



Sitelites/ Aviation Warning Beacons



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CAA Letter of Approval



South African Civil Aviation Authority (AIRPORTS)

Reference: CA 17/3/
Enquiries: Koos Pretorius

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ENGINEERING: AIRPORTS SECTION

2000-09-20

WACO INDUSTRIES
P.O.Box 487
BERGVLEI
2012

Attention: Mr. Derek Fuller

Sir

'SITELITE BEACON' Obstruction light

You have submitted proof of compliance to the specification as laid down by ICAO in **ANNEX 14** Volume 1 Third addition as effective from 4 November 1999 for your '**SITELITE BEACON**' as a **Low Intensity Type A** obstruction light.

The **CAA** has no objection to the use of the '**SITELITE BEACON**' as a low intensity **type A** obstruction light in the Republic of South Africa.

The above applies for a 100 Watt incandescent lamp or a 20 Watt compact fluorescent light source only.

The Commissioner reserves the right to withdraw this approval.

Yours faithfully

J.P. Pretorius
NAVAIDS & COMMS

Technical Specs Confirmation

Vision Ware ///

c/o Atlas & de Havilland Rd
Kempton Park, 1620
P O Box 16774 Atlasville 1465
South Africa
Tel: +27-11-921-4411
Fax: +27-11-921-4414

Waco Industries
Fax: (011) 677 2601
Attn: H Pieterse

Date: February 18, 2002

Technical Specifications: NAVLED

Supply Voltage : 220V AC/DC; 115V AC/DC; 12V AC/DC; 24V AC/DC and 48V AC/DC.
Supply Voltage Limits : $\pm 15\%$
Supply Current : 80mA
Lamp Rating : 20Watt maximum
Luminous Intensity : 10+ Cd; 0-10' from horizontal omni-directional
Temperature Limits : -20°C - +55°C
IEC Protection Class : IP30

- UV – Stable Poly-carbonate dome and body
- Expected lamp life: 10-15 years
- Edison screw or Bayonet base
- Protection mechanisms:
 1. LED Cluster/Array is made up by 16 clusters of 4LED's each, connected as a 4x4 serial/parallel array to total 64 LED's.

For one LED failure, only one cluster will die, equaling **6.25%** of total light energy drop.

2. Transient Protection:
Navled use a 4500Amp (8/20@s) Mov, connected across the mains input as first stage protection and resistor protection
Transorb of 1500W (10/1000s) as a second stage protection.

MTN Approval Certificate



Technical Specifications

CHARACTERISTICS OF THE SITELITE

Toughened glass
Die-cast aluminium body
Vibration proof lamp holder
IP 66
Double units are equipped with die cast aluminium or stainless steel boxes as well as universal pole mounting brackets

APPLICATIONS OF THE SITELITE

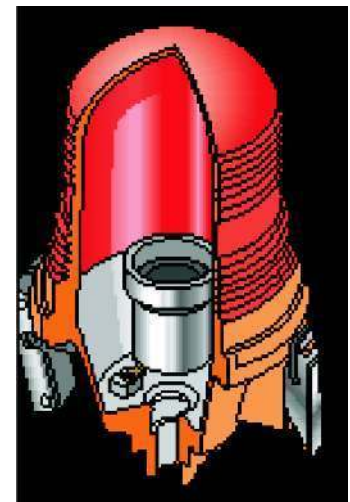
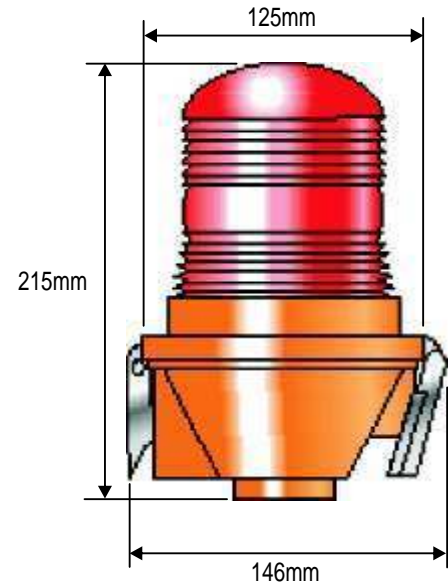
High buildings, masts, towers and cranes
Can also be used in mining applications
Any structure where the height exceeds 20 meters
Applications can be made to suit your specific needs

