | 40.5 | | | 80W |
| IBBC5407-1xL18 | 100~240VAC | 1 | 18 | 18 | Class I, zone1 &zone2, zone21 &zone22 | 1260 | 36W |
| IBBC5407-1xL27 | | 1 | 27 | 27 | | | 54W |
| IBBC5407-2xL18 | | 2 | 18 | 36 | | | 72W |
| IBBC5407-2xL27 | | 2 | 27 | 54 | | | 108W |
| IBBC5407-3xL18 | | 3 | 18 | 54 | | | 108W |
| IBBC5407-3xL27 | | 3 | 27 | 81 | | | 150W |

- CCT: 5000K (3000K / 4000K optional)

## IBBC5409



- Grid power, power plants, oil fields, chemical industries, fire protection, railways, and military sectors, etc.
- EX Mark: Ⓔx II 2G Ex eb ib IIC T4 Gb

| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Application | Size (mm) | Replaces Fluorescent lamp |
|---|---|---|---|---|---|---|---|
| IBBC5409-L3 | 20~28VDC | 3W | 290 | 0.47 | Class I, zone1 & zone2 | Ø47x244 | 6W |
| IBBC5409-L6 | | 6W | 650 | | | | 12W |

- CCT: 5000K (3000K / 4000K optional)

## IBBC9101



- Suitable for equipment area, stacking and stockyard, like petrochemical plants, chemical plants, pharmaceutical plants, etc.
- EX Mark: Ⓔx II 2G Ex db IIB T6 Gb
  Ⓔx II 2D Ex tb IIIC T80℃ Db
- Cable Entry: G3/4"

| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Application | Size (mm) | Replaces Fluorescent lamp |
|---|---|---|---|---|---|---|---|
| IBBC9101-L25H | 100~277VAC | 25W | 2800 | 9 | Class I, zone1 & zone2, zone21 &zone22 | 326x370x88 | 70W |
| IBBC9101-L40H | | 40W | 4200 | | | | 100W |
| IBBC9101-L60H | | 60W | 5900 | | | | 150W |
| IBBC9101-L80H | | 80W | 7200 | | | | 48W |
| IBBC9101-L25L | 20~39VAC/ 20~50VDC | 25W | 2800 | 9 | | 326x370x88 | 70W |
| IBBC9101-L40L | | 40W | 4200 | | | | 100W |

- CCT: 5000K (3000K / 4000K optional)

- Suitable for equipment area, stacking and stockyard, like petrochemical plants, chemical plants, pharmaceutical plants, etc.
- EX Mark: Ex II 2G Ex db IIB T6 Gb
  Ex II 2D Ex tb IIIC T80℃ Db
- Cable Entry: G3/4"

## IBBC9101



| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Application | Size (mm) | Replaces Fluorescent lamp |
|---|---|---|---|---|---|---|---|
| IBBC9101-L25H | 100~277VAC | 25W | 2800 | 9 | Class I, zone1 & zone2, zone21 &zone22 | 326x370x88 | 70W |
| IBBC9101-L40H | | 40W | 4200 | | | | 100W |
| IBBC9101-L60H | | 60W | 5900 | | | | 150W |
| IBBC9101-L80H | | 80W | 7200 | | | | 48W |
| IBBC9101-L25L | 20~39VAC/ 20~50VDC | 25W | 2800 | 9 | | 326x370x88 | 70W |
| IBBC9101-L40L | | 40W | 4200 | | | | 100W |

- CCT: 5000K (3000K / 4000K optional)

- Suitable for the environment of flammable gas, steam and dust environment, such as Petrochemical Plant, Chemical Plant, Coal Washery, Pharmaceutical Factory, etc.
- EX Mark: Ex II 2G Ex db eb mb IIC T4/ T5/ T6 Gb
  Ex II 2D Ex tb IIIC T130℃/ T95℃/ T80℃ Db
- Cable Entry: M20x1.5

## IBBC9102S



| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Application | Size (mm)/ Module Number |
|---|---|---|---|---|---|---|
| IBBC9102S | 120~277VAC | 60W | >110lm/W | 5 | Class I, zone1 & zone2, zone21 &zone22 | 335(L)×212×93/ 1 module |
| | | 100W/120W | | 8.3 | | 335(L)×336×93/ 2 module |
| | | 150W/180W | | 12.4 | | 338(L)×462×93/ 3 module |
| | | 240W | | 15.8 | | 338(L)×586×93/ 4 module |
| | | 300W | | 19.1 | | 338(L)×710×93/ 5 module |

- CCT: 5000K (3000K / 4000K optional)

- Low height region like petrochemical plants, chemical plants, power distribution room, cable channel of power plant, etc.
- EX Mark: Ex II 2G Ex db eb IIC T6 Gb
  Ex II 2D Ex tb IIIC T80℃ Db
- Cable Entry: G1/2", NPT1/2",M20×1.5

## IBBC9200



| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Application | Size (mm) | Replaces energy saving lamp |
|---|---|---|---|---|---|---|---|
| IBBC9200-L6 | 100~240VAC | 6W | 500 | 1.3 | Class I, zone1 & zone2, zone21 &zone22 | Ø150x140 | 18W |
| IBBC9200-L12 | | 12W | 1000 | | | | 22W |
| IBBC9200-L15 | | 15W | 1200 | | | | 30W |
| IBBC9200-L20 | | 20W | 1500 | | | | 45W |
| IBBC9200-L6D | 20~40VAC/ 20~50VDC | 6W | 500 | 1.3 | | Ø150x140 | 18W |
| IBBC9200-L12D | | 12W | 1000 | | | | 22W |
| IBBC9200-L15D | | 15W | 1200 | | | | 30W |
| IBBC9200-L20D | | 20W | 1500 | | | | 45W |

- CCT: 5000K (3000K / 4000K optional)

- Suitable for equipment platform, equipment layer area, main and auxiliary workshop, channel, pipeline, joint station, transfer station, pump valve shed, tank, material sample, plank road, warehouse room, warehouse, etc.

- EX Mark: Ex II 2G Ex db op is IIC T5/ T6 Gb
  Ex II 2D Ex tb op is IIIC T95℃/ T80℃ Db
- Cable Entry: M20×1.5, M25×1.5, NPT3/4", NPT1/2", G3/4"

## IBBC9302P



| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Application | Size (mm) | Replaces Metal Halide Lamp |
|---|---|---|---|---|---|---|---|
| IBBC9302P-L30-200 | 100~240VAC/ 120~277VAC/ 20~39VAC/ 20~50VDC | 30W | 2700 | 5.5 | Class I, zone1 & zone2, zone21 &zone22 | Ø240x220 | 70W |
| IBBC9302P-L40-200 | | 40W | 3600 | | | | 100W |
| IBBC9302P-L50-200 | | 50W | 4500 | | | | 100W |
| IBBC9302P-L60-200 | | 60W | 5600 | | | | 150W |

- CCT: 5000K (3000K / 4000K optional)

- Suitable for equipment platform, equipment layer area, main and auxiliary workshop, channel, pipeline, joint station, transfer station, pump valve shed, tank, material sample, plank road, warehouse room, warehouse, etc.

