

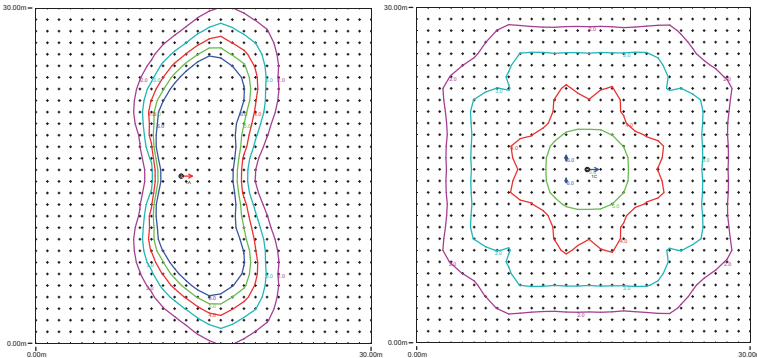
SUGG LED PANEL 30W

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The 30w panel is a single branch of 14 x LED's mounted into a panel, this will fit in a range of Luminaires offering a performance solution to both new & existing schemes, providing the benefits below:

- Fewer luminaires
- Lower energy costs
- Carbon reduction
- Warm colour temperatures
- Improved RA rendering
- Low ongoing maintenance

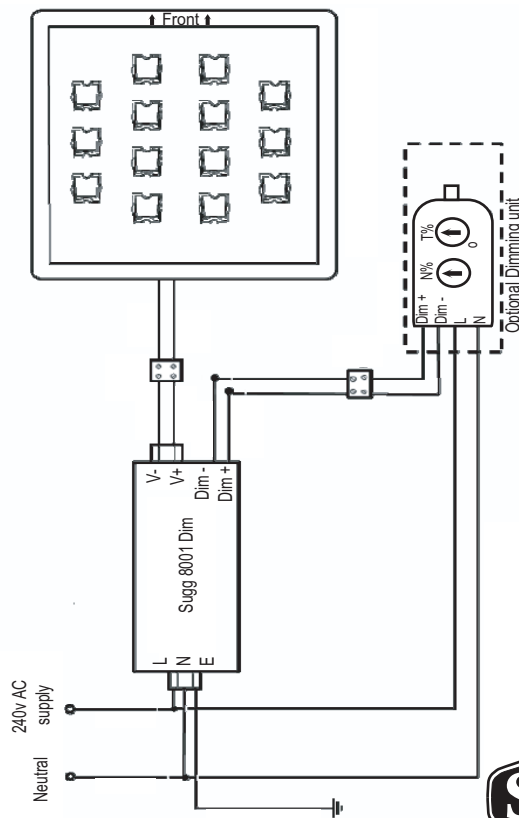
These distributions are both produced at a 5m mounting heights on a 1m grid of 30m x 30m. The left is a road lighting distribution and the right an area distribution.



Sugg lighting 30w LED dimming kit consists of a 30w 14 x LED module fitted with individual lenses, supplied with a constant current driver- (Sugg8001-40 dimmable) driver.

distribution pattern, creating a variety combined distributions providing solutions to suit a wide range of applications.

The non dimming unit is supplied with a constant current driver- (Sugg8001-40 standard) driver, and no dimming unit is required.



LED Constant Current 14 LEDs			
Number of LED	Cree XT-E	14 number	
	Power Supply	Nominal Current	700mA
		Temperature tc	80°C
		Maximum Voltage	48v DC
	Nominal Power	29.4W	
Lumen Efficacy	Using the SLD AC Driver	67 lm/w	
Light Characteristics	Colour Temperature	4000K	
	Luminous Flux	2,332 lm	
	Rendering Index	RA >70	
Lumen Maintenance	L70 B10 (tc =60°C)	> 70,000 h	
Projected Life	TM21 L70 tc=80°C 1000mA	> 36,000 h	
Environmental Considerations	Operating Temps	-25°C>+50°C	
	LED Nominal Current	600mA	
	Board Surface tc	90°C	
	Humidity	20% > 95%	
Circuit Protection	Short Circuit	Auto reset	
	Over Voltage	54-60v	
	Over temperature	85 +/- 10°C	

Existing Schemes

Replacement gear trays can be made to retro fit into existing lanterns providing the benefits below at a reduced unit cost.

- IP65 options for IP54 lanterns
- Improved energy efficiency
- Improved colour rendering RA
- Carbon reduction
- Warm colour temperatures



Tel: 01293 540111 Fax: 01293 540114 Email: sales@sugglighting.co.uk Web: www.sugglighting.co.uk

Sugg Lighting Ltd, Foundry Lane, Horsham, West Sussex, RH13 5PX England

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