Available in different voltages on request

**AUTHORISED BY THE
SOUTH AFRICAN CIVIL
AVIATION AUTHORITY.
SABS APPROVED.**

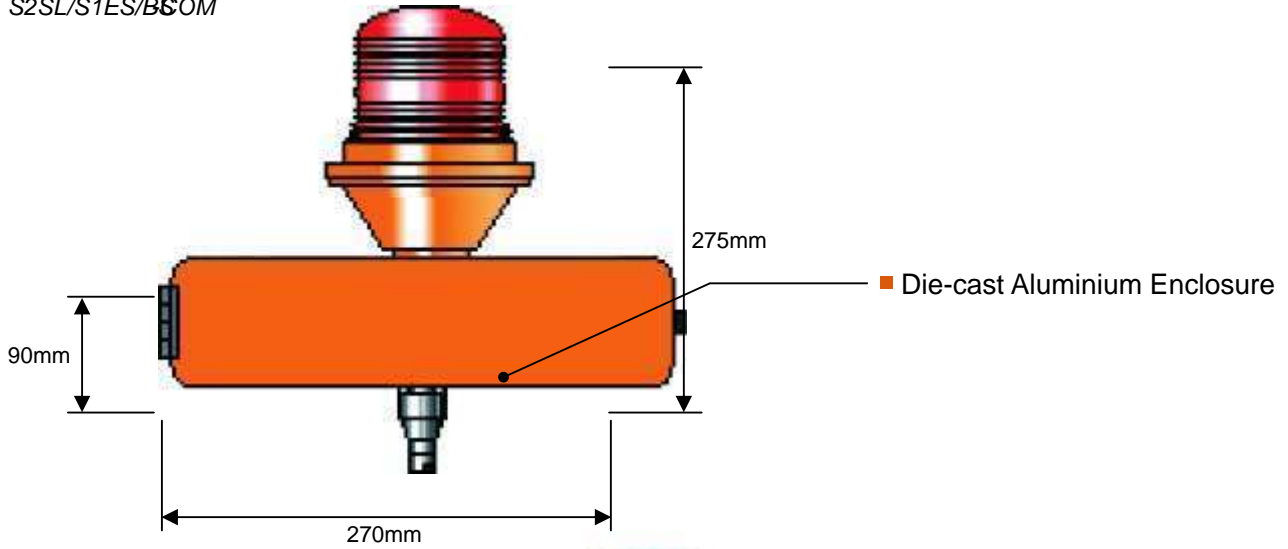
Single E27 SITELITE Beacon

The S2SL/S1ES/Ø single SITELITE Beacon is supplied with an E.S. base as standard.
Max 100W lamp.
S2SL/S1ES/Ø



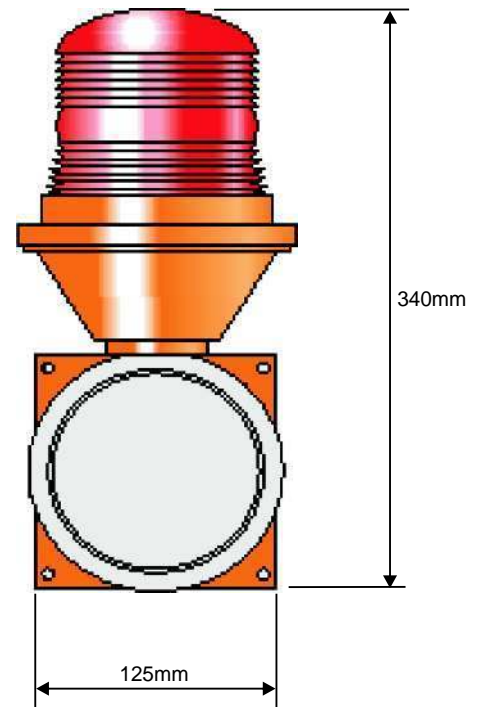
Single SITELITE Beacon

The S2SL/S1ES/BSOM single SITELITE Beacon is supplied complete with a diecast aluminium enclosure and universal pole clamp as standard.
Max 100W lamp.
For use with Annunciator Box.
S2SL/S1ES/BSOM



Single E27 SITELITE Beacon

The S2SL/S1ES/UR single SITELITE Beacon is supplied complete with a 20mm CCG cable box and universal pole clamp as standard.
Max 100W lamp.
S2SL/S1ES/UR



