Local, Caution Spotlight Fittings
BSZD85-E Series Explosion-proof Low Intensity Aircraft Warning Light

- 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 2, Groups A, B, C, D
- Ultra-bright LED lamp, low consumption and long service life up to 50,000 hours, integrated chip control with various circuit protection.
- Synchronous flashing of light fittings through signal lines.
- Enclosure in Copper-free Aluminium Alloy, powder coated surface, yellow (RAL1021).

Catalogue number logic

BSZD85 - E

- E: Lamp: LED (low luminous intensity)
- BSZD85: Explosion-proof aircraft warning light

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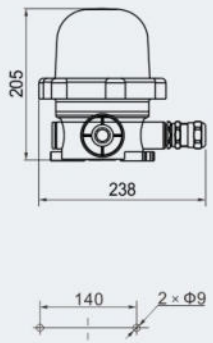
Zones 1&2; 21&22

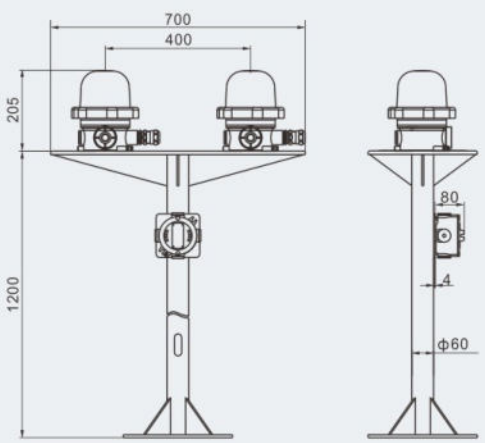
Technical data

Explosion-proof low intensity aircraft warning light BSZD85-E

Explosion protection	
Global (IECEx)	IECEx NEP 22.0008X
Gas and dust	Ex db IIC T6 Gb Ex tb IIIC T80℃ Db
Europe (ATEX)	ExVeritas 22 ATEX1 399X
Gas and dust	Ⓔx II 2 G Ex db IIC T6 Gb Ⓔx II 2 D Ex tb IIIC T80℃ Db
Certificates	IECEx; ATEX
Conformity to standards	EN 60079-0, EN 60079-1, EN 60079-31 IEC 60079-0, IEC 60079-1, IEC 60079-31
Certificates	International Civil Aviation Organization Certification: ICAO
Conformity to standard	International Civil Aviation Organization (ICAO)
Verification number	104406281CRT-001TVOC
Optical requirements	horizontal beam spread 360°, normal beam spread ≥10°; when the angle of elevation is between 2~10°, the lowest light intensity ≥32cd, other angles ≥16cd.
Material	
Enclosure	Copper-free Aluminium Alloy, powder coated surface, yellow (RAL1021)
Transparent cover	Toughened glass, stands 4J impact
Exposed fastener	Stainless steel
Rated voltage	100~277V AC/DC, 12~48V AC/DC
Lamp	
Lamp specification	LED
Lamp power (W)	⩽8W (continuous work)
Lamp colour	Red
Max. luminous intensity value	> 32cd
Flash frequency	Normally on
Earthing protection	M5 (internal & external earth bolts)
Degree of protection	IP66
Ambient temperature	-60℃~+60℃
Terminal	3 x 1.5~2.5mm² (L+N+PE)
Cable entries	2 x M25 x 1.5 plugs
Cable gland (optional)	BPT
Weight	2.7kg

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





Drawings of main (spare) caution spotlight fittings

Note: The light fitting consists of two completely independent photoelectric control systems which can control the main and spare lamps respectively. Generally, the main lamp is used for night lighting, and it will be shut down automatically during the day. If the main lamp is damaged, the spare lamp will be started automatically to be substituted for main lamp.

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