




## LED Ceiling Panels


<b>REPLACES:</b> T8 & T5 fluorescent tubes, PL-L 2G11 lamps, 600x600 & 1200x600 grids.	<b>CHIP BRAND:</b> Epistar	<b>SUITABLE FOR:</b> Production areas, leisure facilities, retail, commercial office space, accent lighting.	<b>COLOUR TEMPERATURE:</b>  DAYLIGHT 5.7-6K  NATURAL 4-4.3K  WARM 3.3-3K
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The LED By Vision™ LED panel is one our most simplistic yet impressive products to have been developed. At less than 10mm in depth this modular fitting simply drops into an existing suspended ceiling and can be fitted in non-suspended ceilings with a mounting kit.

Available in a range of sizes our panel is comprised of aluminium circuit boards that support low heat generation and rapid heat transfer to aid dissipation. Coupled with a pure aluminium heat sink and backing plate gives the panel a phenomenal thermal management system.

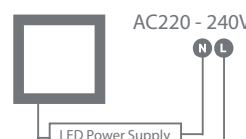
Our panels have been engineered keeping in mind that office based environments may require light delivery via a lens with a Unified Glare Rating (UGR) to ensure current standards are met. We have developed an optional diffuser with a rating of UGR19, made from PMMA Acrylic and allowing in excess of 95% light transmission along with even uniformity.

Finally we use the latest Epistar chip technology and edge-lit circuitry to deliver what we feel is one of the best made panels in the UK market.



**5 YEAR GUARANTEE**

**WIRING DIAGRAM:**


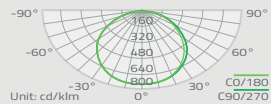


**LAMP SPECIFICATION:**

VOLTAGE AC.....220V – 240V  
 FREQUENCY.....50Hz – 60Hz  
 OP TEMP.....-20°C – 45°C  
 CRI.....>80  
 POWER FACTOR.....>0.95  
 IP RATING.....IP40  
 BEAM ANGLE.....120°  
 LIFESPAN..... 50,000 Hours

LED By Vision™ panels are Dali controllable and dimmable (driver upgrade required).

 50,000 HOURS	 INSTANT ON	 DIMMABLE	 SMD LED'S	 ZERO UV	 NO HARMFUL GASES
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MODEL	POWER	WEIGHT	PRODUCT CODE	COLOUR TEMP	LUMENS	LUMINANCE CONE*	DISTRIBUTION CURVE
600x600	35W	3.32kg	LBVECP35D	DAYLIGHT 5.7-6K	4200lm	 ILLUMINATION(lx) 1 761 2 84 3 31	 Unit: cd/klm C0/180 C90/270
			LBVECP35N	NATURAL 4-4.3K	4100lm		
			LBVECP35W	WARM 3-3.3K	4000lm		
1200x600	45W	15kg	LBVECP45D	DAYLIGHT 5.7-6K	4500lm	 ILLUMINATION(lx) 1 1367 2 148 3 52	 Unit: cd/klm C0/180 C90/270
			LBVECP45N	NATURAL 4-4.3K	4300lm		
			LBVECP45W	WARM 3-3.3K	4100lm		
1200x600	70W	15kg	LBVECP70D	DAYLIGHT 5.7-6K	7500lm	 ILLUMINATION(lx) 1 1738 2 193 3 69	 Unit: cd/klm C0/180 C90/270
			LBVECP70N	NATURAL 4-4.3K	6750lm		
			LBVECP70W	WARM 3-3.3K	6500lm		