- EX Mark: Ex II 2G Ex db op is IIC T5/ T6 Gb
  Ex II 2D Ex tb op is IIIC T95℃/ T80℃ Db
- Cable Entry: M20×1.5, M25×1.5, NPT3/4", NPT1/2", G3/4"

## IBBC9302S



| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Application | Size (mm) | Replaces Metal Halide Lamp |
|---|---|---|---|---|---|---|---|
| IBBC9302S-L30-200 | 100~240VAC/ 120~277VAC/ 20~39VAC/ 20~50VDC | 30W | 2700 | 5.5 | Class I, zone1 & zone2, zone21 &zone22 | Ø240x220 | 70W |
| IBBC9302S-L40-200 | | 40W | 3600 | | | | 100W |
| IBBC9302S-L50-200 | | 50W | 4500 | | | | 100W |
| IBBC9302S-L60-200 | | 60W | 5600 | | | | 150W |

- CCT: 5000K (3000K / 4000K optional)

- Low and medium installation height region, like oil production, oil refining equipment platforms, chemical plants, petrochemical plants, pharmaceutical plants, polishing plants, etc.

- EX Mark: Ex II 2G Ex db IIB T6 Gb
  Ex II 2D Ex tb IIIC T80℃ Db
- Cable Entry: G3/4"

## IBBC9303



| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Application | Size (mm) | Replaces energy saving lamp |
|---|---|---|---|---|---|---|---|
| IBBC9303-L25H | 100~240VAC | 25W | 2400 | 4 | Class I, zone1 & zone2, zone21 &zone22 | Ø240x160 | 50-70W |
| IBBC9303-L40H | | 40W | 4300 | | | | 100W |
| IBBC9303-L60H | | 60W | 5800 | | | | 150W |
| IBBC9303-L25L | 20~39VAC/ 20~50VDC | 25W | 2400 | 4 | | Ø240x160 | 50-70W |
| IBBC9303-L40L | | 40W | 4300 | | | | 100W |

- CCT: 5000K (3000K / 4000K optional)

- Suitable for petroleum exploration, oil refining, chemical industry, and electric power, etc.

- EX Mark: Ex II 2G Ex db eb IIC T6/ T5/ T4 Gb
  Ex II 2D Ex tb IIIC T80℃/ T95℃/ T130℃ Db
- Cable Entry: M25×1.5, NPT3/4", G3/4“, G1/2, M20×1.5, NPT1/2"

## IBBC9304P



| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Application | Size (mm) | Replaces Metal Halide Lamp |
|---|---|---|---|---|---|---|---|
| IBBC9304P-L80 | 100~277VAC | 80W | 8873 | 7.8 | Class I, zone1 & zone2, zone21 &zone22 | Ø302x249 | 175W |
| IBBC9304P-L100 | | 100W | 12675 | | | | 250W |
| IBBC9304P-L120 | | 120W | 14803 | | | | 250~400W |
| IBBC9304P-L150 | | 150W | 18675 | | | | 400W |

- CCT: 5000K (3000K / 4000K optional)

- Suitable for petroleum exploration, oil refining, chemical industry, and electric power, etc.

- EX Mark: Ex II 2G Ex db eb IIC T6/ T5/ T4 Gb
  Ex II 2D Ex tb IIIC T80℃/ T95℃/ T130℃ Db
- Cable Entry: M25×1.5, NPT3/4", G3/4“, G1/2, M20×1.5, NPT1/2"

## IBBC9304S



| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Application | Size (mm) | Replaces Metal Halide Lamp |
|---|---|---|---|---|---|---|---|
| IBBC9304S-L80 | 100~277VAC | 80W | 8873 | 7.8 | Class I, zone1 & zone2, zone21 &zone22 | Ø302x249 | 175W |
| IBBC9304S-L100 | | 100W | 12675 | | | | 250W |
| IBBC9304S-L120 | | 120W | 14803 | | | | 250~400W |
| IBBC9304S-L150 | | 150W | 18675 | | | | 400W |

- CCT: 5000K (3000K / 4000K optional)

- Suitable for oilfield, chemical industry, offshore drilling platform, ship, cruise, steel industry, petroleum etc.

- EX Mark: Ex II 2G Ex db eb IIC T6/ T5/ T4 Gb
  Ex II 2D Ex tb IIIC T80℃/ T95℃/ T130℃ Db
- Cable Entry: M20×1.5, NPT1/2“, M25×1.5, NPT3/4"

## IBBC9306P



| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Application | Size (mm) | Replaces energy saving lamp |
|---|---|---|---|---|---|---|---|
| IBBC9306P-L30 | 100~240VAC | 30W | 3500 | 4.2 | Class I, zone1 & zone2, zone21 &zone22 | Ø230x270 | 70W |
| IBBC9306P-L40 | | 40W | 4600 | | | | 100W |
| IBBC9306P-L50 | | 50W | 5600 | | | | 100~150W |
| IBBC9306P-L60 | | 60W | 7000 | | | | 150W |
| IBBC9306P-L80 | | 80W | 8800 | | | | 175W |

- CCT: 5000K (3000K / 4000K optional)
- The lamp can be matched with a lens: 40°, 60°, 80°, 100°, 200°, 60°×80°, 90°×110°

- Suitable for oilfield, chemical industry, offshore drilling platform, ship, cruise, steel industry, petroleum etc.
- EX Mark: Ex II 2G Ex db eb IIC T6/ T5/ T4 Gb
  Ex II 2D Ex tb IIIC T80℃/ T95℃/ T130℃ Db
- Cable Entry: M20×1.5, NPT1/2“

## IBBC9306S



| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Application | Size (mm) | Replaces Metal Halide Lamp |
|---|---|---|---|---|---|---|---|
| IBBC9306P-L30 | 100~240VAC | 30W | 3500 | 4.9 | Class I, zone1 & zone2, zone21 &zone22 | 245x260x270 | 70W |
| IBBC9306P-L40 | | 40W | 4600 | | | | 100W |
| IBBC9306P-L50 | | 50W | 5600 | | | | 100~150W |
| IBBC9306P-L60 | | 60W | 6900 | | | | 150W |
| IBBC9306P-L80 | | 80W | 8800 | | | | 175W |

- CCT: 5000K (3000K / 4000K optional)
- The lamp can be matched with a lens: 18°, 40°, 60°, 80°, 100°, 200°, 60°×80°, 90°×110°

- Suitable for oilfield, chemical industry, offshore drilling platform, ship, cruise, steel industry, petroleum etc.
- EX Mark: Ex II 2G Ex db eb IIC T4/ T3 Gb
  Ex II 2D Ex tb IIIC T130℃/ T195℃ Db
- Cable Entry: M25×1.5, NPT3/4", G3/4“, M20×1.5, NPT1/2"

## IBBC9307P



| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Application | Size (mm) | Replaces Metal Halide Lamp |
|---|---|---|---|---|---|---|---|
| IBBC9307P-L100 | 100~240VAC | 100W | 11500 | 6.4 | Class I, zone1 & zone2, zone21 &zone22 | Ø300x290 | 250W |
| IBBC9307P-L120 | | 120W | 13200 | | | | 250~400W |
| IBBC9307P-L150 | | 150W | 16800 | | | | 400W |
| IBBC9307P-L200 | | 200W | 23700 | | | | 400~600W |
| IBBC9307P-L240 | | 240W | 28400 | | | | 600~800W |

- CCT: 5000K (3000K / 4000K optional)
- The lamp can be matched with a lens: 18°, 40°, 60°, 80°, 100°, 200°, 60°×80°, 90°×110°.

