LED *IntelliDim* *Backlit Panel*

energys™

theLIA
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NEWVISION
TRIDONIC

- **Backlit design for maximised efficacy and comfort**
- **Fully automatic standalone setup with smart phone APP controls**
- **Over 125lm/W fixture efficacy**
- **7 year manufacturer's warranty**
- **Over 100,000 hours life expectancy**
- **IntelliDim ready**
- **Emergency versions available with Tridonic standard or self-test emergency drivers**
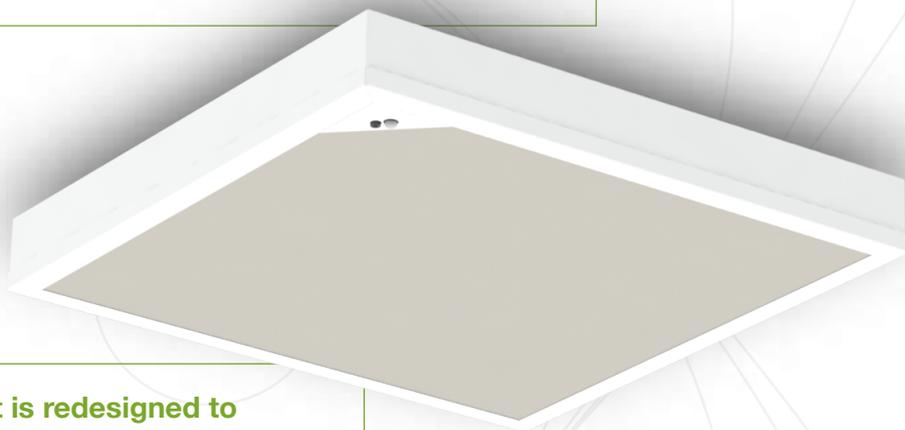
New Vision's panel light is redesigned to produce higher efficacy for maximised savings thanks to new backlit configuration.

Key Features:

Advanced LED chips with efficacy of over 190 lumens per watt, giving 125 lumens per watt on the overall fixture performance inclusive of driver and optical losses. The IntelliDim system is a plug & play luminaire with no additional complicated wiring. Smart phone APP allows the commissioning of precise light level to maximise energy saving, as well as setting parameters for occupancy time out and daylight harvest in a seamless and comfotable dimming. Typically a further 10% to 30% savings on top of the LED upgrades from traiditonal lamps.

Low glare index due to the even spread of light over a large surface area makes these light fittings ideal for schools, offices, hospitals, factories; indeed anywhere where computers are used, or where staff or building users are focused on tasks for lengthy periods of time.

All metal housing together with a TPa grade polycarbonate diffuser means that there is no glass, mercury or other hazardous substances (unlike fluorescent lamps) making these light fittings not only energy efficient but also environmentally friendly and very safe.

A complete range of mounting options for all ceiling types as well as fitting sizes designed to directly replace any existing fluorescent tube lights in order to minimise if not eliminate any problems with 'making good'.

Backlit Panel - IntelliDim®

Technical Overview

Product Code	Dimensions Length x Width x height (Weight)	Chips		Lamp				
				Photometric		Electrical		
		CRI	Efficacy	Efficacy	Lumen @max. power	Input Voltage	Input current @ 240Vac	System Power (max.)
PBB-22050-840-T01	595 x 595 x 80mm	>80	190 lm/W	125 lm/W	6,250 lm	220-240 Vac (50/60Hz)	208 mA	50.0 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	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	
Protection rating	IP44 Front, IP20 Back	
Diffuser Material	Polycarbonate	

Other Options (Please check with your local distributor)
- Compatible with NV Emergency Boxes
- Available with other diffuser materials, such as Low-Glare & TP(b)

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	
SELV 60 CE	☒ ROHS
LIA Verified	