

Indoor **LED Linear Light** ECO series

ENERGYS™

NEWVISION
TRIDONIC



- ▶ **Slimline low profile design**
- ▶ **Over 135lm/W fixture efficacy**
- ▶ **5 year manufacturer's warranty**
- ▶ **Front access for easy servicing**
- ▶ **Designed with multiple mounting options**
- ▶ **Non-flicker driver**
- ▶ **Emergency versions available with Tridonic standard or self-test emergency drivers**

A range of cost-effective LED light fittings for replacing existing 600mm to 1800mm linear light fittings, available in standard and emergency configurations.

Key Features:

The New Vision Indoor Linear Light range is both modern and stylish, they are designed for indoor use such as in offices and classrooms.

All models use the latest generation of LED chips and non-flicker New Vision drivers, a way balanced product on performance, reliability and cost effectiveness.

This excellent efficacy has allowed us to run at significantly lower powers to achieve the required light output resulting in very substantial energy savings - typically between 55% and 65% savings when compared to traditional fluorescent fittings.

This fitting is manufactured to be assembled and disassembled very quickly from the front to simplify future servicing, saving time and costs in the long run.

Simple, easy to use clips make installation simple and the range covers 600mm to 1800mm and so offers an alternative for fluorescent fittings.

Emergency versions are also available utilising either standard Tridonic emergency drivers or Tridonic automatic self-test drivers for complete peace of mind.

In a typical use the energy savings from conversion from fluorescent fittings give paybacks within 2.5 to 3.0 years.

Technical Overview

Product Code	Dimensions Length x Width x height (Weight)	Chips		Lamp				
		CRI	Efficacy	Photometric		Electrical		
				Efficacy	Lumen	Input Voltage	Input current @ 240Vac	System Power
LIE-02006-840-A01	600 x 202 x 83mm	>80	190 lm/W	135 lm/W	810 lm	220-240 Vac (50/60Hz)	25 mA	6.0 W
LIE-02012-840-A01		>80	190 lm/W	135 lm/W	1,620 lm		50 mA	12.0 W
LIE-04012-840-A01	1200 x 202 x 83mm	>80	190 lm/W	135 lm/W	1,620 lm		50 mA	12.0 W
LIE-04025-840-A01		>80	190 lm/W	135 lm/W	3,375 lm		104 mA	25.0 W
LIE-05018-840-A01	1500 x 202 x 83mm	>80	190 lm/W	135 lm/W	2,430 lm		75 mA	18.0 W
LIE-05035-840-A01		>80	190 lm/W	135 lm/W	4,725 lm		146 mA	35.0 W
LIE-06025-840-A01	1800 x 202 x 83mm	>80	190 lm/W	135 lm/W	3,375 lm		104 mA	25.0 W
LIE-06040-840-A01		>80	190 lm/W	135 lm/W	5,400 lm		167 mA	40.0 W

notes

- Standard product CCT is 4000K, for 2700K or 6000K, replace 840 in code with 827 or 860
- 2700K products will yield 5% less efficacy and therefore 5% less light output
- Efficacy between Chip and Lamp level differs due to optical & driver losses

Specifications	
Operating temperature	-25 to +40°C
Driver life expectancy	50,000 hours (MTBF @ta=25°C)
Lumen maintenance @ max. power @ ta=25°C	L90 B10 @ 35,000 hours
	L80 B10 @ 65,000 hours
	L70 B10 @ 100,000 hours
Warranty	7 years (3 years on batteries)
Protection rating	IP44 Front, IP20 Back
Diffuser Material	Polycarbonate
Body material	Cold rolled steel

OPTIONS		
<u>Emergency Module</u>		
Replace A01 with A12/A22	Self-Test	Manual Test

- Emergency option is integral

Compliance	
Low Voltage (Safety) Directive 2014/35/EU	
EN 60598-1	
EN 60598-2	
EMC Directive 2014/30/EU	
EN 55015	EN 61000-3-2
EN 61547	EN 61000-3-3
EN 62493	
LED Drivers	
EN 61347-1	EN 62384
EN 61347-2-13	
Emergency Drivers	
EN 50172	EN 62384
EN 60598-22	EN 600068-2-29
EN 61347-2-7	EN 60068-2-30
EN 61347-2-13	EN 60068-2-64
SELV 60	CE
	
	ROHS

Emergency Kit Details		Mains Current / Power in charging operation	
Brand	TRIDONIC	Initial charge	27mA / 4.0W
Time to light	<0.25s	Fast recharge	30mA / 4.3W
Mains voltage changeover threshold	EN 60598-2-22	Trickle charge	20mA / 2.3W
Self test (self test version only)	IEC 92034		
Weekly functional test	5 seconds		
Yearly duration test	1,2 or 3 hours		
Rated duration	3hrs @3.7W		
Battery	3.6V (3.1.2V), 4,000mAh, Ni-MH		