- Suitable for oilfield, chemical industry, offshore drilling platform, ship, cruise, steel industry, petroleum etc.
- EX Mark: Ex II 2G Ex db eb IIC T4/ T3 Gb
  Ex II 2D Ex tb IIIC T130℃/ T195℃ Db
- Cable Entry: M20×1.5, NPT1/2“

## IBBC9307S



| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Application | Size (mm) | Replaces energy saving lamp |
|---|---|---|---|---|---|---|---|
| IBBC9307S-L100 | 100~240VAC | 100W | 11500 | 7.5 | Class I, zone1 & zone2, zone21 &zone22 | 295x330x350 | 250W |
| IBBC9307S-L120 | | 120W | 13200 | | | | 250~400W |
| IBBC9307S-L150 | | 150W | 16800 | | | | 400W |
| IBBC9307S-L200 | | 200W | 23300 | | | | 400~600W |
| IBBC9307S-L240 | | 240W | 28400 | | | | 600~800W |

- CCT: 5000K (3000K / 4000K optional)
- The lamp can be matched with a lens: 18°, 40°, 60°, 80°, 100°, 200°, 60°×80°, 90°×110°.

ABS

Ex

LM79
LM84

IP 66

Ta 40/55

Ta -40

## IBBC9308P



- Suitable for oil drilling, refining platform, chemical petrol factory, pharmaceutical factory, polishing factory, etc.
- EX Mark: Ex db IIC T4/ T5/ T6 Gb
  Ex tb IIIC T130℃/ T95℃/ T80℃ Db
- Cable Entry: M20×1.5, M25×1.5, NPT3/4", NPT1/2", G3/4"

| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Application | Size (mm) | Replaces Metal Halide Lamp |
|---|---|---|---|---|---|---|---|
| IBBC9308P-L30 | 100~240VAC | 30W | 3500 | 3 | Class I, zone1 & zone2, zone21 &zone22 | Ø230x170 | 70W |
| IBBC9308P-L40 | | 40W | 4600 | | | | 100W |
| IBBC9308P-L50 | | 50W | 5600 | | | | 100~150W |
| IBBC9308P-L60 | | 60W | 7000 | | | | 150W |
| IBBC9308P-L80 | 200~240VAC | 80W | 8800 | | | | 175W |

- CCT: 5000K (3000K / 4000K optional)
- The lamp can be matched with a lens: 18°, 40°, 60°, 80°, 100°, 200°, 60°×80°, 90°×110°

ABS

Ex

LM79
LM84

IP 66

Ta 40/55

Ta -40

## IBBC9308S



- Suitable for oil drilling, refining platform, chemical petrol factory, pharmaceutical factory, polishing factory, etc.
- EX Mark: Ex db IIC T4/ T5/ T6 Gb
  Ex tb IIIC T130℃/ T95℃/ T80℃ Db
- Cable Entry: M20×1.5, M25×1.5, NPT3/4", NPT1/2", G3/4"

| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Application | Size (mm) | Replaces Metal Halide Lamp |
|---|---|---|---|---|---|---|---|
| IBBC9308P-L30 | 100~240VAC | 30W | 3500 | 3.7 | Class I, zone1 & zone2, zone21 &zone22 | 180x230x270 | 70W |
| IBBC9308P-L40 | | 40W | 4600 | | | | 100W |
| IBBC9308P-L50 | | 50W | 5600 | | | | 100~150W |
| IBBC9308P-L60 | | 60W | 7000 | | | | 150W |
| IBBC9308P-L80 | 200~240VAC | 80W | 8800 | | | | 175W |

- CCT: 5000K (3000K / 4000K optional)
- The lamp can be matched with a lens: 18°, 40°, 60°, 80°, 100°, 200°, 60°×80°, 90°×110°.

ABS

Ex

LM79
LM84

IP 66

Ta 55

Ta -40

## IBBC9309S



- Suitable for oilfield, chemical industry, offshore drilling platform, ship, cruise, steel industry, petroleum etc.
- EX Mark: II 2G Ex db eb IIC T4/ T3 Gb
  II 2D Ex tb IIIC T130℃/ T195℃ Db
- Cable Entry: M20×1.5, NPT1/2“

| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Application | Size (mm) | Replaces energy saving lamp |
|---|---|---|---|---|---|---|---|
| IBBC9309S-L240 | 200~277VAC | 240W | 27200 | 13 | zone2, zone21 &zone22 | 602x250x340 | 600W |
| IBBC9309S-L300 | | 300W | 34600 | | | | 600~1000W |
| IBBC9309S-L400 | | 400W | 46600 | | | | 1000W |
| IBBC9309S-L480 | | 480W | 56800 | | | | >1000W |

- CCT: 5000K (3000K / 4000K optional)

ABS

Ex

LM79
LM84

IP 66

Ta 55

Ta -40

## IBBC9309S



- Suitable for oil drilling, refining platform, chemical petrol factory, pharmaceutical factory, polishing factory, etc.
- EX Mark: Ex db IIC T4/ T5/ T6 Gb
  Ex tb IIIC T130℃/ T95℃/ T80℃ Db
- Cable Entry: M20×1.5, M25×1.5, NPT3/4", NPT1/2", G3/4"

| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Application | Size (mm) | Replaces Metal Halide Lamp |
|---|---|---|---|---|---|---|---|
| IBBC9309S-L240-18 | 200~277VAC | 240W | 23000 | 14 | zone2, zone21 &zone22 | 602x270x340 | 600W |
| IBBC9309S-L300-18 | | 300W | 29200 | | | | 600~1000W |
| IBBC9309S-L400-18 | | 400W | 43000 | | | | 1000W |
| IBBC9309S-L480-18 | | 480W | 51500 | | | | >1000W |

- CCT: 5000K (3000K / 4000K optional)
- The lamp can be matched with a lens: 18°/25°, 40°, 60°, 80°, 100°, 200°, 60°×80°, 90°×110°

Ex

## IBBC9311BP





- Suitable for device platforms, equipment floor areas, main and auxiliary workshops, passages, pipelines, combined stations, transfer stations, pump and valve sheds, tanks, material sample ports, stacks, Silo room, warehouse and other places.
- EX Mark: Ex nR Ⅱ C T6 Gb
  Ex tD A21 IP66 T80℃
- Cable Entry: G3/4"

| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Application | Size (mm) | Replaces Metal Halide Lamp |
|---|---|---|---|---|---|---|---|
| IBBC9311BP-L30 | 100~240VAC | 30W | 4020 | 2.2 | Class I, zone1 & zone2 | Ø230x167 | 70W |
| IBBC9311BP-L40 | | 40W | 5240 | | | | 100W |
| IBBC9311BP-L50 | | 50W | 6470 | | | | 100W |
| IBBC9311BP-L60 | | 60W | 7390 | | | | 150W |

- CCT: 5000K (3000K / 4000K optional)

