



by  
**PhotonStar**<sup>TM</sup>

Award Winning British LED Lighting

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Designed  
& Produced  
in the UK



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# EcoStar 600+

Ultra efficient low maintenance LED downlights for halogen replacement  
Mains Dimming as Standard, also available with UEP Driver

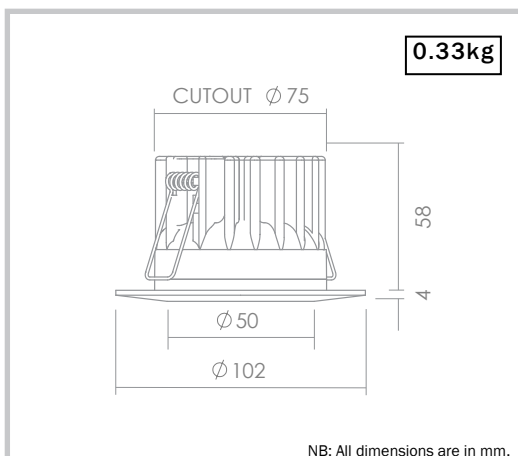


Up To  
**124**  
lm/cW

**MAINS  
DIMMING**

As Standard

	Ultra Warm White <b>2700K Ra80+</b>		Warm White <b>3000K Ra80+</b>		Neutral White <b>4000K Ra80+</b>	
Colour temperature/rendering						
Illuminance comparable to	<b>50W GU10/35W LV halogen</b>		<b>50W GU10/35W LV halogen</b>		<b>50W GU10/35W LV halogen</b>	
Light engine power	<b>4.2W</b>		<b>4.2W</b>		<b>4.2W</b>	
LED lumens (L <sub>100</sub> )	<b>610 lm</b>		<b>628 lm</b>		<b>681 lm</b>	
Delivered lumens (L <sub>100</sub> )	<b>549 lm</b>		<b>565 lm</b>		<b>613 lm</b>	
System power (including driver)	1-1 DVR <b>5.8W</b>	3-1 UEP DVR <b>4.9W</b>	1-1 DVR <b>5.8W</b>	3-1 UEP DVR <b>4.9W</b>	1-1 DVR <b>5.8W</b>	3-1 UEP DVR <b>4.9W</b>
Efficacy (lumens/circuit Watt)*	1-1 DVR <b>95 lm/cW</b>	3-1 UEP DVR <b>111 lm/cW</b>	1-1 DVR <b>98 lm/cW</b>	3-1 UEP DVR <b>115 lm/cW</b>	1-1 DVR <b>106 lm/cW</b>	3-1 UEP DVR <b>124 lm/cW</b>
Approximate lifetime (L <sub>70</sub> F <sub>10</sub> ) / SDCM	<b>50,000 hrs</b>		<b>50,000 hrs</b>		<b>50,000 hrs</b>	
Initial / Maintained SDCM	<b>&lt;3 / &lt;3</b>		<b>&lt;3 / &lt;3</b>		<b>&lt;3 / &lt;3</b>	
Driver Options Available	<b>Yes, Mains Dim, DALI, 1-10V</b>		<b>Yes, Mains Dim, DALI, 1-10V</b>		<b>Yes, Mains Dim, DALI, 1-10V</b>	
Emergency Option Available	<b>Yes, (3-1 UEP DVR N/A)</b>		<b>Yes, (3-1 UEP DVR N/A)</b>		<b>Yes, (3-1 UEP DVR N/A)</b>	
Building Regulations	<b>B<sup>+</sup>, C, E, L</b>		<b>B<sup>+</sup>, C, E, L</b>		<b>B<sup>+</sup>, C, E, L</b>	



NB: EM denotes 3 Hour Non-Self-Test Emergency Pack with BLF of 57.14%  
NB: All Lumen, Power & Efficacy Figures are +/- 10% @25°C Ambient Temp.  
NB: 1-1 DVR: one luminaire to one driver.  
3-1 UEP DVR: Ultra Efficiency Pack; three luminaires to one driver.

