

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

Lamp: LED (low luminous intensity)

Explosion-proof aircraft warning light



Zones 1&2; 21&22

Local, Caution Spotlight Fittings

BSZD85-E Series Explosion-proof Low Intensity Aircraft Warning Light

Technical data

Explosion-proof low intensity aircraft warning light BSZD85-E

Explosion protection

Global (IECEx)

Gas and dust

Europe (ATEX)

Gas and dust

IECEx NEP 22.0008X

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db

ExVeritas 22 ATEX1 399X

Ex II 2 G Ex db IIC T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db

IECEx; ATEX; CU-TR

Certificates

Conformity to standards

EN 60079-0, EN 60079-1, EN 60079-31

IEC 60079-0, IEC 60079-1, IEC 60079-31

International Civil Aviation Organization Certification: ICAO

International Civil Aviation Organization (ICAO)

Certificates

Conformity to standard

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

Transparent cover

Exposed fastener

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

Toughened glass, stands 4J impact

Stainless steel

Rated voltage

100~277V AC/DC, 12~48V AC/DC

Lamp

Lamp specification

Lamp power (W)

LED

≤ 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°C~+60°C

Terminal

3 x 1.5~2.5mm² (L+N+PE)

Cable entries

2 x M25 x 1.5 plugs

Cable gland (optional)

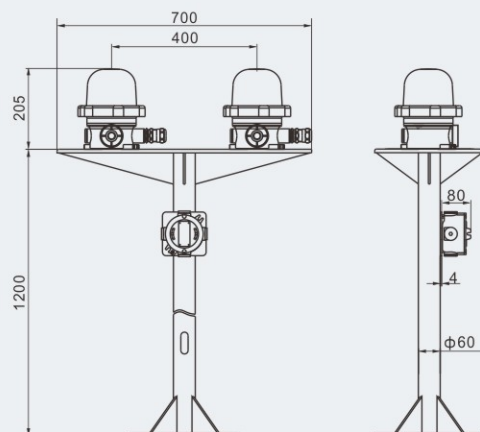
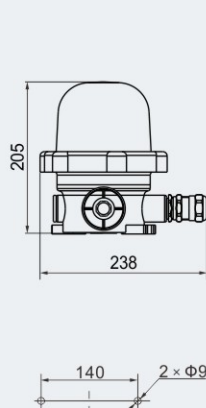
BPT

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.