Ex

## IBBC9311BS





- Suitable for device platforms, equipment floor areas, main and auxiliary workshops, passages, pipelines, combined stations, transfer stations, pump and valve sheds, tanks, material sample ports, stacks, Silo room, warehouse and other places.
- EX Mark: Ex nR Ⅱ C T6 Gb
  Ex tD A21 IP66 T80℃
- Cable Entry: G3/4“

| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Application | Size (mm) | Replaces energy saving lamp |
|---|---|---|---|---|---|---|---|
| IBBC9311BS-L30 | 100~240VAC | 30W | 4020 | 3 | Class I, zone1 & zone2 | 270x250x167 | 70W |
| IBBC9311BS-L40 | | 40W | 5240 | | | | 100W |
| IBBC9311BS-L50 | | 50W | 6470 | | | | 100W |
| IBBC9311BS-L60 | | 60W | 7390 | | | | 150W |

- CCT: 5000K (3000K / 4000K optional)

ABS

Ex

LM79
LM84

IP 66

Ta 55

Ta -40

## IBBC9309S



- Suitable for oil drilling, refining platform, chemical petrol factory, pharmaceutical factory, polishing factory, etc.
- EX Mark: Ex db IIC T4/ T5/ T6 Gb
  Ex tb IIIC T130℃/ T95℃/ T80℃ Db
- Cable Entry: M20×1.5, M25×1.5, NPT3/4", NPT1/2", G3/4"

| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Application | Size (mm) | Replaces Metal Halide Lamp |
|---|---|---|---|---|---|---|---|
| IBBC9309S-L240-18 | 200~277VAC | 240W | 23000 | 14 | zone2, zone21 &zone22 | 602x270x340 | 600W |
| IBBC9309S-L300-18 | | 300W | 29200 | | | | 600~1000W |
| IBBC9309S-L400-18 | | 400W | 43000 | | | | 1000W |
| IBBC9309S-L480-18 | | 480W | 51500 | | | | >1000W |

- CCT: 5000K (3000K / 4000K optional)
- The lamp can be matched with a lens: 18°/25°, 40°, 60°, 80°, 100°, 200°, 60°×80°, 90°×110°

Ex

## IBBC9311BP





- Suitable for device platforms, equipment floor areas, main and auxiliary workshops, passages, pipelines, combined stations, transfer stations, pump and valve sheds, tanks, material sample ports, stacks, Silo room, warehouse and other places.
- EX Mark: Ex nR Ⅱ C T6 Gb
  Ex tD A21 IP66 T80℃
- Cable Entry: G3/4"

| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Application | Size (mm) | Replaces Metal Halide Lamp |
|---|---|---|---|---|---|---|---|
| IBBC9311BP-L30 | 100~240VAC | 30W | 4020 | 2.2 | Class I, zone1 & zone2 | Ø230x167 | 70W |
| IBBC9311BP-L40 | | 40W | 5240 | | | | 100W |
| IBBC9311BP-L50 | | 50W | 6470 | | | | 100W |
| IBBC9311BP-L60 | | 60W | 7390 | | | | 150W |

- CCT: 5000K (3000K / 4000K optional)

Ex

## IBBC9311BS





- Suitable for device platforms, equipment floor areas, main and auxiliary workshops, passages, pipelines, combined stations, transfer stations, pump and valve sheds, tanks, material sample ports, stacks, Silo room, warehouse and other places.
- EX Mark: Ex nR Ⅱ C T6 Gb
  Ex tD A21 IP66 T80℃
- Cable Entry: G3/4“

| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Application | Size (mm) | Replaces energy saving lamp |
|---|---|---|---|---|---|---|---|
| IBBC9311BS-L30 | 100~240VAC | 30W | 4020 | 3 | Class I, zone1 & zone2 | 270x250x167 | 70W |
| IBBC9311BS-L40 | | 40W | 5240 | | | | 100W |
| IBBC9311BS-L50 | | 50W | 6470 | | | | 100W |
| IBBC9311BS-L60 | | 60W | 7390 | | | | 150W |

- CCT: 5000K (3000K / 4000K optional)

## IBBC9313P

- Suitable for work lighting in dangerous places such as petroleum exploration, oil refining, chemical industry, and electric power.
- EX Mark: Ex de IIC T6 Gb
  Ex tD A21 IP66 T80℃
- Cable Entry: G1/2"



| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Application | Size (mm) | Replaces Metal Halide Lamp |
|---|---|---|---|---|---|---|---|
| IBBC9313P-L25 | 100~240VAC | 25W | 4225 | 1.8 | Class I, zone1 &zone2, zone21 &zone22 | Ø200x208 | 50W |
| IBBC9313P-L30 | | 30W | 5070 | | | | 70W |
| IBBC9313P-L40 | | 40W | 6760 | | | | 100W |
| IBBC9313P-L50 | | 50W | 8450 | | | | 100W |

- CCT: 5000K (3000K / 4000K optional)

## IBBC9313S

- Suitable for work lighting in dangerous places such as petroleum exploration, oil refining, chemical industry, and electric power.
- EX Mark: Ex de IIC T6 Gb
  Ex tD A21 IP66 T80℃
- Cable Entry: G1/2"



| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Application | Size (mm) | Replaces Metal Halide Lamp |
|---|---|---|---|---|---|---|---|
| IBBC9313S-L25 | 100~240VAC | 25W | 4225 | 2.2 | Class I, zone1 &zone2, zone21 &zone22 | 231x157x255 | 50W |
| IBBC9313S-L30 | | 30W | 5070 | | | | 70W |
| IBBC9313S-L40 | | 40W | 6760 | | | | 100W |
| IBBC9313S-L50 | | 50W | 8450 | | | | 100W |

- CCT: 5000K (3000K / 4000K optional)

## IBBC9314

- Suitable for areas with explosive gas in petroleum exploration, chemical industry, metallurgy, military reserve and other enterprises.
- EX Mark: Ex d IIC T6 Gb
  Ex tD A21 IP66 T80℃
- Cable Entry: G3/4“



| Model | Rated voltage (V) | Wattage (W) | 40m illumination | Net weight (kg) | Application | Size (mm) | Luminous color |
|---|---|---|---|---|---|---|---|
| IBBC9314A | 12V/24V/36V/220V | 5W | >2Lx | 2.7 | Class I, zone1 & zone2, zone21 &zone22 | Ø160x208 | Red (yellow and green can be customized) |
| IBBC9314B | | | | | | | |

- The difference between BC9314A and BC9314B is whether or not with the sound.