Warning Beacon

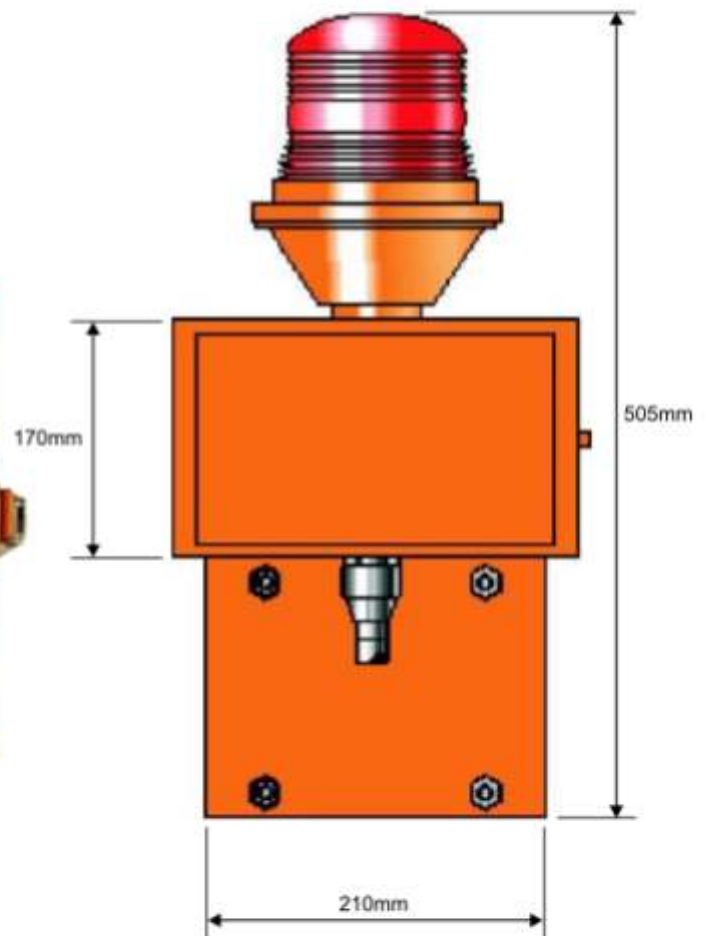


Single SITELITE Beacon

The S2SL/S1ES/BS single SITELITE Beacon is supplied complete with a 3CR12 stainless steel enclosure and universal pole clamp as standard.

Max 100W lamp.

S2SL/S1ES/BS



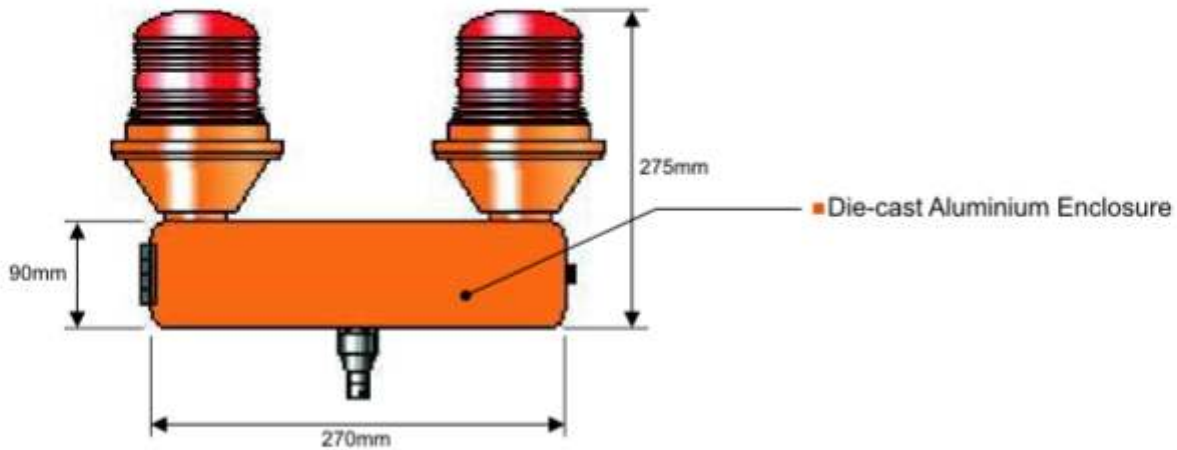
Double SITELITE Beacon

The S2SL/S2ES/BSOM double SITELITE Beacon is supplied complete with a diecast aluminium enclosure and universal pole clamp as standard.

