

CTL-414-001 Centre Line Light

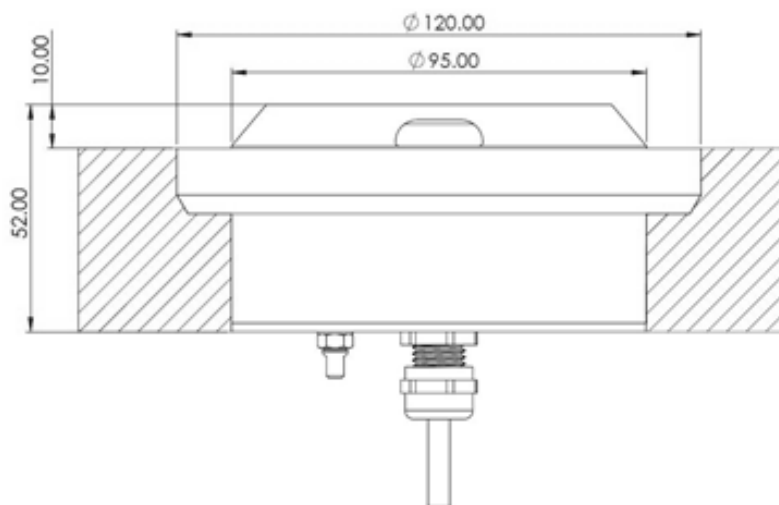
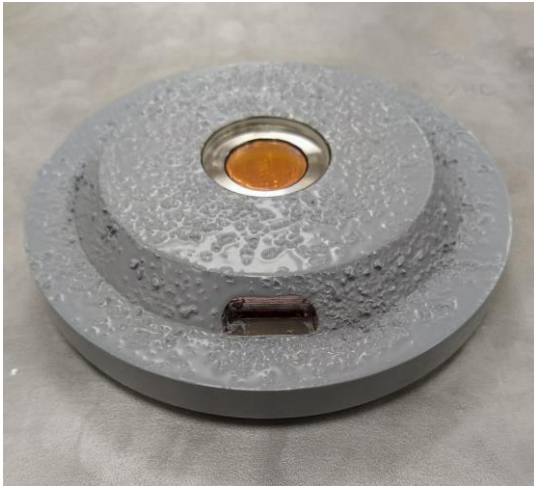
A low profile, NVG compliant flight deck centre line light using LED technology, with robust design and construction suitable for the most challenging of environments. Two emitters provide visual landing cues for final approach and low hover modes.

Features

- LED technology - low power, high reliability
- NVG compliant
- Rugged construction, stainless steel housing
- Fully weather sealed
- Low profile, only 10mm above deck

Options

- Low hover LED can be supplied in a range of colours
- Deck mounting interface can be adapted to customer requirements





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Certified to ISO9001:2015

Specification

| | | |
|----------------------|---|--|
| Dimensions | Ø120 x 52mm (without deck interface) | |
| Weight | < 5kg | |
| Optical output | High Hover Lighting Peak intensity 50cd (+/-10cd). Elevation: Visible over 0 - 35° above horizontal Peak at 15° (+/-2°) Azimuth: +/- 20° FWHM +/- 40° with > 10% peak intensity Light intensities can be modified for other variants | Low Hover Lighting Peak intensity 30cd (+/-10cd). Elevation: Visible over 40 - 140° above horizontal (provisional) Other details dependent on light output colour. Light intensities can be modified for other variants |
| NVG compliance | To meet requirements of medium range line-up light per Def Stan 02-587 Part 3 Class B NVIS radiant intensity (NRI _B) to be in range 1.0E-5 - 3.0E-4 W/sr at night-time levels. | |
| Material | Stainless steel 316L Visible surfaces (when deck mounted) finished in non-slip paint. Paint specification can be modified to customer requirements. | |
| Mechanical interface | 3 x M6 holes on a PCD of 107mm to mount to Deck interface. Deck interface can be adapted according to customer requirements. | |
| Mechanical strength | The unit can withstand vertical loading of 6,900kN/m ² , and shear loading of 200kN/m ² . | |
| Temperature range | -40°C to +55°C | |
| IP rating | IP67 | |
| Electrical interface | 24V DC power input, 5m flying lead for junction box connection. | |
| Dimming control | 18-32V DC, 1kHz PWM for 100% - off | |
| Maintenance | LED modules are replaceable | |
| Standards | Environmental: IEC 60529, IEC 60068-2 Electrical/EMC: MIL-STD 461 | |

Consolite is a long-established leader in night vision lighting for military platforms, designing and manufacturing lighting systems for NVGs for over 25 years, including lighting for aircraft, ships and ground use.

Consolite's design facility permits the calculation of lighting requirements for spaces from a single compartment to an entire ship.

Consolite's test facility includes the latest equipment required for testing night vision compliance to any relevant standard plus goniophotometric equipment for full 360 degree light characterisation of luminaire output.