

## TECHNICAL DATA SHEET

The 10 Candela beacon incorporates 128 LED's and has a power rating of approximately 8 watts. The 32 Candela beacon incorporates 192 LED's and has a power rating of approximately 12 watts.

The light is emitted through a horizontal beam spread that results in 360° coverage around the obstacle to be marked. These beacons have a peak intensity of 100 Cd minimum, and a vertical beam spread (to 50% of peak intensity) of 10°. A vertical distribution with 100 peak Cd minimum at +6° and +10° above the horizontal and not less than 10Cd at all elevation angles between -3° and +90° above the horizontal.

Code No:	Voltage:	Light Source:	Current:	Mode:	Effective Cd:
OLS-01-10-02	12v Ac/Dc	Red LED	0.67	Static	10
OLS-02-10-02	24v Ac/Dc	Red LED	0.33	Static	10
OLF-02-10-02	24v Ac/Dc	Red LED	0.33	Flashing	10
OLS-04-10-02	230v Ac/Dc	Red LED	0.04	Static	10
OLF-04-10-02	230v Ac/Dc	Red LED	0.04	Flashing	10
OLS-02-32-02	24v Ac/Dc	Red LED	0.50	Static	32
OLF-02-32-02	24v Ac/Dc	Red LED	0.50	Flashing	32
OLS-04-32-02	230v Ac/Dc	Red LED	0.05	Static	32

### Key Features include:

- Connection terminals except up to 2.5mm cable incorporating rising clamp protectors
- Maximum input power cable O/D is 7mm
- Voltage Tolerance: for 12-24v +/-5%, 230v +/- 10%
- Operating Temperature: -25c to +45c
- Case Material: Lens & Base is UV Stable Polycarbonate Plastic, fixings are Aluminium & Stainless Steel
- Weatherproof to IP66

### Optional Equipment

- 50001 Mounting Bracket
- 50010 Cage Guard - cannot be used in conjunction with mounting bracket



## INSTALLATION & TECHNICAL INFORMATION

PLEASE READ PRIOR TO INSTALLATION



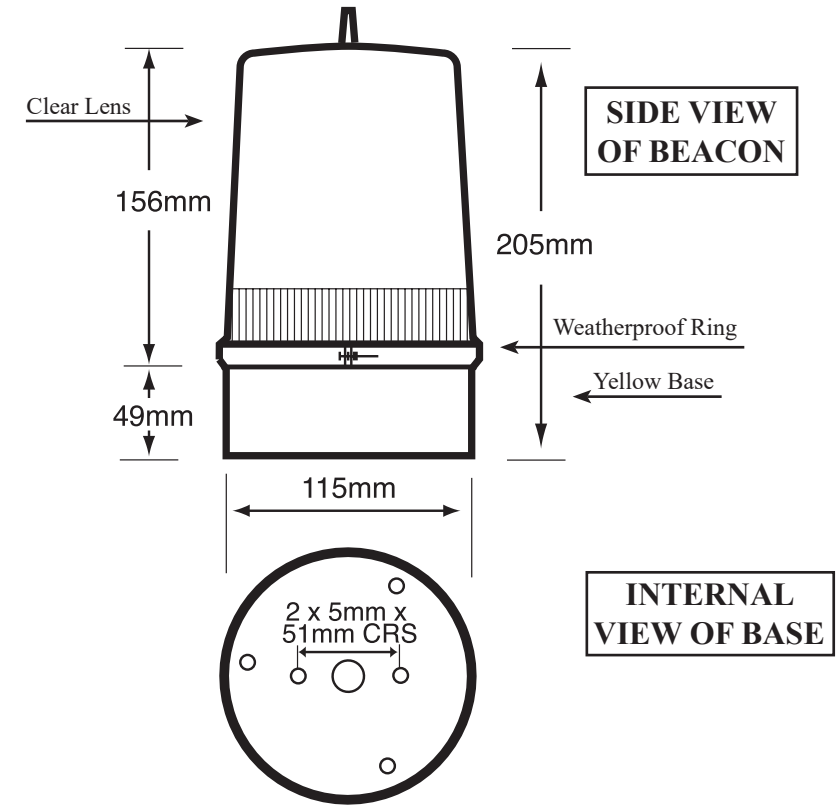
**10 & 32 Candela Series - (ICAO Approved)**  
LOW INTENSITY OBSTACLE MARKING LIGHTS

APPROVED AND  
CONFORMITIES



## INSTALLATION DATA SHEET

- Loosen the M3 screw that retains the Aluminium Weatherproof ring around the lens & base, just enough to allow the ring to be lifted clear of the beacon.
- Twist the Lens firmly one turn clockwise to remove it from the base.
- Remove the 3 No:4 screws that fix the mounting plate onto the base, ensure that the 3 mounting spacers are retained on the screws, on the opposite side of the plate.
- Fix the base to the required surface/bracket, utilising the rubber gasket provided, with 2xM4 screws (not supplied).
- Pierce the cable grommet in the base of the unit.
- Insert supply cable (maximum 7mm diameter) through the grommet and cable clip situated in front of the terminal block, allowing enough cable to make connections to the terminal block.
- Note: The supply cable must be pulled back 10mm through the grommet to make a weatherproof seal.
- Connect power cable to terminal block.
- Position mounting plate fixing screws over the 3 internal wall base lugs & evenly screw mounting plate into position.
- Carefully screw in the LED array, tightening it fully into the lampholder by placing your fingers onto the lower clear plastic moulding, above the lamp holder thread. Do not tighten using the top of the array.
- Ensure the base O ring is in position and not twisted on the base spigot lip. Place lens back onto base turning anti-clockwise to seal lens to base.
- Place Aluminium Weatherproof ring back over the lens and base lips and carefully secure in place to ensure a good weather proof seal.



## Terminal Block Connections

For 230v Ac or Dc supply		
No	Mode	Colour
1	Neutral	Blue
2	Earth/Ground	Green / Yellow Stripe
3	Live	Brown

For 12 - 24v Dc or Ac supply		
No	Mode	Colour
1	Negative / Neutral	Black
2	n/a	n/a
3	Positive / Live	Red

## General Installation Notes

- Installation MUST be carried out in accordance with latest codes of practice.
- Ensure power source is disconnected prior to installation or maintenance to avoid electrical shock.
- Environmental exposure conditions during installation should be dry NOT moist or wet.
- The lens & base of the unit are polycarbonate plastic. Do not clean with petroleum based cleaners.
- To maintain the IP66 weatherproof rating the beacon MUST be mounted with the lens above the base.
- Avoid mounting the beacon where it will be subject to excessive vibration.