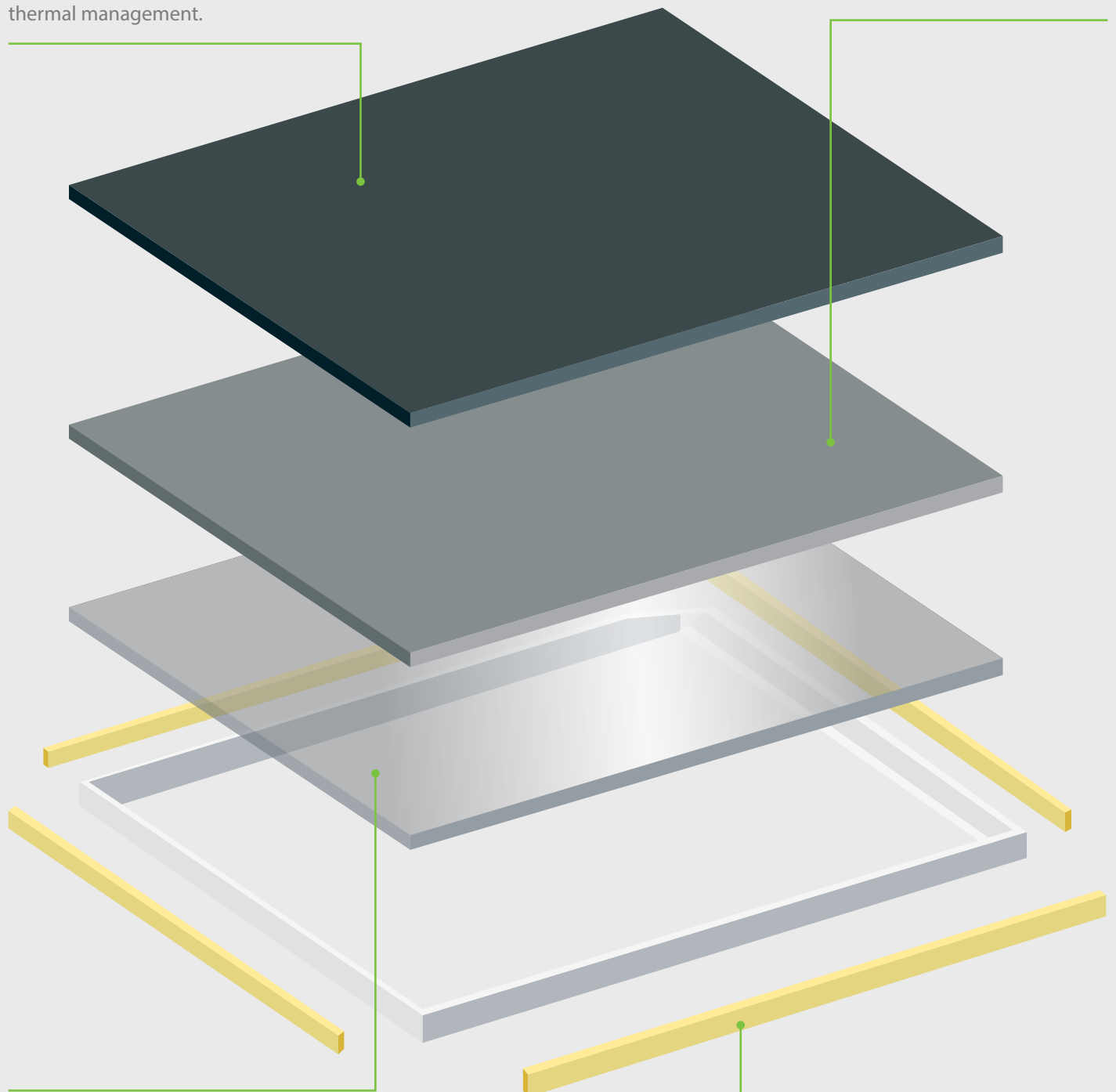
EMERGENCY DRIVER	POWER	PRODUCT CODE	DISCHARGE TIME
The LED By Vision™ Emergency panel is a maintained solution comprised of a standard LED By Vision panel and an external inverter/battery solution. It will deliver the legal lux requirements in the event of a total power loss for a period of 3 hours.	10% - 15%	LBVLEMERDR	>3 Hours

\*Test Conditions: Dark Room, single lamp only. **EMERGENCY DISCLAIMER:** LED By Vision™ is exempt from failures of emergency drivers beyond a 3 year period. LED By Vision™ cannot monitor the necessary testing required to ensure maximum lifespan is achieved. Overcharging can lead to rapidly reduced life-span of any battery solution, we would advise annual inspections are met. Please click the following link for a detailed set of criteria to follow: [www.firesafe.org.uk/emergency-lighting](http://www.firesafe.org.uk/emergency-lighting)

## LED Ceiling Panels

Pure aluminium back plate combined with an aluminium frame which combines to form an intensive heat sink with a large surface area for excellent thermal management.

Aluminium printed circuit board, supporting low heat generation and rapid heat transmission, avoiding heat build-up.



PMMA acrylic lens with a unique design, to allow for 90% light transmission and providing uniform light distribution across the surface area.

Super bright EPISTAR LEDs, with edge-lit circuitry for consistent light output.