## IBBC9502

- Suitable for highly corrosive places such as various reaction kettles in chemical and pharmaceutical factories for local observation and lighting.
- EX Mark: Ex de IIC T6 Gb
  Ex tD A21 IP66 T80℃
- Cable Entry: G1/2“



| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Application | Size (mm) | Switch mode | Mounted type |
|---|---|---|---|---|---|---|---|---|
| BC9502□□-L10 | 100~240VAC | 10W | 1200 | 1.3 | Class I, zone1 & zone2, zone21 &zone22 | Ø105x144 | Conventional switch(A) or Delay switch(B) | Vertical installation(S) or Seat installation(Z) |
| BC9502□□-L20 | | 20W | 2400 | | | | | |
| BC9502□□-L10D | 12~40VAC/ 12~40VDC | 10W | 1200 | | | | | |
| BC9502□□-L20D | | 20W | 2400 | | | | | |

- For example: Model No.as IBBC9502AZ-L10-5000K, BC9502: product model, A: conventional switch, Z: vertical installation method, 10: 10W power, 5000K: color temperature

- Suitable for high installation height in moist corrosive environment ,such as offshore drilling platform, oil Terminal, etc. Ideal to be used in the environment of flammable gas, steam and dust environment, such as petrochemical plant, chemical Plant, coal washery, pharmaceutical factory, etc.
- EX Mark: Ⓔx II 2G Ex db IIC T5/ T4/ T3 Gb
  Ⓔx II 2D Ex tb IIIC T95℃/ T130℃/ T195℃ Db
- Cable Entry: M20×1.5, M25×1.5, NPT3/4", NPT1/2", G3/4"

## IBBC9700



| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Application | Size (mm) | Replaces Metal Halide Lamp |
|---|---|---|---|---|---|---|---|
| IBBC9700-L50 | 100~240VAC | 50W | 6000 | 6.3 | Class I, zone1 &zone2, zone21 &zone22 | 300x202x332 | 120W |
| IBBC9700-L60 | | 60W | 6800 | | | | 150W |
| IBBC9700-L80 | | 80W | 8900 | | | | 175W |
| IBBC9700-L100 | | 100W | 11600 | | | | 250W |
| IBBC9700-L120 | | 120W | 13400 | | | | 250~400W |
| IBBC9700-L150 | | 150W | 16100 | | | | 400W |
| IBBC9700-L200 | | 200W | 22700 | | | | >400W |

- CCT: 5000K (3000K / 4000K optional)
- The lamp can be matched with a lens: 40°, 60°, 80°, 100°, 60°×80°, 90°×110°

- Flood light in this series can be used for stationary local illumination in coal mines and in other places on explosive hazardous gas (methane-mixtures), coal dust, etc. like coal mine tunnel, cavern, substations, pump room, etc.

- EX Mark: Ex d I Mb
- Cable Entry: G3/4"

**IBDGS24/127(LA)**
**IBDGS35/127(LA)**
**IBDGS48/127(LA)**



| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Size (mm) | Replaces Metal Halide Lamp |
|---|---|---|---|---|---|---|
| IBBDGS24/127L(A) | 100~240VAC | 24W | 2000 | 4.1 | 422x177x77 | 70W |
| IBBDGS35/127L(A) | | 35W | 3200 | | | 100W |
| IBBDGS48/127L(A) | | 48W | 3900 | | | 100~150W |

- CCT: 5000K (3000K / 4000K optional)

- Flood light in this series can be used for stationary local illumination in coal mines and in other places on explosive hazardous gas (methane-mixtures), coal dust, etc. like coal mine tunnel, cavern, substations, pump room, etc.

- EX Mark: Ex d I Mb
- Cable Entry: G3/4"

**IBDGS20/127L(C)**
**IBDGS30/127L(C)**
**IBDGS45/127L(C)**



| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Size (mm) | Replaces Metal Halide Lamp |
|---|---|---|---|---|---|---|
| IBDGS20/127L(C)-P | 100~240VAC | 20W | 1950 | 2.7 | Ø230x180 | 50W |
| IBDGS30/127L(C)-P | | 30W | 2750 | | | 70W |
| IBDGS45/127L(C)-P | | 45W | 4100 | | | 100W |

- CCT: 5000K (3000K / 4000K optional)

- Flood light in this series can be used for stationary local illumination in coal mines and in other places on explosive hazardous gas (methane-mixtures), coal dust, etc. like coal mine tunnel, cavern, substations, pump room, etc.

- EX Mark: Ex d I Mb
- Cable Entry: G3/4“

**IBDGS20/127L(C)**
**IBDGS30/127L(C)**
**IBDGS45/127L(C)**



| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Size (mm) | Replaces Metal Halide Lamp |
|---|---|---|---|---|---|---|
| DGS20/127L(C)-S | 100~240VAC | 20W | 1950 | 3.2 | 218X230X268 | 50W |
| DGS20/127L(C)-S | | 30W | 2750 | | | 70W |
| DGS20/127L(C)-S | | 45W | 4100 | | | 100W |

- CCT: 5000K (3000K / 4000K optional)

# Explosion Proof Coal Mine Lights

- Flood light in this series can be used for stationary local illumination in coal mines and in other places on explosive hazardous gas (methane-mixtures), coal dust, etc. like coal mine tunnel, cavern, substations, pump room, etc.

- EX Mark: Ex d I Mb
- Cable Entry: G3/4"

**IBDGS20/127L(C)**
**IBDGS30/127L(C)**
**IBDGS45/127L(C)**



| Model | Rated voltage (V) | Wattage (W) | Light output (lm) | Net weight (kg) | Size (mm) | Replaces Metal Halide Lamp |
|---|---|---|---|---|---|---|
| IBDGS20/127L(C)-P | 100~240VAC | 20W | 1950 | 5.5 | Ø230x180 | 50W |
| IBDGS30/127L(C)-P | | 30W | 2750 | | | 70W |
| IBDGS45/127L(C)-P | | 45W | 4100 | | | 100W |

- CCT: 5000K (3000K / 4000K optional)
- This coal mine light could be attached with bracket, Material is 304 stainless steel

## IBBC5404J

- Suitable for explosive gas environment of raw material, like fine chemical industry, electronics microelectronics production, clean room, laboratory, operating room.
- EX Mark: Ex nR IIC T6 Gc
- Cable Entry: M25×1.5, NPT3/4", G3/4"



| Model | Rated voltage (V) | Wattage (W) | Emergency wattage (W) | Emergency light output (lm) | Emergency duration (min) | Net weight (kg) | Application | Size (mm) | Replaces Fluorescent lamp |
|---|---|---|---|---|---|---|---|---|---|
| IBBC5404AJ-L24-L5 | 100~240VAC | 24W | 5W | 550 | ≥180 | 4.3kg (light) + 2.9kg (Emergency box) | zone2 | 1200x300 | 48W |
| IBBC5404AJ-L36-L5 | | 36W | | | | | | | 72W |
| IBBC5404AJ-L48-L5 | | 48W | | | | | | | 96W |
| IBBC5404BJ-L24-L5 | | 24W | | | | | | 600x600 | 48W |
| IBBC5404BJ-L36-L5 | | 36W | | | | | | | 72W |
| IBBC5404BJ-L48-L5 | | 48W | | | | | | | 96W |
| IBBC5404CJ-L24-L5 | | 24W | | | | 2.3kg (light) + 2.9kg (Emergency box) | | 300x600 | 48W |
| IBBC5404CJ-L36-L5 | | 36W | | | | | | | 72W |
| IBBC5404CJ-L48-L5 | | 48W | | | | | | | 96W |

- CCT: 5000K (3000K / 4000K optional)

