Local, Caution Spotlight Fittings
BBJ81 Series Explosion-proof Audio and Visual Caution Spotlight Fittings

- Explosion protection to
  -CENELEC
  -IEC
  -NEC
- Can be used in
  Zone 1 and Zone 2
  Zone 21 and Zone 22
  Class I, Zone 1 and Zone 2
  Class I, Division 1, Groups A, B, C, D
- Ultra-bright LED lamp, low power consumption and long service life.
- Lamp colours: red, blue, yellow, green.
- Enclosure in Copper-free Aluminium Alloy, powder coated surface, yellow (RAL1021).

Catalogue number logic

BBJ81 - □

- □ — Lamp colour
  - R: red
  - B: blue
  - Y: yellow
  - G: green
- BBJ81 — Explosion-proof audio and visual caution spotlight fittings

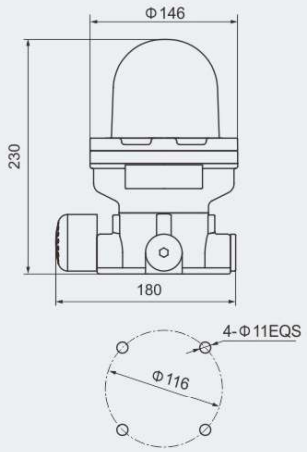
Selection table

Type/Ordering code	Weight(kg)
BBJ81-R	2.60
BBJ81-B	2.60
BBJ81-Y	2.60
BBJ81-G	2.60

Zones 1&2; 21&22

Technical data

Explosion-proof audio and visual caution spotlight fittings BBJ81-□

Explosion protection	
Global (IECEx)	IECEx CQM 12.0035X
Gas and dust	Ex d ib IIC T6 Gb
	Ex t IIIC T80℃ Db IP66
Europe (ATEX)	LCIE 11 ATEX 3111X
Gas and dust	Ⓔx II 2 G Ex d ib IIC T6 Gb
	Ⓔx II 2 D Ex t IIIC T80℃ Db IP66
Certificates	IECEx; ATEX; CU-TR
Conformity to standards	EN 60079-0, EN 60079-1, EN 60079-11, EN 60079-31
	IEC 60079-0, IEC 60079-1, IEC 60079-11, IEC 60079-31
Material	
Enclosure	Copper-free Aluminium Alloy, powder coated surface, yellow (RAL1021)
Transparent cover	Toughened glass, stands 4J impact
Exposed fastener	Stainless steel
Rated voltage	220~240V AC 50/60Hz; 24V DC/AC
Lamp	
Lamp specification	LED
Lamp power (W)	5W
Lamp colour	Red, blue, yellow, green
Flash frequency	70 (times/min)
Sound intensity	85~105dB (R=1m)
Earthing protection	M5 (internal & external earth bolts)
Degree of protection	IP66
Ambient temperature	-40℃~+55℃
Terminal	3 x 1.5~2.5mm^2 (L+N+PE)
Cable entries	3 x M25 x 1.5 plugs
Cable gland (optional)	DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20~29.

Dimension drawings (all dimensions in mm) - subject to alteration