

PROFESSIONAL LED INDICATORS Ø 8.1mm Mounting



502 SERIES

PACK QUANTITY = 10 PIECES

### **FEATURES**

- Nickel plated brass housing
- Sealed to IP67
- Water clear lens for good on/off contrast ratio
- Internally potted for use in high vibration applications
- Internal reverse protection diode fitted as standard in all voltage models.
- Wide viewing angle

### **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) lopr	LUMINOUS INTENSITY Iv@20mA (mcd)	WAVE LENGTH λp (nm)	OPERATING TEMP Topr	STORAGE TEMP Tstg	RoHS
				HI	GH INTE	INSITY				2002/95/60
502-501-21	Red	0	Water Clear	12	20	11000	643	-40 ~ +95^	-40 ~ +100	Yes
502-521-21	Yellow		Water Clear	12	20	16000	591	-40 ~ +95^	-40 ~ +100	Yes
502-532-21	Green		Water Clear	12	20	23000	527	-40 ~ +95^	-40 ~ +100	Yes
502-930-21	Blue		Water Clear	12	20	7000	470	-40 ~ +95^	-40 ~ +100	Yes
502-997-21	Cool White	$\bigcirc$	Water Clear	12	20	14000	*see below	-40 ~ +95^	-40 ~ +100	Yes
502-501-23	Red	D	Water Clear	24-28	20	11000	643	-40 ~ +95^	-40 ~ +100	Yes
502-521-23	Yellow		Water Clear	24-28	20	16000	591	-40 ~ +95^	-40 ~ +100	Yes
502-532-23	Green		Water Clear	24-28	20	23000	527	-40 ~ +95^	-40 ~ +100	Yes
502-930-23	Blue	D	Water Clear	24-28	20	7000	470	-40 ~ +95^	-40 ~ +100	Yes
502-997-23	Cool White		Water Clear	24-28	20	14000	*see below	-40 ~ +95^	-40 ~ +100	Yes
UNITS				Vdc	mA	mcd	nm	°C	°C	

cool whiteIntensities (Iv) and colour shades of white (x,y co-ordinates) may vary between LEDs0.264within a batch.0.220

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

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

#### How to Order:

0.245 0.361

0.229 0.385

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V

website: www.marl.co.uk • email: sales@marl.co.uk •

0.356

0.351

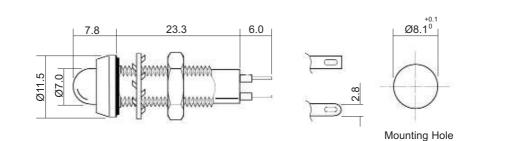
• Telephone +44 (0)1229 582430 • Fax: +44 (0)1229 585155

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# 502 Series



Dimensions in mm (Typical) Not to scale Anode termination indicated by red sleeve Mounting hole to be clean and burr free.

	MATERIALS	PUSH-ON CONNECTORS		
Body	Bright Nickel Plated Brass			
Nut	Bright Nickel Plated Brass	14.5		
Panel Seal	Viton			
Termination Tags	Silver Flash Coated Brass			
Lens	Polycarbonate			
Encapsulation	PC5430 resin	925-000-00 is brass tin plated. Dimensions in mm (Typic For use with 502 series lamps. Not to scale	cal)	
Lock Washer	Spring Steel			

### **TECHNICAL CHARACTERISTICS**

SERIES	MAXIMUM POWER DISSIPATION	MAXIMUM REVERSE VOLTAGE	PANEL CUTOUT	NUT MOUNTING TORQUE	MINIMUM MOUNTING CENTRES	MIN/MAX. PANEL THICKNESS
502	700	3* / 1000•	8.1	0.6	x,y = 14.5	1.5-13.0
UNITS	mW	Vdc	mm	Nm	mm	mm
* = Current	Version	• = Voltage Ve	rsion	•		

	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				
15	AC Products	Brown-live / Blue-neutral	150mm	19/0.15mm	1.2mm	Customised	
19	DC Products	Red-anode / Black-cathode	1000mm	19/0.15000	1.2000	lengths available	
19	AC Products	Brown-live / Blue-neutral	1000mm				

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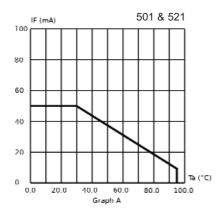
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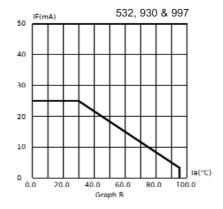


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SAMPLES AVAILABLE

## **DERATING INFORMATION**





## **ALSO AVAILABLE**

Part numbers also available in the 502 Series:

PART NO.	COLOUR	VOLTAGE DC
		(Vdc) Vopr
502-501-20	Red	5/6 VDC
502-501-86-19	Red	115 VAC
502-521-20	Yellow	5/6 VDC
502-521-25	Yellow	110 VDC
502-521-86-19	Yellow	115 VAC
502-532-20	Green	5/6 VDC
502-532-24	Green	48 VDC
502-532-86	Green	115 VAC
502-532-86-19	Green	115 VAC
502-997-20	White	5/6 VDC
502-997-22	White	24 VDC
502-997-24	White	48 VDC
502-997-86	White	115 VAC
UNITS		

The products listed above illustrate all of the options available to order. These products may have custom modifications that alter their operation beyond the generic information contained within this datasheet. Please contact sales for further information.

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