Max 100W lamp.

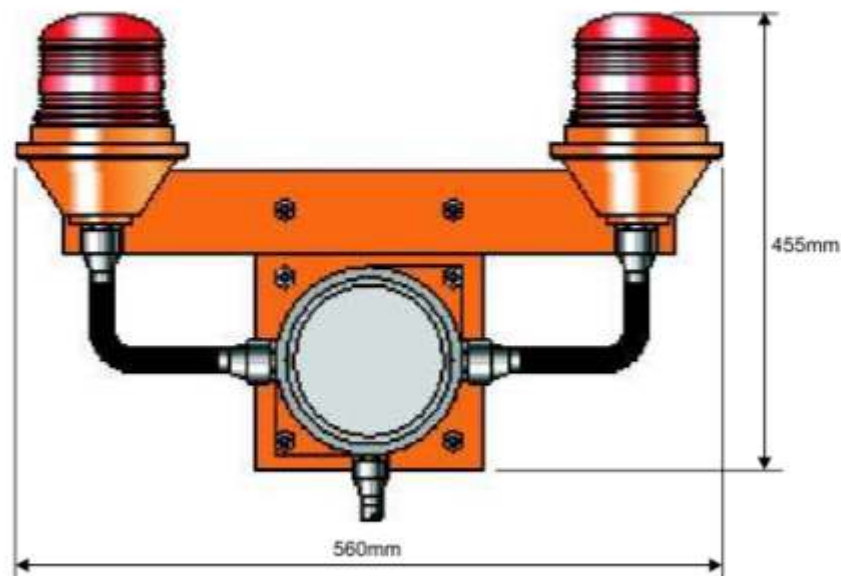
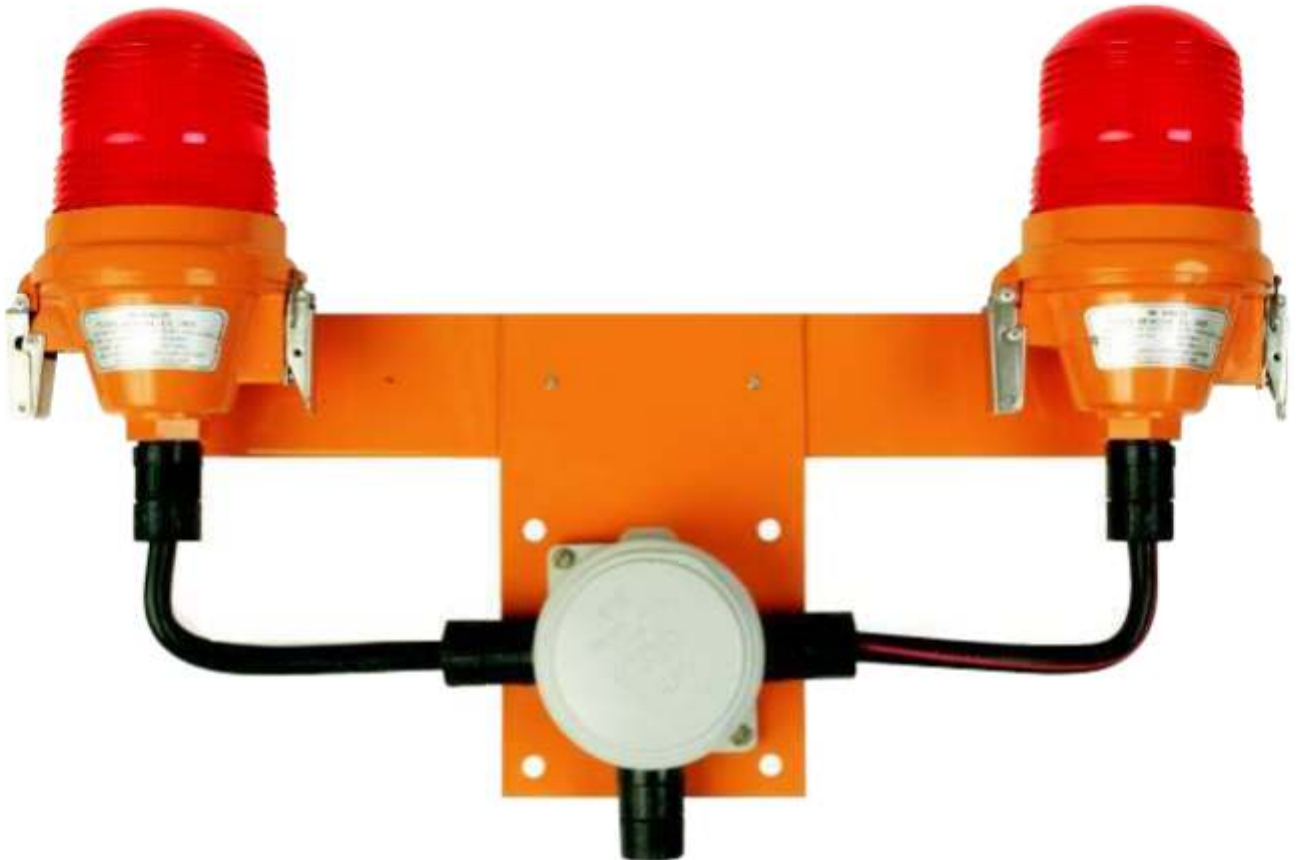
For use with Annunciator Box.