## IBBC5405J

- Suitable for explosive gas environment of raw material, like fine chemical industry, electronics microelectronics production, clean room, laboratory, operating room.
- EX Mark: Ex db mb IIC T6 G
- Cable Entry: M25×1.5, NPT3/4", G3/4"



| Model | Rated voltage (V) | Wattage (W) | Emergency wattage (W) | Emergency light output (lm) | Emergency duration (min) | Net weight (kg) | Application | Size (mm) | Replaces Fluorescent lamp |
|---|---|---|---|---|---|---|---|---|---|
| IBBC5405AJ-L24-L5 | 100~240VAC | 24W | 5W | 550 | ≥180 | 4.3kg (light) + 2.9kg (Emergency box) | zone2 | 1200x300 | 48W |
| IBBC5405AJ-L36-L5 | | 36W | | | | | | | 72W |
| IBBC5405AJ-L48-L5 | | 48W | | | | | | | 96W |
| IBBC5405BJ-L24-L5 | | 24W | | | | | | 600x600 | 48W |
| IBBC5405BJ-L36-L5 | | 36W | | | | | | | 72W |
| IBBC5405BJ-L48-L5 | | 48W | | | | | | | 96W |
| IBBC5405CJ-L24-L5 | | 24W | | | | 2.3kg (light) + 2.9kg (Emergency box) | | 300x600 | 48W |

- CCT: 5000K (3000K / 4000K optional)

## IBBC5401J

- Low height region of pedestrian intensive, like offshore oil, chemical device platform, oil tankers of various channels, cabin, etc.
- EX Mark: Ⓔx II 2G Ex db eb IIC T6 Gb
  Ⓔx II 2D Ex tb IIIC T80℃ Db
- Cable Entry: M25×1.5, NPT3/4", G3/4"(Standard);
  M20×1.5, NPT1/2“ (attached with adaptor)



| Model | Rated voltage (V) | Wattage (W) | Emergency wattage (W) | Emergency light output (lm) | Emergency duration (min) | Net weight (kg) | Application | Size (mm) | Replaces Fluorescent lamp |
|---|---|---|---|---|---|---|---|---|---|
| IBBC5401J-L2x10 | 100~240VAC | 2x10W | 1x10W | 1800 (Normal)/ 900 (Emergency) | 180 min | 6.6kg (lamp) + 2.9kg (Emergency box) | Class I, zone1 &zone2, zone21 &zone22 | 780x180x110 | 48W |
| IBBC5401J-L2x20 | | 2x20W | 1x20W | 3600 (Normal)/ 1800 (Emergency) | 90 min | 10.7kg(lamp) + 2.9kg (Emergency box) | | 1390x180x110 | 48W |

- CCT: 5000K (3000K / 4000K optional)
- Only one tube lighting when emergency

## IBBC9101A
## IBBC9101B



- Equipment area, stacking and stockyard, like petrochemical plants, chemical plants, pharmaceutical plants, etc.
- EX Mark: Ex d IIB T6 Gb
  Ex tD A21 IP66 T80℃
- Cable Entry: G3/4"

| Model | Rated voltage (V) | Wattage (W) | Emergency wattage (W) | Emergency light output (lm) | Emergency duration (min) | Net weight (kg) | Size (mm) | Replaces Fluorescent lamp |
|---|---|---|---|---|---|---|---|---|
| IBBC9101A-L25-15 | 100~240VAC | 25W | 15W | 1800 | 120 min | 9 | 370x326x88 | 70W / 35W |
| IBBC9101A-L40-15 | | 40W | 15W | 1800 | | | | 100W / 35W |
| IBBC9101A-L60-15 | | 60W | 15W | 1800 | | | | 150W / 35W |
| IBBC9101A-L25-25 | | 25W | 25W | 3000 | 70 min | 9 | 370x326x88 | 70W / 50W |
| IBBC9101A-L40-25 | | 40W | 25W | 3000 | | | | 100W / 50W |
| IBBC9101A-L60-25 | | 60W | 25W | 3000 | | | | 150W / 50W |
| IBBC9101B-L15 | | / | 15W | 1800 | 120 min | 9 | 370x326x88 | / 35W |
| IBBC9101B-L25 | | / | 25W | 3000 | 70 min | | | / 50W |

- CCT: 5000K (3000K / 4000K optional)

## IBBC9306AP/BP



- Suitable for emergency lighting to low installation height region in extreme climate, like offshore oil, chemical equipment platforms, tankers, ships, docks, piers, etc.
- EX Mark: Ex II 2G Ex db eb IIC T6/T5 Gb
  Ex II 2D Ex tb IIIC T80℃/ T95℃ Db
- Cable Entry: M20×1.5, NPT1/2“, M25×1.5, NPT3/4", G3/4"

| Model | Rated voltage (V) | Wattage (W) | Emergency wattage (W) | Emergency light output (lm) | Emergency duration (min) | Net weight (kg) | Application | Size (mm) | Replaces Fluorescent lamp |
|---|---|---|---|---|---|---|---|---|---|
| IBBC9306AP-L40-15 | 100~240VAC | 40W | 15W | 1800 | 120 min | 4.2 | Clas I, zone1 &zone2, zone21 &zone22 | Ø230x270 | 100W / 35W |
| IBBC9306AP-L40-25 | | | 25W | 3300 | 70 min | | | | 100W / 50W |
| IBBC9306BP-L15 | | / | 15W | 1800 | 120 min | | | | / 35W |
| IBBC9306BP-L25 | | | 25W | 3300 | 70 min | | | | / 50W |

- CCT: 5000K (3000K / 4000K optional)
- The lamp can be matched with a lens: 40°, 60°, 80°, 100°, 200°, 60°×80°, 90°×110°

## IBBC9306AS/BS



- Suitable for emergency lighting to low installation height region in extreme climate, like offshore oil, chemical equipment platforms, tankers, ships, docks, piers, etc.
- EX Mark: Ex II 2G Ex db eb IIC T6/T5 Gb
  Ex II 2D Ex tb IIIC T80℃/ T95℃ Db
- Cable Entry: M20×1.5, NPT1/2"

| Model | Rated voltage (V) | Wattage (W) | Emergency wattage (W) | Emergency light output (lm) | Emergency duration (min) | Net weight (kg) | Application | Size (mm) | Replaces Fluorescent lamp |
|---|---|---|---|---|---|---|---|---|---|
| IBBC9306AS-L40-15 | 100~240VAC | 40W | 15W | 1800 | 120 min | 4.9 | Class I, zone1 &zone2, zone21 &zone22 | 245x260x270 | 100W / 35W |
| IBBC9306AS-L40-25 | | | 25W | 3300 | 70 min | | | | 100W / 50W |
| IBBC9306BS-L15 | | / | 15W | 1800 | 120 min | | | | / 35W |
| IBBC9306BS-L25 | | | 25W | 3300 | 70 min | | | | / 50W |

- CCT: 5000K (3000K / 4000K optional)
- The lamp can be matched with a lens: 40°, 60°, 80°, 100°, 200°, 60°×80°, 90°×110°

## IBTM-ZFZD-E6W-BC5200

- This product is widely used for emergency lighting in hazardous locations.
- EX Mark: Ex d IIC T6 Gb
  Ex tD A21 IP66 T80℃
- Cable Entry: G3/4"



| Model | Rated voltage (V) | Wattage (W) | Emergency wattage (W) | Emergency duration (min) | Net weight (kg) | Application | Size (mm) |
|---|---|---|---|---|---|---|---|
| IBTM-ZFZD-E6W-BC5200 | 220VAC | 2x3W | 2x3W | ≥90 min | 2.9 | Class I, zone1 &zone2, zone21 &zone22 | 255x243x110 |

