

LED IP65 Linear Light

ENERGYs™



NEWVISION
TRIDONIC

- Slimline low profile design
- Over 135lm/W fixture efficacy
- Over 100,000 hours life expectancy
- 7 year manufacturer's warranty
- Fully enclosed, rated IP65 and IK05
- Simple clip system for easy ceiling mounting
- Emergency versions available with Tridonic standard or self-test emergency drivers



A range of modern stylish weather proof LED lights in sizes from 600mm to 1800mm, for both slim and wide series

Key Features:

The New Vision range of linear LED fittings are both modern and stylish, they can be used in virtually any situation from car parking and external utility lighting to offices and classrooms.

All of the models use the latest generation of LED chips giving fixture lumens (i.e. inclusive of all driver and optical losses) of over 135 lumens per watt. 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 65% and 75% savings when compared to traditional fluorescent fittings.

This fitting is manufactured with high strength polycarbonate plastic with an impressive IP65 and IK05 rating, allowing it to be used in any environment.

Simple, easy to use clips make installation simple and the range covers all sizes from 600mm to 1800mm and so offers an alternative for every size of fluorescent fitting.

Emergency versions are also available utilising either standard Tridonic emergency drivers or Tridonic auto 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.

IP65 Linear

Family : Weather Proof / IP65 Linear / TPS & TPL

Technical Overview

Product Code	Dimensions Length x Width x height	Chips		Lamp				
		CRI	Efficacy	Photometric		Electrical		
				Efficacy	Lumen	Input Voltage	Input current @ 240Vac	System Power
Slim								
TPS-02008-840-S01	600 x 80 x 48mm	>80	190 lm/W	135 lm/W	1,080 lm	220-240 Vac (50/60Hz)	33 mA	8.0 W
TPS-02015-840-S01		>80	190 lm/W	135 lm/W	2,025 lm		63 mA	15.0 W
TPS-04015-840-S01	1200 x 80 x 48mm	>80	190 lm/W	135 lm/W	2,025 lm		63 mA	15.0 W
TPS-04030-840-S01		>80	190 lm/W	135 lm/W	4,050 lm		125 mA	30.0 W
TPS-05021-840-S01	1500 x 80 x 48mm	>80	190 lm/W	135 lm/W	2,835 lm		88 mA	21.0 W
TPS-05042-840-S01		>80	190 lm/W	135 lm/W	5,670 lm		175 mA	42.0 W
TPS-06030-840-S01	1800 x 80 x 48mm	>80	190 lm/W	135 lm/W	3,240 lm		100 mA	24.0 W
TPS-06048-840-S01		>80	190 lm/W	135 lm/W	6,480 lm		200 mA	48.0 W
Wide								
TPL-02008-840-S01	600 x 120 x 65mm	>80	190 lm/W	135 lm/W	1,080 lm	220-240 Vac (50/60Hz)	33 mA	8.0 W
TPL-02015-840-S01		>80	190 lm/W	135 lm/W	2,025 lm		63 mA	15.0 W
TPL-04015-840-S01	1200 x 120 x 65mm	>80	190 lm/W	135 lm/W	2,025 lm		63 mA	15.0 W
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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	100,000 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	IP65 / IK05	
Body material	Polycarbonate	

OPTIONS

Emergency Module		
Replace S01 with	Self-Test	Manual Test
	S11	S21

- TPS emergency option need a separate Emergency Box Kit
- TPL 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
LIA Verified	
LIA Tested	

Emergency Kit Details

Brand	TRIDONIC	
Time to light	<0.25s	
Mains voltage changeover threshold	EN 60598-2-22	
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	
Mains Current / Power in charging operation		
Initial charge	27mA / 4.0W	
Fast recharge	30mA / 4.3W	
Trickle charge	20mA / 2.3W	