

PROFESSIONAL LED INDICATORS Ø8.1mm Mounting

FEATURES



507 SERIES

PACK QUANTITY = 10 PIECES

- Robust bright nickel plated brass housing
- Low profile styling, sunlight readable LEDs
- 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	
HIGH INTENSITY									
507-501-21	Red	Colour Diffused	12	19	11000	643	-40 ~ +95 [^]	-40 ~ +100	Yes
507-521-21	Yellow	Colour Diffused	12	19	16000	591	-40 ~ +95 [^]	-40 ~ +100	Yes
507-532-21	Green	Colour Diffused	12	20	23000	527	-40 ~ +95 [^]	-40 ~ +100	Yes
507-930-21	Blue	Colour Diffused	12	20	7000	470	-40 ~ +95 [^]	-40 ~ +100	Yes
507-997-21	Cool White	Colour Diffused	12	20	14000	*see below	-40 ~ +95 [^]	-40 ~ +100	Yes
507-501-23	Red	Colour Diffused	24-28	20	11000	643	-40 ~ +95 [^]	-40 ~ +100	Yes
507-521-23	Yellow	Colour Diffused	24-28	20	16000	591	-40 ~ +95 [^]	-40 ~ +100	Yes
507-532-23	Green	Colour Diffused	24-28	20	23000	527	-40 ~ +95 [^]	-40 ~ +100	Yes
507-930-23	Blue	Colour Diffused	24-28	20	7000	470	-40 ~ +95 [^]	-40 ~ +100	Yes
507-997-23	Cool White	Colour Diffused	24-28	20	14000	*see below	-40 ~ +95 [^]	-40 ~ +100	Yes
UNITS			Vdc	mA	mcd	nm	°C	°C	

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.

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.

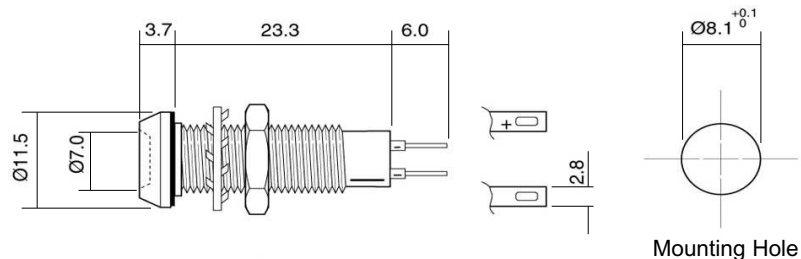
How to Order:

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

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

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507 Series



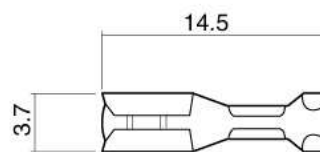
Dimensions in mm (Typical)
Not to scale

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

MATERIALS

PUSH-ON CONNECTORS

Body	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



925-000-00 is brass tin plated.
For use with 507 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
507	700	3* / 1000•	8.1	0.65	x,y=14.5	1.5-13.0
	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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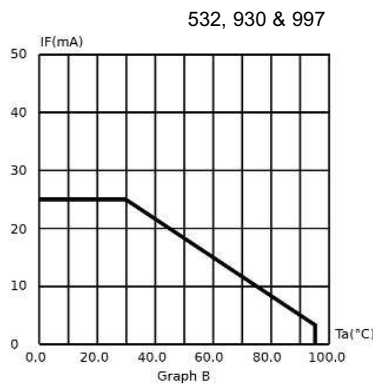
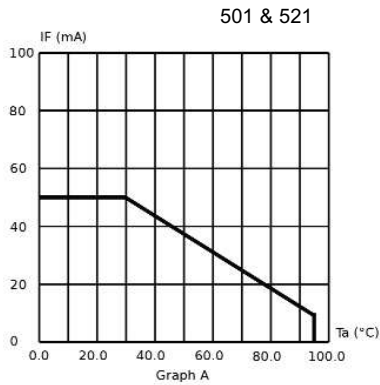
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DERATING INFORMATION



ALSO AVAILABLE

Part numbers also available in the 507 Series:

PART NO.	COLOUR	VOLTAGE DC (Vdc) Vopr
507-501-04	Red	20mA
507-501-04-15	Red	20mA
507-501-20	Red	5/6 Vdc
507-501-22	Red	24 Vdc
507-501-22-15	Red	24 Vdc
507-501-24	Red	48 Vdc
507-501-25	Red	110 Vdc
507-501-54	Red	32 Vdc
507-501-56	Red	72 Vdc
507-501-70	Red	5/6 Vac
507-501-72	Red	24 Vac
507-501-75	Red	110 Vac
507-501-75-15	Red	110 Vac
507-501-77	Red	125 Vac
507-501-86	Red	115 Vac
507-502-04	Red	20mA
507-502-22	Red	24 Vdc
507-502-23-09	Red	28 Vdc
507-503-04	Red	20mA
507-503-04-15	Red	20mA
507-503-20	Red	5/6 Vdc
507-503-21	Red	5/6 Vdc
507-503-22	Red	24 Vdc
507-503-23	Red	24 Vdc
507-503-24	Red	48 Vdc
507-503-75	Red	110 Vac
507-503-75-15	Red	110 Vac
507-506-23-09	Orange	28 Vdc
UNITS		

PART NO.	COLOUR	VOLTAGE DC (Vdc) Vopr
507-506-25	Orange	110 Vdc
507-509-04	Yellow	20mA
507-509-21	Yellow	12 Vdc
507-509-22	Yellow	24 Vdc
507-509-23	Yellow	28 Vdc
507-509-75	Yellow	110 Vac
507-509-86	Yellow	115 Vac
507-512-04	Green	20mA
507-512-04-15	Green	20mA
507-512-20	Green	5/6 Vdc
507-512-21	Green	12 Vdc
507-512-22	Green	24 Vdc
507-512-23-09	Green	28 Vdc
507-512-24	Green	48 Vdc
507-512-50	Green	125 Vdc
507-512-72	Green	24 Vac
507-512-75	Green	110 Vac
507-512-86	Green	115 Vac
507-521-04	Green	20mA
507-521-22	Yellow	24 Vdc
507-521-22-15	Yellow	24 Vdc
507-521-23-09	Yellow	28 Vdc
507-521-24	Yellow	48 Vdc
507-521-50	Yellow	125 Vdc
507-521-75-15	Yellow	110 Vac
507-532-04	Green	20mA
507-532-04-15	Green	20mA
507-532-22	Green	24 Vdc
UNITS		

PART NO.	COLOUR	VOLTAGE DC (Vdc) Vopr
507-532-22-15	Green	24 Vdc
507-532-24	Green	48 Vdc
507-532-25	Green	110 Vdc
507-532-50	Green	125 Vdc
507-532-54	Green	32 Vdc
507-532-75-15	Green	110 Vac
507-532-75-19	Green	110 Vac
507-532-86	Green	115 Vac
507-930-04	Blue	20mA
507-930-04-15	Blue	20mA
507-930-22	Blue	24 Vdc
507-930-22-09	Blue	24 Vdc
507-930-22-15	Blue	24 Vdc
507-930-23-15	Blue	28 Vdc
507-930-25-15	Blue	110 Vdc
507-930-25-50	Blue	110 Vdc
507-930-54	Blue	32 Vdc
507-997-04	White	20mA
507-997-24	White	48 Vdc
507-997-56	White	72 Vdc
507-997-72	White	24 Vac
507-997-75	White	110 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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