

## 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



### ■ Selection table

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

Note: Standard products are integrated acoustic-optical type. If separate acoustic and optical units are required, please specify when placing your order.

## Zones 1&2; 21&22

## Local, Caution Spotlight Fittings

## BBJ81 Series Explosion-proof Audio and Visual Caution Spotlight Fittings

Technical data	
Explosion-proof audio and visual caution spotlight fittings BBJ81-□	
<b>Explosion protection</b>	
Global (IECEX)	IECEX CQM 12.0035X
Gas and dust	Ex db ib IIC T6 Gb Ex tb IIIC T80°C Db
Europe (ATEX)	LCIE 11 ATEX 3111X
Gas and dust	⊕ II 2 G Ex d ib IIC T6 Gb ⊕ II 2 D Ex t IIIC T80°C Db IP66
<b>Certificates</b>	IECEX; ATEX; CU-TR
<b>Conformity to standards</b>	EN 60079-0, EN 60079-1, EN 60079-11, EN 60079-31 IEC 60079-0, IEC 60079-1, IEC 60079-11, IEC 60079-31
<b>Material</b>	
Enclosure	Copper-free Aluminium Alloy, powder coated surface, yellow (RAL1021)
Transparent cover	Toughened glass, stands 4J impact
Exposed fastener	Stainless steel
<b>Rated voltage</b>	IECEX: 220~240V AC 50/60Hz; 100~120V AC 50/60Hz; 24V DC/AC ATEX: 220~240V AC 50/60Hz; 24V DC/AC
<b>Lamp</b>	
Lamp specification	LED
Lamp power (W)	5W
<b>Lamp colour</b>	Red, blue, yellow, green
<b>Flash frequency</b>	70 (times/min)
<b>Sound intensity</b>	85~105dB (R=1m)
<b>Earthing protection</b>	M5 (internal & external earth bolts)
<b>Degree of protection</b>	IP66
<b>Ambient temperature</b>	-40°C~+55°C
<b>Terminal</b>	3×1.5~2.5mm <sup>2</sup> (L+N+PE)
<b>Cable entries</b>	3×M25×1.5 plugs
<b>Cable gland (optional)</b>	DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P6/24~39.



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