## IBTM-ZLZD-E40W-BC9302

- Suitable for plant platforms, equipment floor areas, main and auxiliary workshops, access roads, pipelines, combined stations, transfer stations, pump and valve sheds, tanks, material sample ports, stacks, silo rooms, warehouses, etc.
- EX Mark: Ex d IIC T6 Gb
  Ex tD A21 IP66 T85℃
- Cable Entry: G3/4"



| Model | Rated voltage (V) | Wattage (W) | Emergency wattage (W) | Emergency duration (min) | Net weight (kg) | Application | Size (mm) |
|---|---|---|---|---|---|---|---|
| IBTM-ZLZD-E40W-BC9302 | 220VAC | 40W | 15W | 90 min | 5 | Class I, zone1 &zone2, zone21 &zone22 | Ø240x220 |

## IBBC4210

## IBBC5210

- This product is widely used for emergency lighting in hazardous locations.
- EX Mark: Ⓔx II 2G Ex db eb IIC T6 Gb
  Ⓔx II 2D Ex tb IIIC T80℃ Db
- Cable Entry: G3/4"






| Model | Rated voltage (V) | Wattage (W) | Emergency duration (min) | Net weight (kg) | Size (mm) |
|---|---|---|---|---|---|
| IBBC4210 | 100~240VAC | 1.5W | 180 min | 3.5 | 373x165x64 |
| IBBC5210 | | 2W | | | |

## Explosion Proof Junction Box

IP66

ABS

- Used as a junction box and mounting element for lighting equipment installed in explosion hazardous areas, like petrochemical plants, chemical plants, pharmaceutical factory, polishing plant, etc.
- EX Mark: Ex db IIC T6 Gb
  Ex tb IIIC T80℃ Db IP66

### IBBHD01A/B



### IBBHD02



| Model | Rated voltage (V) | Rated current (A) | Terminal blocks | Inlet thread | Outer Diameter Of Inlet Cable | Net weight (kg) | Size (mm) |
|---|---|---|---|---|---|---|---|
| IBBHD01A | ≤500V | 20A | 2 | G3/4" | Depends on the cable connecting accessories | 1.2 | 185x185x75 |
| IBBHD01B | | | 2 | M25×1.5 or M20×1.5 or NPT3/4" or NPT1/2" | | | 185x185x75 |
| IBBHD02 | | | 4 | M25×1.5 or M20×1.5 or NPT3/4" or NPT1/2" | | 0.8 | 116x116x75 |

Ex

IP66

ABS

- Used as a junction box and mounting element for lighting equipment installed in explosion hazardous areas, like petrochemical plants, chemical plants, pharmaceutical factory, polishing plant, etc.
- EX Mark: Ex db IIC T6 Gb
  Ex tb IIIC T80℃ Db IP66

### IBBHD05-A~K



| Model | Rated voltage (V) | Rated current (A) | Terminal blocks | Inlet thread | Outer Diameter Of Inlet Cable | Size (mm) |
|---|---|---|---|---|---|---|
| IBBHD05-A~K | ≤500V | 20A | 4 | G Type, M Type, NPT Type optional | Depends on the cable connecting accessories | Base on the spec |

Ex

IP66

- Widely used in flammable and explosive gas environments such as oil extraction, refining, chemical industry, and offshore oil platforms and tankers; also used in military industry, metal processing, and other applications involving combustible dust.
- EX Mark: Ex eb IIC T4...T6 Gb
  Ex tb IIIC T130℃...T80℃ Db

### IBBXJ5310



| Model | Rated voltage (V) | Rated current (A) | Inlet thread | Outer Diameter Of Inlet Cable | Material | Size (mm) |
|---|---|---|---|---|---|---|
| IBBXJ5310-□/□ | ≤690V or 36VDC | ≤690A or ≤5A | G3/4" or Base on request | Depends on the cable connecting accessories | Aluminum alloy | Base on the spec |

Ex

IP66

- Widely used in flammable and explosive gas environments such as oil extraction, refining, chemical industry, and offshore oil platforms and tankers; also used in military industry, metal processing, and other applications involving combustible dust.
- EX Mark: Ex eb IIC T4...T6 Gb
  Ex tb IIIC T130℃...T80℃ Db

### IBBXJ8310



| Model | Rated voltage (V) | Rated current (A) | Inlet thread | Outer Diameter Of Inlet Cable | Material | Size (mm) |
|---|---|---|---|---|---|---|
| IBBXJ8310-□/□ | ≤690V or 36VDC | ≤690A or ≤5A | G3/4" or Base on request | Depends on the cable connecting accessories | ABS | Base on the spec |

## Explosion Proof Lighting Switch

IP66

- Widely used in flammable and explosive gas environments such as oil extraction, refining, chemical industry, and offshore oil platforms and tankers; also used in military industry, metal processing, and other applications involving combustible dust.
- EX Mark: Ex db IIC T6 Gb
  Ex tb IIIC T80℃ Db

### IBBZM



| Model | Rated voltage (V) | Rated current (A) | Inlet thread | Outer Diameter Of Inlet Cable | Material | Size (mm) |
|---|---|---|---|---|---|---|
| IBBZM-□/□ | 220V/230V/250V | 10A/16A/20A | G3/4" or M25×1.5 or NPT3/4" | Depends on the cable connecting accessories | Aluminum alloy | 130x160x101 |

## Anti-corrosive Explosion Proof Controller

IP66

- Widely used in flammable and explosive gas environments such as oil mining, oil refining, chemical industry, offshore oil platforms, tankers, etc., and also used in combustible dust places such as military industry and metal processing.
- EX Mark: Ex eb IIC T4...T6 Gb
  Ex tb IIIC T80℃ Db

### IBBZA5200







| Model | Component Type | Rated voltage (V) | Rated current (A) | Inlet thread | Outer Diameter Of Inlet Cable | Material | Size (mm) |
|---|---|---|---|---|---|---|---|
| IBBZA5200-□/□ | Button | 220V/380V | 10A | G3/4" or Base on request | Depends on the cable connecting accessories | Aluminum alloy | Base on the spec |
| IBBZA5200-□/□ | Ammeter/ Voltmeter | 220V/380V | 10A | G3/4" or Base on request | Depends on the cable connecting accessories | Aluminum alloy | Base on the spec |
| IBBZA5200-□/□ | Indicator light | AC/DC 24V~36V; AC 220V~380V; DC 12~60V/ AC 12~250V; AC/DC 110~240V | ≤1W | G3/4" or Base on request | Depends on the cable connecting accessories | Aluminum alloy | Base on the spec |

IP66

- Widely used in flammable and explosive gas environments such as oil extraction, oil refining, chemical industry, offshore oil platform tankers, and also in combustible dust places such as military industry and metal processing.
- EX Mark: Ex db eb IIC T6 Gb
  Ex tb IIIC T80℃ Db

### IBBZC5310



| Model | Rated voltage (V) | Rated current (A) | Inlet thread | Outer Diameter Of Inlet Cable | Material | Size (mm) |
|---|---|---|---|---|---|---|
| IBBZC5310-□/□ | 220/380VAC, 230/400VAC, 220VDC | 10A | G1" or Base on request | Suitable for ϕ13~17mm cable | Aluminum alloy | Base on the spec |

