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

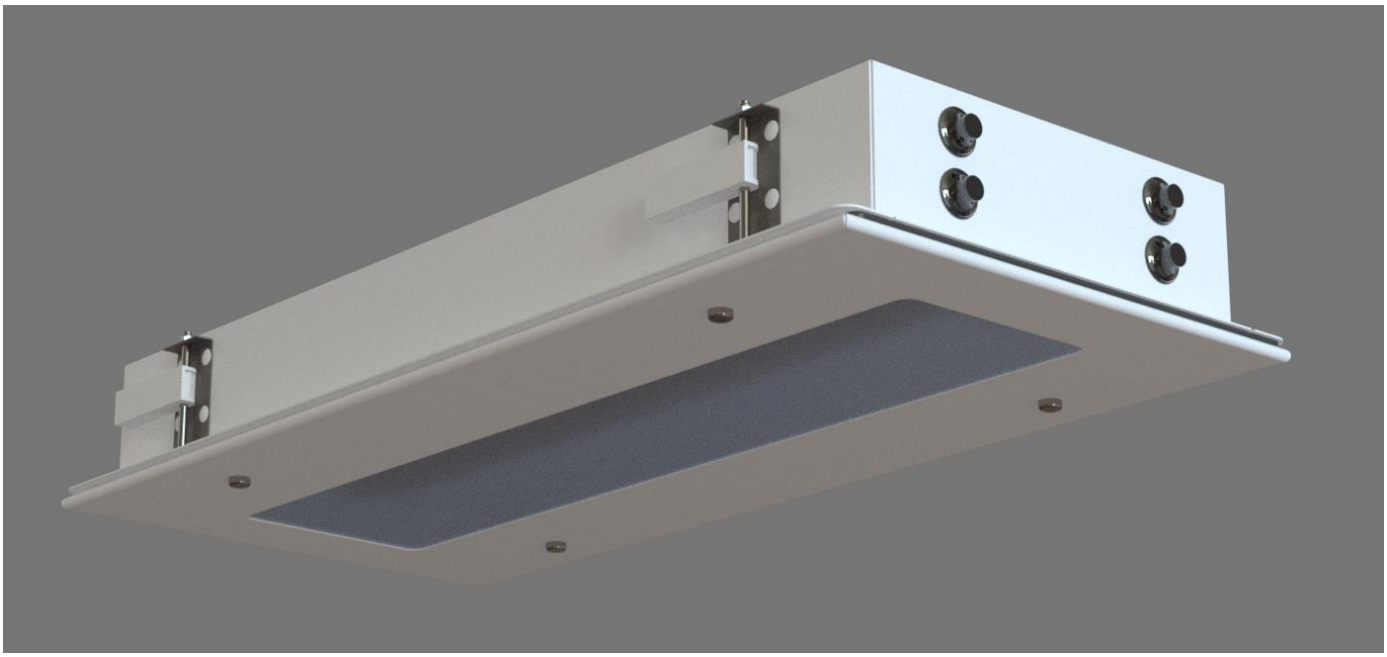
CTL-424 Recessed Ceiling LED Luminaire

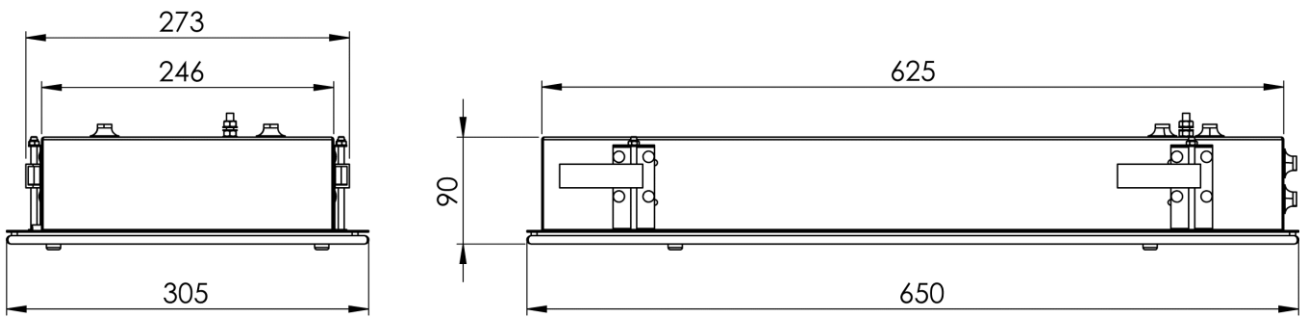
A range of interior ceiling mounted, recessed, general lighting LED luminaires for a wide variety of applications, offering different lighting modes. Supplied with adjustable mounting brackets to fit a variety of ceiling types.

