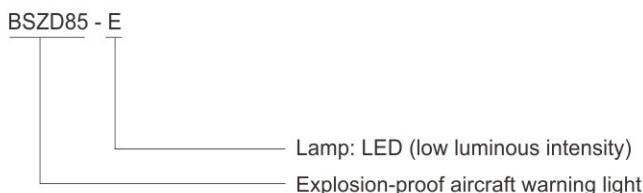


Local, Caution Spotlight Fittings BSZD85-E Series Explosion-proof Low Intensity Aircraft Warning Light



- ◆ 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



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) IECEx NEP 22.0008X

Gas and dust Ex db IIC T6 Gb

Europe (ATEX) 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

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)

104406281CRT-001TVOC

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.

Certificates

Conformity to standards

Certificates

Conformity to standard

Verification number

Optical requirements

Material

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

Transparent cover Toughened glass, stands 4J impact

Exposed fastener Stainless steel

Rated voltage

Lamp

Lamp specification LED

Lamp power (W) ≤ 8W (continuous work)

Lamp colour

Max. luminous intensity value

Flash frequency

Earthing protection

Degree of protection

Ambient temperature

Terminal

Cable entries

Cable gland (optional)

Weight

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

Red

> 32cd

Normally on

M5 (internal & external earth bolts)

IP66

-60°C~+60°C

3 x 1.5~2.5mm² (L+N+PE)

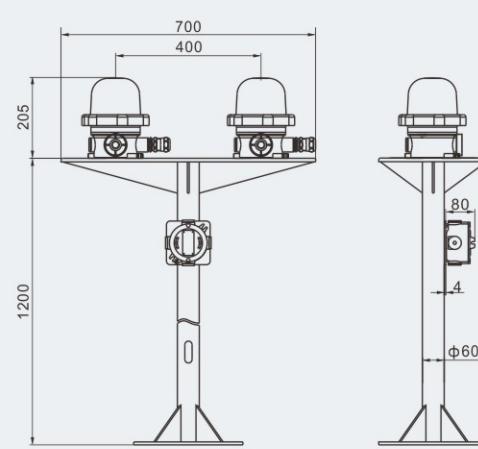
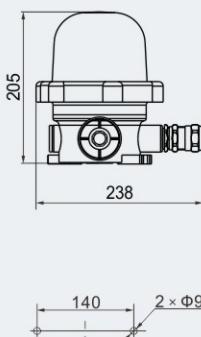
2 x M25 x 1.5 plugs

BPT

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.