

● PROFESSIONAL LED INDICATORS Ø12.7mm Mounting

**FEATURES**



**699 SERIES**

PACK QUANTITY = 10 PIECES

- Each product will operate over a wide voltage input range
- Black anodised aluminium housing
- Full internal potting to resist shock and vibration
- Sealed to IP67
- True Bi-polar product for low voltage DC applications
- Other voltages including DC options available in this range

**SPECIFICATIONS**

Ordering Information & Typical Technical Characteristics (Ta = 25°C)

Mean Time Between Failure = 100,000 Hours. Luminous intensity figures refer to the unmodified discrete LED.

PART NUMBER	COLOUR	LENS	VOLTAGE AC/DC Vopr	CURRENT DC (mA) Iopr	LUMINOUS INTENSITY Iv@20mA (mcd)	WAVE LENGTH λp (nm)	OPERATING TEMP Topr	STORAGE TEMP Tstg	
<b>HIGH INTENSITY</b>									
699-501-63	Red	Colour Diffused	12-28	6-16	11000	643	-40 ~ +95 <sup>^</sup>	-40 ~ +100	Yes
699-521-63	Yellow	Colour Diffused	12-28	6-16	16000	591	-40 ~ +95 <sup>^</sup>	-40 ~ +100	Yes
699-532-63	Green	Colour Diffused	12-28	6-16	23000	527	-40 ~ +95 <sup>^</sup>	-40 ~ +100	Yes
699-930-63	Blue	Colour Diffused	12-28	6-16	7000	470	-40 ~ +95 <sup>^</sup>	-40 ~ +100	Yes
699-997-63	Cool White	Colour Diffused	12-28	6-16	14000	*see below	-40 ~ +95 <sup>^</sup>	-40 ~ +100	Yes
699-501-75	Red	Colour Diffused	110Vac	6	11000	643	-40 ~ +95 <sup>^</sup>	-40 ~ +100	Yes
699-521-75	Yellow	Colour Diffused	110Vac	6	16000	591	-40 ~ +95 <sup>^</sup>	-40 ~ +100	Yes
699-532-75	Green	Colour Diffused	110Vac	6	23000	527	-40 ~ +95 <sup>^</sup>	-40 ~ +100	Yes
699-930-75	Blue	Colour Diffused	110Vac	6	7000	470	-40 ~ +95 <sup>^</sup>	-40 ~ +100	Yes
699-997-75	Cool White	Colour Diffused	110Vac	6	14000	*see below	-40 ~ +95 <sup>^</sup>	-40 ~ +100	Yes
<b>UNITS</b>			<b>Vac/Vdc</b>	<b>mA</b>	<b>mcd</b>	<b>nm</b>	<b>°C</b>	<b>°C</b>	



<sup>^</sup> = Products must be derated according to the derating information. Each derating graph refers to specific LEDs. Refer to page 3.

997F-C	*Typical emission colour cool white			
x	0.245	0.361	0.356	0.264
y	0.229	0.385	0.351	0.220

Intensities (Iv) and colour shades of white (x,y co-ordinates) may vary between LEDs within a batch.

**How to Order:**

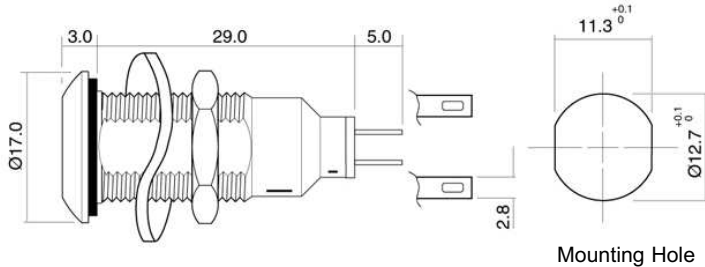
website: [www.marl.co.uk](http://www.marl.co.uk) • email: [sales@marl.co.uk](mailto:sales@marl.co.uk) •

• Telephone +44 (0)1229 582430 • Fax: +44 (0)1229 585155

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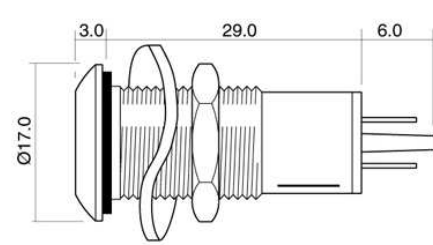
## 699 Series

Below 50Vac/dc



Dimensions in mm (Typical)  
Not to scale

Above 50Vac/dc

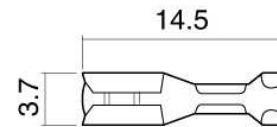


Mounting hole to be clean and burr free

### MATERIALS

Body	Aluminium grade 6063 black anodised
Nut	Stainless Steel grade 303
Panel Seal	Viton
Termination	Copper with silver flash finish
Lock Washer	Zinc plated steel
Fresnel lens	Polycarbonate
Encapsulation	PC5430
Header	Nylon6 A82

### PUSH-ON CONNECTORS



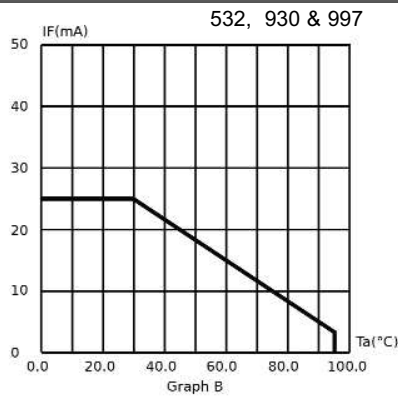
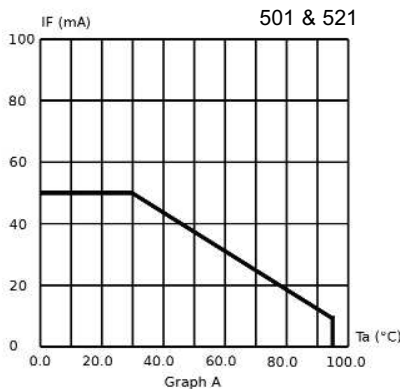
925-000-00 is brass tin plated.  
For use with 699 series lamps.

Dimensions in mm (Typical)  
Not to scale

### TECHNICAL CHARACTERISTICS

SERIES	MAXIMUM POWER DISSIPATION	PANEL CUTOUT	NUT MOUNTING TORQUE	MINIMUM MOUNTING CENTRES	MIN/MAX. PANEL THICKNESS
699	825	12.7	1.0	x,y=26.0	2.0-10.0
	mW	mm	Nm	mm	mm

### DERATING INFORMATION



#### How to Order:

website: [www.marl.co.uk](http://www.marl.co.uk) • email: [sales@marl.co.uk](mailto:sales@marl.co.uk) •

• Telephone +44 (0)1229 582430 • Fax: +44 (0)1229 585155

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