



Consolite® Technology Ltd

St. Martins Business Park, Bells Lane, Zeals, Wiltshire, BA12 6LY, UK

Tel: +44 (0) 1747 840900 - E mail: sales@consolite.co.uk

Certified to ISO9001:2015

CTL-314 Automatic Emergency Lanterns, LED

A range of automatic emergency lanterns (AELs) based on LED technology.

Robust design and construction makes them suitable for the most challenging of environments.

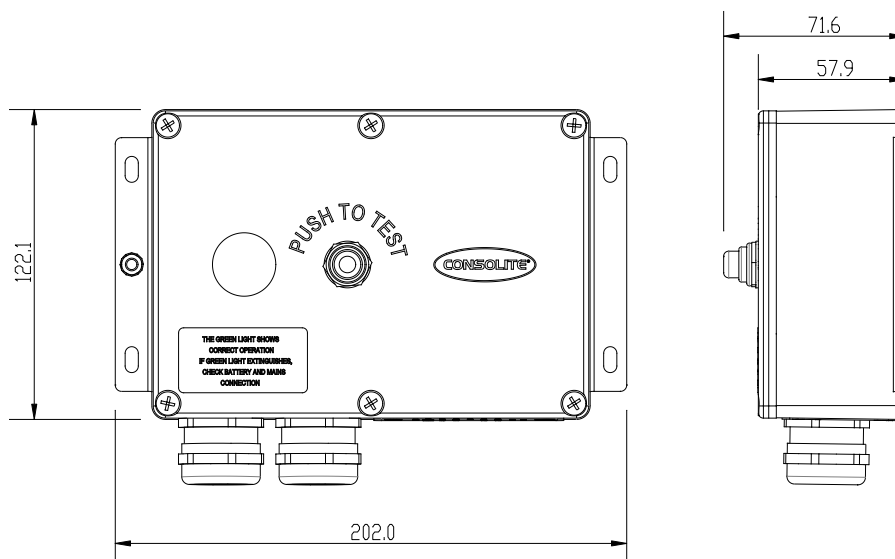
NVG compliant and EX variants available.

Features

- LED technology - low power, high reliability
- High output, neutral colour white light
- Rugged construction, extruded aluminium housing
- White powder coated finish for full protection
- Up to 6 hours illumination on battery
- 16 hours to full charge
- Push to Test function

Options

- Rear or side connection
- NVG compatibility
- EX compliance Zone 2 IIB T4
- Remote lighting head
- 115V or 230V operation





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Part Number Guide

P/No 115V AC	P/No 230V AC	Function	IP	Dimensions (excl. cable glands) (mm)	Weight (kg)
CTL-314-001	CTL-314-006	AEL	66	202.0 x 122.1 x 71.6	1.2
CTL-314-002	CTL-314-007	AEL, NVG compliant	66	202.0 x 122.1 x 71.6	1.2
CTL-314-003	CTL-314-008	AEL, EX Zone 2 *	66	Drive box: 202.0 x 122.1 x 71.6 / Light head: 139.7 x 65.0 x 57.9	1.2/0.4
CTL-314-005	CTL-314-009	AEL, rear connected	66	202.0 x 122.1 x 71.6	1.1

Charge time 16 hrs for all variants. Illumination time on battery is dependent on ambient temperature.

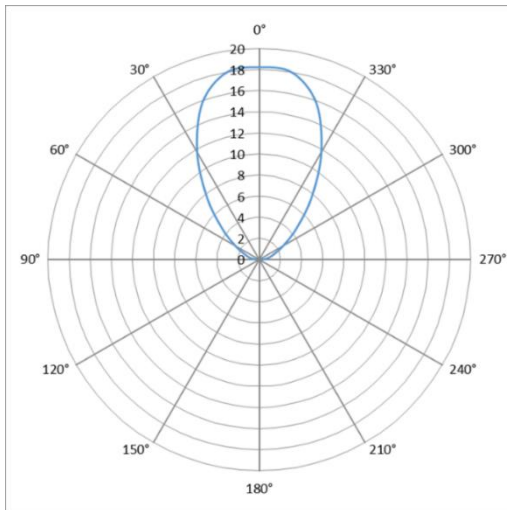
6 hrs +15° to +30°C

4 hrs -5° to +45°C

3 hrs -30° to +55°C

* ATEX variants use a separate enclosure for the light head and a remote drive box. Full details are on the relevant interface drawings.

Light output distribution (cd)



IES/LDT files available on request

Standards

Electrical Installations in ships: Luminaires and Lighting Accessories IAW BS IEC 60092-306

Incorporating the following:

- Degrees of protection provided by enclosures IAW BS EN 60529
- Electrical safety IAW BS EN 60598-1
- Impact (Mechanical Strength) IAW BS EN 60598-1
- EMC, emissions and immunity BS EN 60945
- Environmental testing IAW IEC 60068

Luminaires for emergency lighting BS EN 60598-2-22

Photo-biological safety of lamps and lamp systems IAW BS EN 62471

Night Vision Device (NVD) compatibility IAW DEF STAN 02-587 Part 3

Total Harmonic Distortion (THD) IAW Lloyds Rules and Regulations 2018

Mechanical Shock in Naval Vessels IAW MAP 01-470

RoHS Directive IAW 2011-65-EU

WEEE Producer Registration Number WEE/AU676OYF

EX certified versions : II 3G Ex mc IIB T4 Gc

- General requirements IAW EN IEC 60079-0
- Increased safety "e" IAW EN IEC 60079-7

Installation:

Installation details in CTL-314-XXX-Non-EX-INST or CTL-314-XXX-EX-INST.

Connection points detailed in CTL-314-XXX-ID & CTL-314-XXX-Non-EX-INST or CTL-314-XXX-EX-INST

Consolite is a long established leader in night vision lighting for military platforms, designing and manufacturing lighting 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 any space 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.