

● PROFESSIONAL LED INDICATORS Ø12.7mm Mounting

**FEATURES**



**511 SERIES**

PACK QUANTITY = 10 PIECES

- Robust bright nickel plated brass housing
- Sealed to IP67
- Other voltage options available
- Suitable for high vibration applications
- Internal reverse protection diode fitted as standard in all voltage models.

**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>HIGH INTENSITY</b>									
511-501-21	Red		12	19	11000	624	-40 ~ +95^	-40 ~ +100	Yes
511-521-21	Yellow		12	19	16000	591	-40 ~ +95^	-40 ~ +100	Yes
511-532-21	Green		12	20	23000	527	-40 ~ +95^	-40 ~ +100	Yes
511-930-21	Blue		12	20	7000	470	-40 ~ +95^	-40 ~ +100	Yes
511-997-21	Cool White		12	20	14000	*	-40 ~ +95^	-40 ~ +100	Yes
511-501-23	Red		24-28	20	11000	624	-40 ~ +95^	-40 ~ +100	Yes
511-521-23	Yellow		24-28	20	16000	591	-40 ~ +95^	-40 ~ +100	Yes
511-532-23	Green		24-28	20	23000	527	-40 ~ +95^	-40 ~ +100	Yes
511-930-23	Blue		24-28	20	7000	470	-40 ~ +95^	-40 ~ +100	Yes
511-997-23	Cool White		24-28	20	14000	*	-40 ~ +95^	-40 ~ +100	Yes
<b>UNITS</b>			<b>Vdc</b>	<b>mA</b>	<b>mcd</b>	<b>nm</b>	<b>°C</b>	<b>°C</b>	

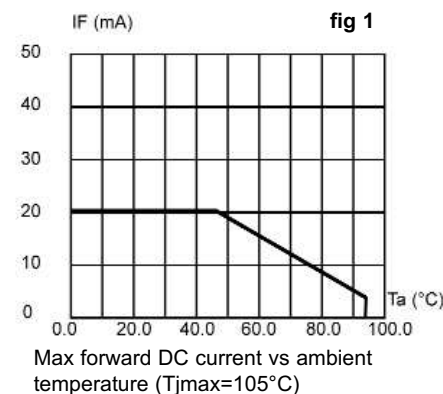


Other voltages AC/DC available. Please contact our Technical Sales.

\* = Typical emission colour: cool white x=0.31, y=0.32

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

^ = Products must be derated when used above 45°C - Refer to fig 1.



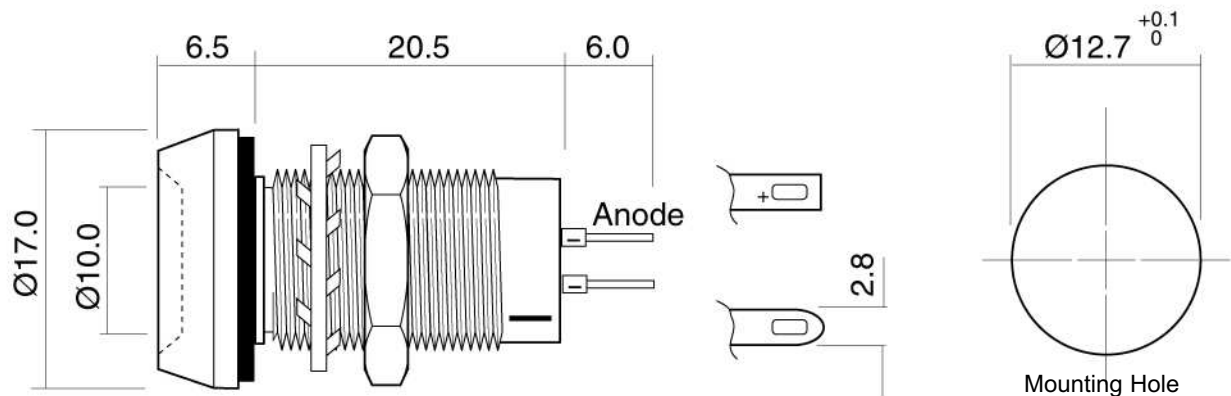
**How to Order:**

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)

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### 511 Series



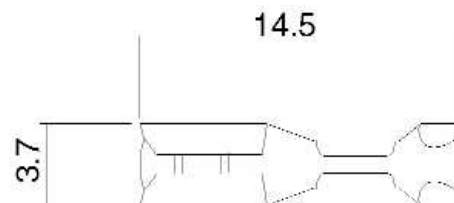
Dimensions in mm (Typical)  
Not to scale

Anode termination indicated by red sleeve  
Mounting hole to be clean and burr free

### MATERIALS

Body	Brass to BS 2874 CZ121 Nickel plated to BS 1224
Nut	Brass to BS 2874 CZ121 nickel plated to BS 1224
Panel Seal	Viton
Termination	Brass to BS 2874 CZ108 Copper flash undercoat with silver flash finish
Lock Washer	Zinc plated steel
Fresnel lens	Polycarbonate
Encapsulation	PC5430 resin

### PUSH-ON CONNECTORS



925-000-00 is brass tin plated.  
For use with 511 series lamps.

Dimensions in mm (Typical)  
Not to scale

### TECHNICAL CHARACTERISTICS

SERIES	MAXIMUM POWER DISSIPATION	MAXIMUM REVERSE VOLTAGE	PANEL CUTOUT	MOUNTING TORQUE	MINIMUM MOUNTING CENTRES	MIN/MAX. PANEL THICKNESS
511	1000	1000	12.7	1.0	x,y=19.5	1.5-8.0
	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
15	AC Products	Brown-live / Blue-neutral	150mm			
19	DC Products	Red-anode / Black-cathode	1000mm			
19	AC Products	Brown-live / Blue-neutral	1000mm			

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)

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