

PROFESSIONAL LED INDICATORS Ø12.7mm Mounting

FEATURES



651 SERIES

PACK QUANTITY = 10 PIECES

- Black anodised aluminium housing
- Excellent wide viewing angle characteristics
- Sealed to IP67
- 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.

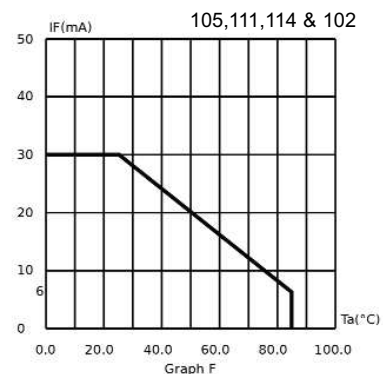
PART NUMBER	COLOUR	LENS	VOLTAGE DC (Vdc) Vopr	CURRENT DC (mA) Iopr	LUMINOUS INTENSITY Iv@20mA (mcd)	WAVE LENGTH λp (nm)	OPERATING TEMP Topr	STORAGE TEMP Tstg		
<b>STANDARD INTENSITY</b>										
651-105-21	Red		Colour Diffused	12	20	100	627	-40 ~ +85 <sup>^</sup>	-40 ~ +85	Yes
651-111-21	Yellow		Colour Diffused	12	20	50	590	-40 ~ +85 <sup>^</sup>	-40 ~ +85	Yes
651-114-21	Green		Colour Diffused	12	20	60	565	-40 ~ +85 <sup>^</sup>	-40 ~ +85	Yes
651-105-23	Red		Colour Diffused	24-28	20	100	627	-40 ~ +85 <sup>^</sup>	-40 ~ +85	Yes
651-111-23	Yellow		Colour Diffused	24-28	20	50	590	-40 ~ +85 <sup>^</sup>	-40 ~ +85	Yes
651-114-23	Green		Colour Diffused	24-28	20	60	565	-40 ~ +85 <sup>^</sup>	-40 ~ +85	Yes
<b>HIGH INTENSITY</b>										
651-102-21	Red		Colour Diffused	12	19	450	660	-40 ~ +85 <sup>^</sup>	-40 ~ +85	Yes
651-102-23	Red		Colour Diffused	24-28	19	450	660	-40 ~ +85 <sup>^</sup>	-40 ~ +85	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.

Fig 1

<sup>^</sup> = Products must be derated according to the derating information - Refer to Fig 1



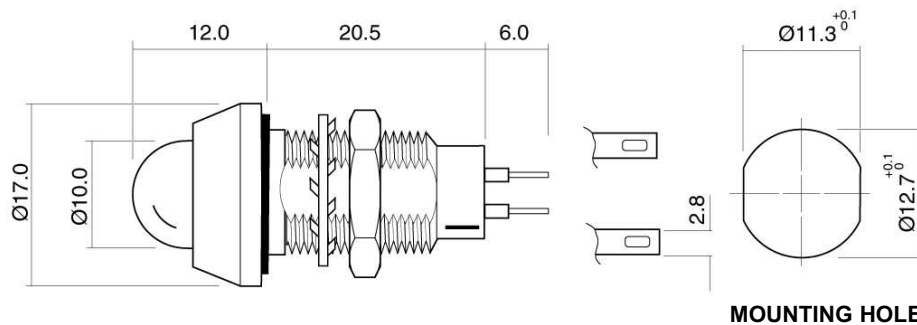
How to Order:

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

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

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### 651 Series



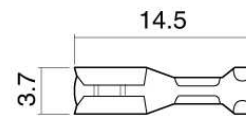
Dimensions in mm (Typical)  
Not to scale

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

### MATERIALS

### PUSH-ON CONNECTORS

Body	Black Anodised Aluminium
Nut	Black Anodised Aluminium
Panel Seal	Viton
Termination Tags	Silver Flash Coated Brass
Fresnel lens	Epoxy
Encapsulation	PC5430 resin
Lock Washer	Spring Steel



925-000-00 is brass tin plated.  
For use with 651 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
651	1000	3* / 1000•	12.7	1.0	x,y = 19.5	1.5-8.0
UNITS	mw	Vdc	mm	Nm	mm	mm
* = Current Version • = Voltage Version						

### 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			

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