



ZA753

Low intensity
obstruction light (Red)
Group - A

Compliant to Latest International Standards

- ▶ CAP168
- ▶ CAP437 - Offshore Helicopter landing areas
- ▶ ICAO Annex 14 Vol I, Obstacles
- ▶ ICAO Annex 14 Vol II, Heliports
- ▶ BS3224
- ▶ CE Markings

Applications

Low Intensity Obstruction Lights (LIOL) that should be used to warn the presence of obstacles up to 45 mts high

Application

As specified by UK CAP168 "Licensing of Aerodromes" regulation, Low Intensity Obstruction Lights (LIOL) should be used to warn the presence of obstacles up to 45m height, such as telecommunication antennas, chimneys, cranes, buildings and other structures.

The ZA753 Multi-purpose, long-life lights designed for use Group A areas, in low luminance backgrounds.

These light fittings can be configured with different options to allow for either both lamps on simultaneously or to automatically change over if to 'ON' lamp should fail.

Construction

The unit consists of a corrosion resistant aluminium alloy casting which houses the internal transformer and power factor correction capacitor. The toughened glass dome is hinged for ease of installation and maintenance.

Mounting Standard

M32 conduit thread at base as standard but other options are available. M32 threaded stem at base (option).

Options

- Photocell control
- Back indication
- Range of lamps available including compact fluorescent
- Auto lamp switching (not available for fluorescent or LED option)

Lightoutput

Up to 45cds red with a 100 watt GLS lamp.

Features

- Wind loading to at least 160km per hour (100 mph)
- Ambient temperature from -20°C to +50°C
- Lamp changing without tools. (except LED option)
- Finished in light grey to BS381C colour number 631
- Vibration checked up to 100Hz
- Reduced power consumption with fluorescents
- Fitting can be wired for:
 - a) Both lamps on
 - b) Automatic switching
- Remote back indication facility is standard on automatic switching
- Unit is constructed from corrosion resistant aluminium alloy. The red refractors are held in place by 6 black nylon screws (3 per refractor) giving access to lamps and terminations
- 16,000 hour longlife lamps available
- LED module available (typical life expectancy 80,000 hour)

Supply

24V to 250V AC or DC to suit lamp application.

Dimensions

Height	251mm
Width	178mm x 483mm
Weight	5kg

Packing details

Gross weight	6kg
Carton size	230mm x 540mm x 260mm
Volume	0.032m ³

Environmental Conditions

- Ambient Temperature -20°C to +50°C
- Storage Temperature -35°C to +75°C
- Atmospheric Altitude up to 10,000 feet (3000m)
- Relative Humidity 0-100% (sealed unit)

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Low Intensity obstruction light solutions



Spares

Lampholder BC	SLC15003
Lampholder ES	SLC15004
Red refractor	SLC19061
Dome gasket	SLC33032
Thumb screws	SLC39034
Change over relay 240V	SLC21249

Variants

ZA753/1 BC lampholder (Both lamps on)	SLC07028
ZA753/2 ES lampholder (Both lamps on)	SLC07074
ZA753/5 BC lampholder (Auto change over with back indication for 100W, 220/240V)	SLC07057
ZA753/6 ES lampholder (Auto change over with back indication for 100W, 220/240V)	SLC07075
ZA753/7 BC lampholder (Auto change over with back indication for 100W, 110/120V)	SLC07077
ZA753/8 ES lampholder (Auto change over with back indication for 100W, 110/120V)	SLC07078

Lamps

100W 240V GLS BC	SLC08031
100W 240V GLS ES	SLC08030
11W fluorescent 240V 50Hz	SLC08068
11W fluorescent 110V 60Hz	On request
100W 240V GLS BC 16,000 hours	SLC08055
100W 240V GLS ES 16,000 hours	SLC08054
10W LED	SLC19061

**All lamps are subject to availability*

Applications

Airports	Radio and television tower
High buildings	Wind Turbines
Chimney	Tower crane
Pipelines	Radars
Bridges	Antennas
Power transmission pylons	Wind / weather measuring stations



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