Ex

IP66

- Widely used in flammable and explosive gas environments such as oil extraction, oil refining, chemical industry, offshore oil platform tankers, and also in combustible dust places such as military industry and metal processing.
- EX Mark: Ex db eb IIC T6 Gb
  Ex tb IIIC T80℃ Db

**IBBZC8310**



| Model | Rated voltage (V) | Rated current (A) | Inlet thread | Outer Diameter Of Inlet Cable | Material | Size (mm) |
|---|---|---|---|---|---|---|
| IBBZC8310-□/□ | 110VAC/DC, 220VAC/DC, 380VAC, 12VAC/DC, 24VAC/DC, 36VAC/DC, 48VAC/DC | 10A | G1" or Base on request | Suitable for ϕ12~16mm cable | ABS | Base on the spec |



Ex IP66

## IBBW3210 LED Explosion Proof Work Light (Spot/ Flood mode)

| | | |
|---|---|---|
| LED Light Source | | 30W |
| Rated capacity | | 15Ah |
| Run-Time | High | 13h |
| | Work | 28h |
| Ex Mark | | Ex db eb IIC T6 Gb |
| Weight | | 10.5kg |
| Size | | 255x250x610mm |



Ex IP68

## IBBW4100B Explosion Proof Tracker Light

| | |
|---|---|
| Warning color | Red, yellow, green, blue, white |
| Flash Fre. | 2.7Hz |
| Run-Time | 500h |
| Ex Mark | Ex ia IIC T4 Ga |
| Weight | 0.1kg |
| Size | 70x47x39mm |



Ex IP66

## IBBW6210 LED Explosion Proof Searchlight

| | | |
|---|---|---|
| LED Light Source | | 1W |
| Rated capacity | | 5.2Ah |
| Run-Time | High | 8h |
| | Work | 40h |
| Ex Mark | | Ex ib IIC T4 Gb |
| Weight | | 0.35kg |
| Size | | 195x74x115mm |



Ex IP65

## IBBW6310 LED Explosion Proof Mini Headlight

| | | | |
|---|---|---|---|
| LED Light Source | | 1W | |
| Rated capacity | | 1.4Ah | |
| Run-Time | High | 4h | 8h |
| | Work | 8h | 16h |
| Ex Mark | | Ex ib IIC T4 Gb | |
| Weight | | 0.085kg | |
| Size | | 50x65x60mm | |



Ex IP66

## IBBW6610A Multifunction LED Explosion Proof Work Light

| | | |
|---|---|---|
| LED Light Source | | 3x3W |
| Rated capacity | | 2.6Ah |
| Run-Time | High | 8h |
| | Work | 15h |
| Ex Mark | | Ex db eb mb IIC T6 Gb |
| Weight | | 1.5kg |
| Size | | 151x131x272mm |



IP66 ABS

## IBBW6610B Multifunction LED Explosion Proof Work Light

| | | |
|---|---|---|
| LED Light Source | | 13W |
| Rated capacity | | 2.6Ah |
| Run-Time | High | 8h |
| | Work | 16h |
| Ex Mark | | Ex db eb mb IIC T6 Gb |
| Weight | | 1.5kg |
| Size | | 151x131x272mm |



Ex IP66 ABS

## IBBW6640 LED Explosion Proof Flashlight

| | | | |
|---|---|---|---|
| LED Light Source | | 3W | 6W |
| Rated capacity | | 5.2Ah | |
| Run-Time | High | 8h | 4h |
| | Work | 16h | 8h |
| Ex Mark | | Ex ib IIC T4 Gb | |
| Weight | | 0.364kg | |
| Size | | Ø47x243mm | |



Ex IP66

## IBBW6650 LED Explosion Proof Hand Lamp

| | | |
|---|---|---|
| LED Light Source | | 15W |
| Rated capacity | | 8Ah |
| Run-Time | High | 7h |
| | Work | 12h |
| Ex Mark | | Ex db eb ib mb IIC T6 Gb |
| Weight | | 1.3kg |
| Size | | Ø118x311mm |



Ex IP67

## IBBW7100B High-range Explosion Proof Flashlight

| | | |
|---|---|---|
| LED Light Source | | 10W |
| Rated capacity | | 6.6Ah |
| Run-Time | High | 3~4h |
| | Work | 10h |
| Ex Mark | | Ex d IIC T6 Gb |
| Weight | | 0.7kg |
| Size | | Ø74x190mm |



IECEx IP68 ABS

## IBBW7101A LED Portable Explosion Proof Searchlight

| | | | |
|---|---|---|---|
| LED Light Source | | 3x3W | |
| Rated capacity | | 2.6Ah | |
| Run-Time | High | 5h | 7.5h |
| | Work | 10h | 16h |
| Ex Mark | | Ex db ib IIC T6 Gb | |
| Weight | | 0.75kg | |
| Size | | Ø67x148mm | |



IECEx IP68 ABS

## IBBW7101B LED Portable Explosion Proof Searchlight

| | | | |
|---|---|---|---|
| LED Light Source | | 3x3W | |
| Rated capacity | | 2.6Ah | |
| Run-Time | High | 7.5h | 11h |
| | Work | 15h | 16h |
| Ex Mark | | Ex db ib IIC T6 Gb | |
| Weight | | 0.75kg | |
| Size | | Ø67x148mm | |



Ex IP67

## IBBW7300 LED Explosion Proof Flashlight

| | | | |
|---|---|---|---|
| LED Light Source | | 3W | 1W |
| Rated capacity | | 2.6Ah | |
| Run-Time | High | 4h | 8h |
| | Work | 10h | 18h |
| Ex Mark | | Ex d IIC T6 Gb | |
| Weight | | 0.125kg | |
| Size | | Ø28x130mm | |



### IBBW7320 LED Explosion Proof Flashlight

| | | | |
|---|---|---|---|
| LED Light Source | | 3W | |
| Rated capacity | | 2.6Ah | |
| Run-Time | High | 3h | 8h |
| | Work | 9h | 18h |
| Ex Mark | | Ex ib IIC T4 Gb | |
| Weight | | 0.165kg | |
| Size | | Ø35x152mm | |



### IBBW7500A LED Explosion Proof Flashlight

| | | | |
|---|---|---|---|
| LED Light Source | | 5W | |
| Rated capacity | | 2.6Ah | |
| Run-Time | High | 4h | 6h |
| | Work | 10h | 10h |
| Ex Mark | | Ex d IIC T6 Gb | |
| Weight | | 0.3kg | |
| Size | | Ø40x210mm | |



### IBBW7500B LED Explosion Proof Flashlight

| | | | |
|---|---|---|---|
| LED Light Source | | 3W | |
| Rated capacity | | 2.6Ah | |
| Run-Time | High | 6h | 12h |
| | Work | 10h | 20h |
| Ex Mark | | Ex d IIC T6 Gb | |
| Weight | | 0.3kg | |
| Size | | Ø40x210mm | |

## Edition

| Release Date | Issuance of Category |
|---|---|
| 2026.07.01 | The 1st. Version |

Data is subject to change without notice.
Please contact us for detailed information.