Features
LED technology - low power, high reliability
High output, neutral colour white light
Rugged construction, steel housing
Recessed mounting in various ceiling types
Deckhead support strap for extra security

Options
Second mode low level dark adaptation
NVG compatibility
Stainless steel IP66 version for food preparation areas
EMC Glands for shielded cables

Two sizes broadly match the outputs of 2 x 18W (2ft) and 2 x 36W (4ft) fluorescent units. Smaller size shown below:





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

Part Number Guide

Part numbering has the following structure. All take the form CTL-424-XYZ, where X,Y,Z have the following values.

X: Control Type	Y: Modes & NVG	Z: 2nd Mode
0 – Fixed output	1 – 2ft Single Non-NVG	0 – None
1 – Dimmable by room dimmer	2 – 2ft Dual Non-NVG	1 – Low Level White (2-5lx)
2 – Local dimming	3 – 2ft Dual NVG	2 – Low Level White Enhanced (2-5lx)
3 – Fixed output + battery back-up	4 – 4ft Single Non-NVG	3 – Low Level Green (2-5lx)
4 – Dimmable by room dimmer + battery back-up	5 – 4ft Dual Non-NVG	4 – Low Level Red (2-5lx)
5 – Local dimming + battery back-up	6 – 4ft Dual NVG	5 – Ultra Low Level White (0.5lx)

Special part number	Description
CTL-424-901	Vandal proof fitting (fixed output, 2ft, single mode, non-NVG)
CTL-424-902	Galley light, stainless steel bezel, flame proof glass exit window (fixed output, 2ft, single mode, non-NVG)
CTL-424-906	Vandal proof fitting (fixed output, 2ft, single mode, non-NVG) + battery back-up

Common parameters are:

P/No	Equivalent Fluorescent	Output (lm)	IP	Voltage V AC	Power W	Overall Dims mm	Ceiling Cut-Out Dims mm	Weight kg
2ft units	2 x 18W	1800	44	96 – 275	28	650 x 305 x 90	630 x 285	7.5
4ft units	2 x 36W	3600	44	96 – 275	55	1260 x 305 x 90	1240 x 285	11.5

Examples

Single mode, bright white, 1800lm unit is **CTL-424-010**
Dual mode, bright white/NVG low level white, dimming by room dimmer, battery back-up is **CTL-424-431**
Stainless steel variants are also available with a separate numbering system. Please enquire for details.

Standards

Electrical Installation in ships: Luminaires and Lighting Accessories IAW BS IEC 60092-306
Degrees of protection provided by enclosures IAW BS EN 60529
Electrical Safety IAW BS EN 60598-1
EMC, emissions and immunity IAW BS EN 60945
Environmental testing IAW IEC 60068
Photo-biological Safety of Lamps and Lamp Systems IAW BS EN 62471
Night Vision Device (NVD) compatibility IAW DEF STAN 02-587 Part 3
Dual Mode Lighting IAW DEF STAN 02-587 Parts 1 & 3
Total Harmonic Distortion (THD) IAW Lloyds Rules & Regulations 2018
Mechanical Shock in Naval Vessels IAW MPA 01-470
RoHS directive IAW 2011/65/EU
WEEE Producer Registration Number WEE/AU676OYF

Installation

Installation detailed in CTL-424-INST. Connection points detailed in CTL-424-XXX-ID & CTL-424-INST.

Light output distribution

IES/LDT files available on request

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 characterisation of luminaire light output.