



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

www.consolite.co.uk - Certified to ISO9001:2015

CTL-461 General Lighting Luminaire, LED, Exterior, EX Zone 1

A surface mounting, general lighting LED luminaire suitable for exterior or interior use. Robust design and construction make it suitable for the most challenging of environments where ATEX Zone 1 protection is required.

LED technology - low power, high reliability
High output, neutral colour white light
Rugged construction, extruded aluminium housing
Painted grey for full corrosion protection
IP67 rated for full weatherproofing
Front grill fitted for additional impact protection

Explosion proof, ATEX Zone 1
Simple installation
115V or 230V AC operation
Two cable glands to permit daisy chaining
Dual modes for secondary light output mode



1800lm variant



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Part Number Guide

P/No 115V	P/No 230V	Function	Output (lm)	IP Rating	Power (W)	Dimensions (mm)	Weight (kg)
CTL-461-110	CTL-461-510	Single mode – full bright white	1800	67	28	740 x 85 x 112	4.0
CTL-461-111	CTL-461-511	Single mode – white, dimmable	1800	67	28	740 x 85 x 112	4.0
CTL-461-120	CTL-461-520	Dual mode – bright white + LLW	1800/18	67	28/5	740 x 85 x 112	4.0
CTL-461-121	CTL-461-521	Dual mode – bright white + LLW, 2 neutrals	1800/18	67	28/5	740 x 85 x 112	4.0
CTL-461-122	CTL-461-522	Dual mode – bright white + red safety	1800/18	67	28/5	740 x 85 x 112	4.0
CTL-461-130	CTL-461-530	Dual mode – bright white + LLW NVG	1800/18	67	28/5	740 x 85 x 112	4.0
CTL-461-131	CTL-461-531	Dual mode – bright white + LLW NVG, 2 neutrals	1800/18	67	28/5	740 x 85 x 112	4.0
CTL-461-133	CTL-461-533	Dual mode – bright white + LLW enhanced NVG output	1800/40	67	28/8	740 x 85 x 112	4.0
CTL-461-134	CTL-461-534	Dual mode – bright white + green NVG	1800/18	67	28/5	740 x 85 x 112	4.0
CTL-461-135	CTL-461-535	Dual mode – bright white + green NVG, 2 neutrals	1800/18	67	28/5	740 x 85 x 112	4.0
CTL-461-136	CTL-461-536	Dual mode – bright white + green enhanced NVG output	1800/40	67	28/5	740 x 85 x 112	4.0
CTL-461-140	CTL-461-540	Single mode – full bright white	3600	67	48	1209 x 85 x 112	5.7
CTL-461-141	CTL-461-541	Single mode – white, dimmable	3600	67	48	1209 x 85 x 112	5.7
CTL-461-150	CTL-461-550	Dual mode – bright white + LLW	3600/36	67	48/8	1209 x 85 x 112	5.7
CTL-461-151	CTL-461-551	Dual mode – bright white + LLW, 2 neutrals	3600/36	67	48/8	1209 x 85 x 112	5.7
CTL-461-152	CTL-461-552	Dual mode – bright white + red safety	3600/36	67	48/8	1209 x 85 x 112	5.7
CTL-461-160	CTL-461-560	Dual mode – bright white + LLW NVG	3600/36	67	48/8	1209 x 85 x 112	5.7
CTL-461-161	CTL-461-561	Dual mode – bright white + LLW NVG, 2 neutrals	3600/36	67	48/8	1209 x 85 x 112	5.7
CTL-461-163	CTL-461-563	Dual mode – bright white + LLW enhanced NVG output	3600/80	67	48/8	1209 x 85 x 112	5.7
CTL-461-164	CTL-461-564	Dual mode – bright white + green NVG	3600/36	67	48/8	1209 x 85 x 112	5.7
CTL-461-165	CTL-461-565	Dual mode – bright white + green NVG, 2 neutrals	3600/36	67	48/8	1209 x 85 x 112	5.7
CTL-461-166	CTL-461-566	Dual mode – bright white + green enhanced NVG output	3600/80	67	48/8	1209 x 85 x 112	5.7
CTL-461-170	CTL-461-570	Single mode – NVG green	1800	67	28	740 x 85 x 112	4.0

ATEX rating (to be confirmed): **II 2 G Ex eb mb IIC T5 Gb ← Gas**
II 2 D Ex tb IIIC T80°C Db ← Dust

Non EX-rated variants and EX Zone 2 units are also available, shown on separate datasheets.



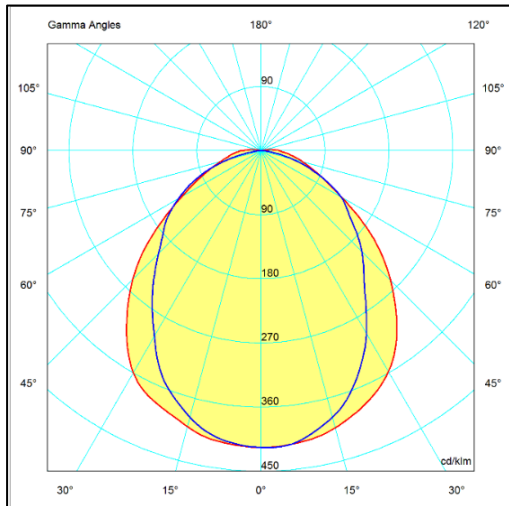
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Light output distribution



IES/LDT files available on request

Standards

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

Incorporating the following standards:

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

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

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

Dual Mode Lighting DEF STAN 02-587 Parts 1 & 3

Total Harmonic Distortion (THD) Lloyds Rules and Regulations 2018

Radiated Susceptibility – Test No DRS02.B IAW DEF STAN 59-411-Part 3

Mechanical Shock in Naval Vessels MAP 01-470

RoHS directive IAW 2011/65/EU

Potentially Explosive Atmospheres Directive * 2014/34/EU

General Requirements EN IEC 60079-0

Increased safety “e” EN IEC 60079-7

Protection type “m” EN 60079-18

Protection type “t” EN 60079-31

* Certificate Number: ExVeritas 21 ATEX 1010X

WEEE Producer Registration Number WEE/AU676OYF

Installation

Installation details provided in CTL-461-XXX-EX-Zone-1-INST.

Connection details provided in CTL-461-XXX-ID & CTL-461-XXX-EX-Zone-1-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.