S2SL/S2ES/BSOM



Double SITELITE Beacon

The S2SL/S2ES/U double SITELITE Beacon is supplied complete with a 20mm CCG cable box and universal pole clamp as standard.
Max 100W lamp.
S2SL/S2ES/U

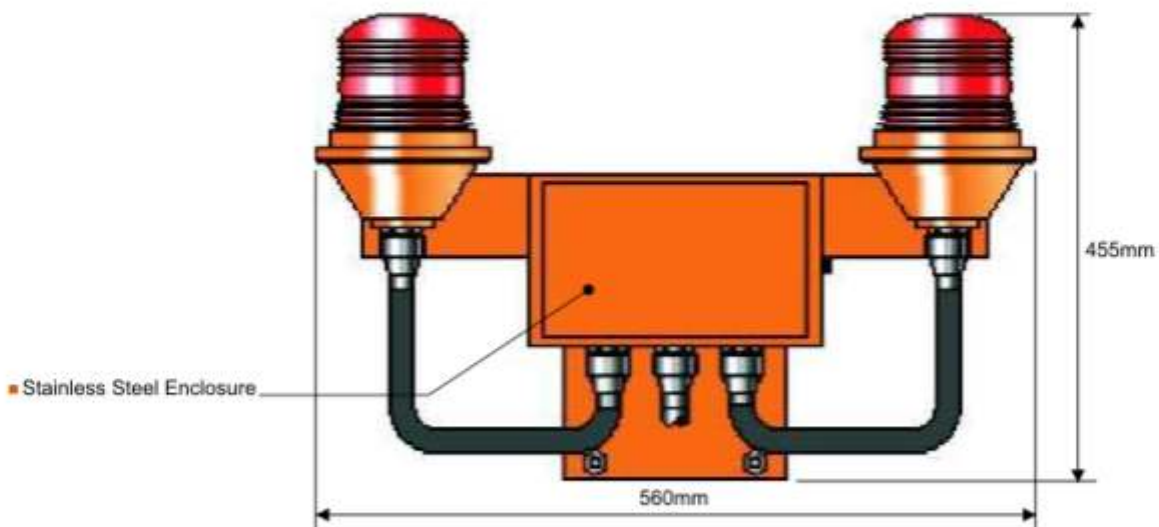


Warning Beacon



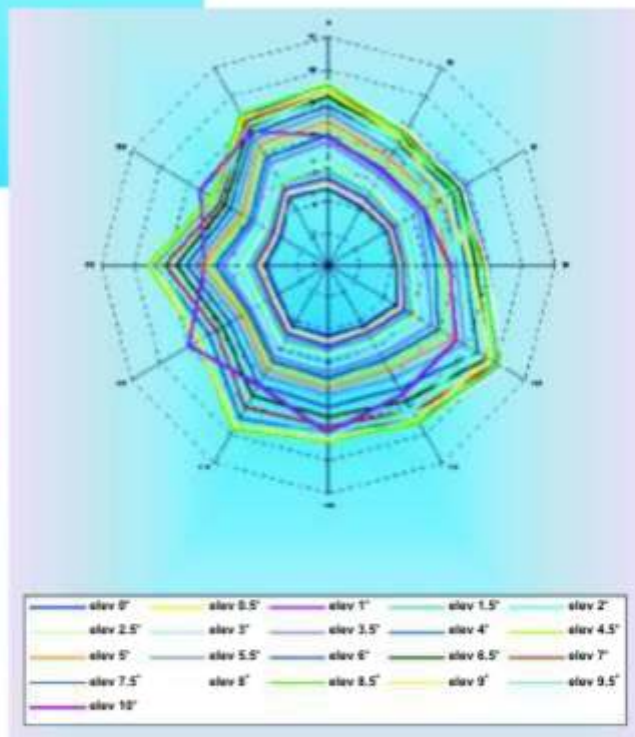
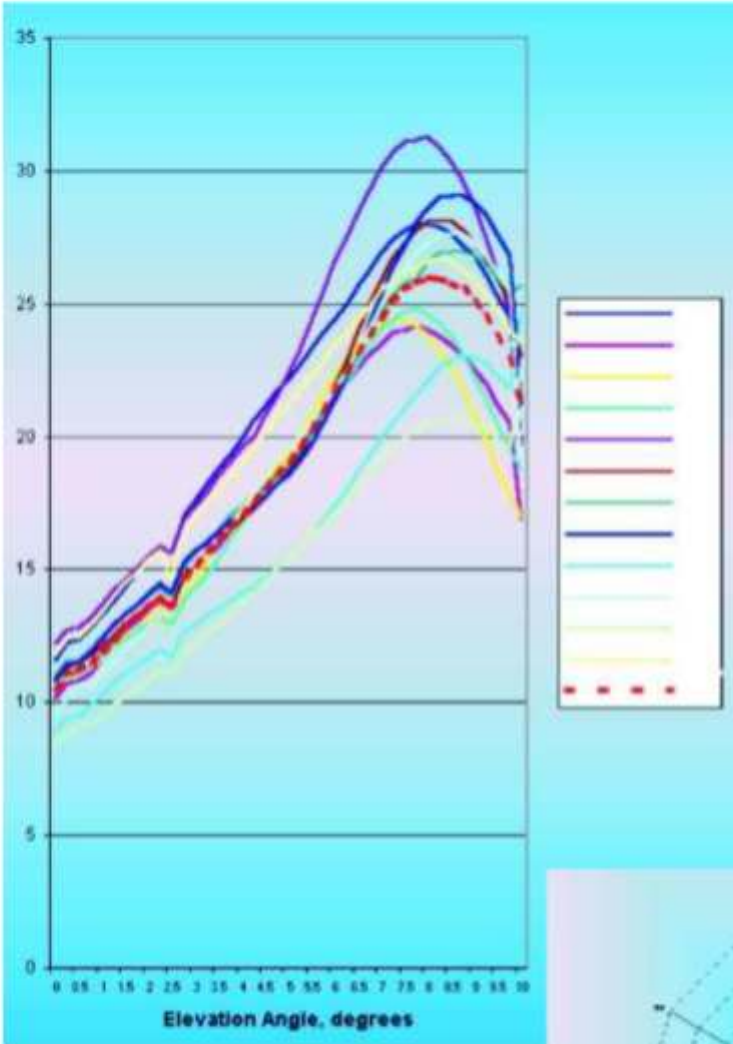
Double SITELITE Beacon

The S2SL/S2ES/BS double SITELITE Beacon is supplied complete with a 3CR12 stainless steel enclosure and universal pole clamp as standard.
Max 100W lamp.
S2SL/S2ES/BS



NAVLED - Navigational L.E.D.

The S2SL/NA/___-R NAVLED - Navigational E.D.
 Lamp E27 comes red as standard and is available in voltages
 12V, 24V, 48V and 230V.
 S2SL/NA/___-R NAVLED



Annunciator Box

The Annunciator Box uses a photo resistor to monitor operation of the main lamp. In the event of the lamp failing the Annunciator will switch over to the second SITELITE. The fault light will come on and a set of alarm contacts in the box will close. The faulty lamp must be replaced and the reset button pushed to cancel the alarm condition. The day/night switch circuit is also built into the box with a convenient remote mounting sensor. All voltages are available.



Q920 Internal Mast Beacon

The S2SL/BH/Q920 Internal Mast Beacon is also available with a wire protective grid.
S2SL/BH/Q920

