

● PROFESSIONAL LED INDICATORS Ø6.35mm Mounting

## FEATURES



### 684 SERIES

PACK QUANTITY = 10 PIECES

- Black anodised aluminium housing
- Unique rear mounting indicator
- Sealed to IP67
- Suitable for high vibration applications

## SPECIFICATION

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 DC (Vdc) Vopr	CURRENT DC (mA) Iopr	LUMINOUS INTENSITY Iv@20mA (mcd)	WAVE LENGTH λp (nm)	OPERATING TEMP Topr	STORAGE TEMP Tstg	
<b>STANDARD INTENSITY</b>									
684-312-04	Green	Water Clear	2.2	20	120	565	-40 ~ +85 <sup>^</sup>	-40 ~ +85	Yes
<b>HIGH INTENSITY</b>									
684-301-04	Red	Water Clear	1.9	20	900	660	-40 ~ +85 <sup>^</sup>	-40 ~ +85	Yes
684-325-04	Yellow	Water Clear	2.1	20	4300	590	-30 ~ +85 <sup>^</sup>	-40 ~ +120	Yes
684-324-04	Green	Water Clear	3.4	20	7800	525	-30 ~ +85 <sup>^</sup>	-40 ~ +100	Yes
684-934-04	Blue	Water Clear	3.6	20	2300	470	-30 ~ +85 <sup>^</sup>	-40 ~ +100	Yes
684-998-04	Cool White	Water Clear	3.6	20	4600	see below	-30 ~ +85 <sup>^</sup>	-40 ~ +100	Yes
<b>UNITS</b>			<b>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.

998	*Typical emission colour cool white			
x	0.296	0.283	0.330	0.330
y	0.276	0.305	0.339	0.318

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

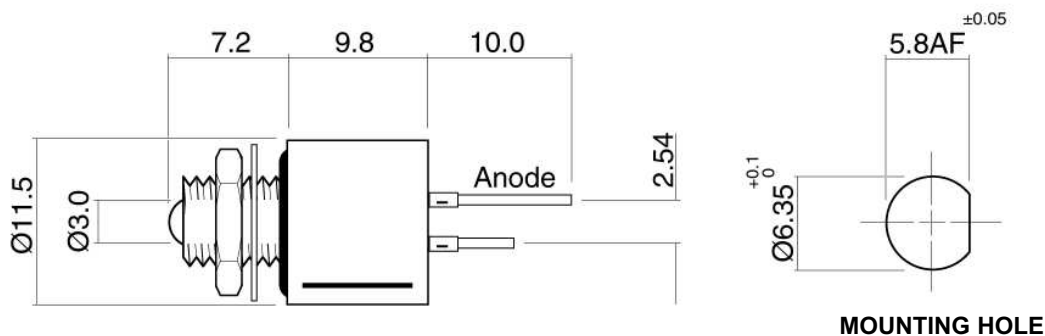
### How to Order:

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

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

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### 684 Series



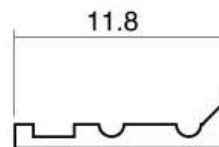
Dimensions in mm (Typical)  
Not to scale

Anode termination indicated by long pin.  
Mounting Hole to be clean and burr free.

#### MATERIALS

#### PUSH-ON CONNECTORS

Body	Black Anodised Aluminium
Nut	Black Anodised Aluminium
Panel Seal	Nitrile
Lens	Epoxy
Encapsulation	PC5430 resin
Lock Washer	Spring Steel



909-000-00 is gold plated  
910-000-00 is tin plated  
For use with 684 series lamps

Dimensions in mm (Typical)  
Not to scale

#### TECHNICAL CHARACTERISTICS

SERIES	MAXIMUM POWER DISSIPATION	MAXIMUM REVERSE VOLTAGE	PANEL CUTOUT	NUT MOUNTING TORQUE	MINIMUM MOUNTING CENTRES	MIN/MAX. PANEL THICKNESS
684	75	3	6.35	0.6	x,y = 12.0	2.0-4.0
	mW	Vdc	mm	Nm	mm	mm

#### OPTIONAL FLYING LEAD TERMINATIONS

ORDER CODE SUFFIX	SUPPLY VOLTAGE	WIRE COLOUR	WIRE LENGTH	NO/DIAMETER OF CONDUCTORS	DIAMETER OVER INSULATION	COMMENTS
15	DC Products	Red-anode / Black-cathode	150mm	19/0.15mm	1.2mm	Customised lengths available
19	DC Products	Red-anode / Black-cathode	1000mm			

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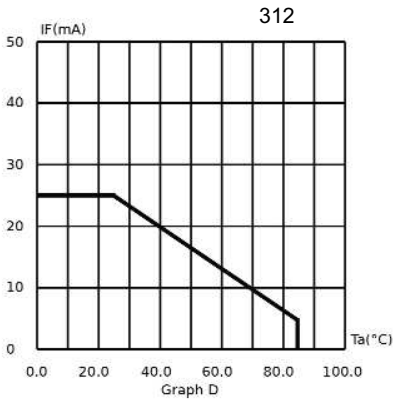
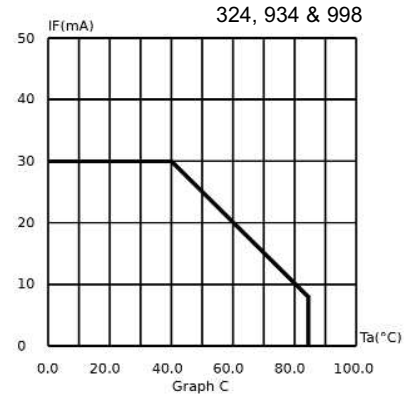
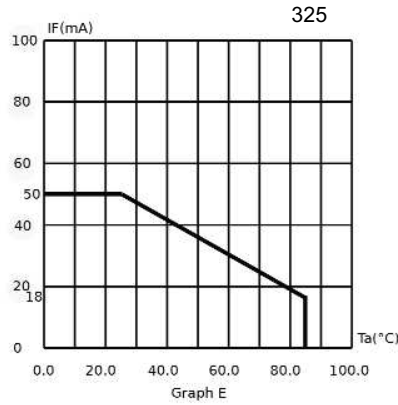
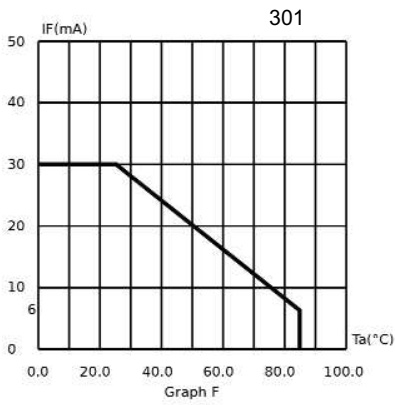
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BS EN ISO 9001:2000  
Approved Manufacturer

## DERATING INFORMATION



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