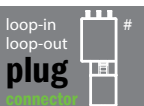
\*Subject to choice of driver and dimming options. For ECA compliance you should seek qualified accounting advice prior to assuming that a project or product is eligible.

\*Mains dim/ Non-dim 1-1 driver only.

**Part L**  
**1&2**  
compliant

**5**  
year  
warranty

**ECA**  
compliant<sup>+</sup>



# EcoStar 600+ order codes

## Standard Product Codes

ECO600+27-MW-UNI	ECO600+ 2700K 5.8cW 70° Matt White, Universal Mains dim/Non-dim driver
ECO600+30-MW-UNI	ECO600+ 3000K 5.8cW 70° Matt White, Universal Mains dim/Non-dim driver
ECO600+40-MW-UNI	ECO600+ 4000K 5.8cW 70° Matt White, Universal Mains dim/Non-dim driver
ECO600+27-BN-UNI	ECO600+ 2700K 5.8cW 70° Br Nickel, Universal Mains dim/Non-dim driver
ECO600+30-BN-UNI	ECO600+ 3000K 5.8cW 70° Br Nickel, Universal Mains dim/Non-dim driver
ECO600+40-BN-UNI	ECO600+ 4000K 5.8cW 70° Br Nickel, Universal Mains dim/Non-dim driver
ECO600+27-PC-UNI	ECO600+ 2700K 5.8cW 70° Pol Chrome, Universal Mains dim/Non-dim driver
ECO600+30-PC-UNI	ECO600+ 3000K 5.8cW 70° Pol Chrome, Universal Mains dim/Non-dim driver
ECO600+40-PC-UNI	ECO600+ 4000K 5.8cW 70° Pol Chrome, Universal Mains dim/Non-dim driver

## Other Dimmable Options

-	-
1-10V dimming	replace "-UNI" with "-AD"
DALI dimming	replace "-UNI" with "-DL"

## Emergency Options

3hr Non-Self-Test EM Pack	Add "-E" at the end of the code
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## 3-1 UEP DVR (Ultra Efficiency Pack, 3 downlights connected to 1 LED driver via supplied loom)

ECO600+27-MW-UEP	ECO600+ 2700K 4.9cW 70° Matt White, Non-dim driver/Ultra Efficiency Pack
ECO600+30-MW-UEP	ECO600+ 3000K 4.9cW 70° Matt White, Non-dim driver/Ultra Efficiency Pack
ECO600+40-MW-UEP	ECO600+ 4000K 4.9cW 70° Matt White, Non-dim driver/Ultra Efficiency Pack
ECO600+27-BN-UEP	ECO600+ 2700K 4.9cW 70° Br Nickel, Non-dim driver/Ultra Efficiency Pack
ECO600+30-BN-UEP	ECO600+ 3000K 4.9cW 70° Br Nickel, Non-dim driver/Ultra Efficiency Pack
ECO600+40-BN-UEP	ECO600+ 4000K 4.9cW 70° Br Nickel, Non-dim driver/Ultra Efficiency Pack
ECO600+27-PC-UEP	ECO600+ 2700K 4.9cW 70° Pol Chrome, Non-dim driver/Ultra Efficiency Pack
ECO600+30-PC-UEP	ECO600+ 3000K 4.9cW 70° Pol Chrome, Non-dim driver/Ultra Efficiency Pack
ECO600+40-PC-UEP	ECO600+ 4000K 4.9cW 70° Pol Chrome, Non-dim driver/Ultra Efficiency Pack

## Other Dimmable Options

Mains dimming	Not available
1-10V dimming	Add "-AD" at the end of the code
DALI dimming	Add "-DL" at the end of the code

## Emergency Options

3hr Non-Self-Test EM Pack	Not available
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## Accessories

ECO600+HA1-MW	EcoStar 600+ Hole Adapter for 90mm-105mm holes (one part adapter)
ECO600+HA2-MW	EcoStar 600+ Hole Adapter for 105mm-170mm holes (two part adapter)
ECO600+IS	EcoStar 600/A+ Thermal Insulation Spacer



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