

PROFESSIONAL LED INDICATORS Ø8.1mm Mounting

FEATURES



677 SERIES

PACK QUANTITY = 10 PIECES

- Black anodised aluminium housing
- Sealed to IP67
- Wide viewing angle
- Suitable for high vibration applications
- Internal reverse protection diode fitted as standard in all voltage models.
- Smoked lens for good on/off contrast ratio

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 | | | | | | | | | | |
| 677-501-21 | Red | | Smoked | 12 | 20 | 11000 | 643 | -40 ~ +95 [^] | -40 ~ +100 | Yes |
| 677-521-21 | Yellow | | Smoked | 12 | 20 | 16000 | 591 | -40 ~ +95 [^] | -40 ~ +100 | Yes |
| 677-532-21 | Green | | Smoked | 12 | 20 | 23000 | 527 | -40 ~ +95 [^] | -40 ~ +100 | Yes |
| 677-930-21 | Blue | | Smoked | 12 | 20 | 7000 | 470 | -40 ~ +95 [^] | -40 ~ +100 | Yes |
| 677-997-21 | Cool White | | Smoked | 12 | 20 | 14000 | see below | -40 ~ +95 [^] | -40 ~ +100 | Yes |
| 677-501-23 | Red | | Smoked | 24-28 | 20 | 11000 | 643 | -40 ~ +95 [^] | -40 ~ +100 | Yes |
| 677-521-23 | Yellow | | Smoked | 24-28 | 20 | 16000 | 591 | -40 ~ +95 [^] | -40 ~ +100 | Yes |
| 677-532-23 | Green | | Smoked | 24-28 | 20 | 23000 | 527 | -40 ~ +95 [^] | -40 ~ +100 | Yes |
| 677-930-23 | Blue | | Smoked | 24-28 | 20 | 7000 | 470 | -40 ~ +95 [^] | -40 ~ +100 | Yes |
| 677-997-23 | Cool White | | Smoked | 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.

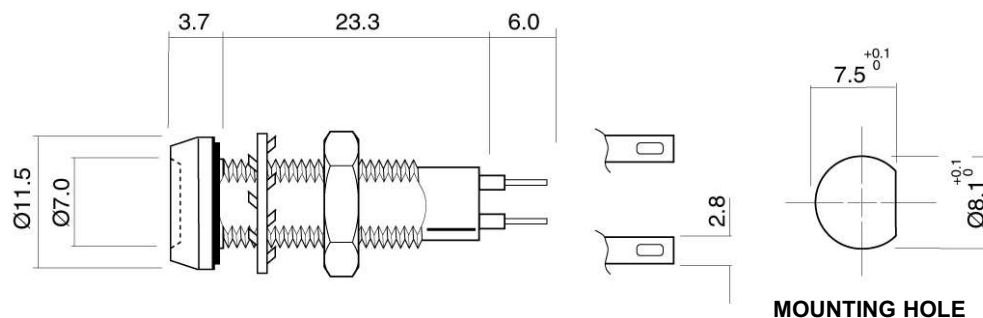
How to Order:

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

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

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677 Series



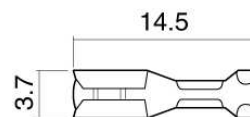
Dimensions in mm (Typical)
Not to scale

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

MATERIALS

| | |
|------------------|----------------------------|
| Body | Black Anodised Aluminium |
| Nut | Bright Nickel Plated Brass |
| Panel Seal | Viton |
| Termination Tags | Silver Flash Coated Brass |
| Fresnel lens | Polycarbonate |
| Encapsulation | PC5430 Resin |
| Lock Washer | Spring Steel |

PUSH-ON CONNECTORS



925-000-00 is brass tin plated.
For use with 677 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 |
|--------|---------------------------|-------------------------|--------------|---------------------|--------------------------|--------------------------|
| 677 | 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 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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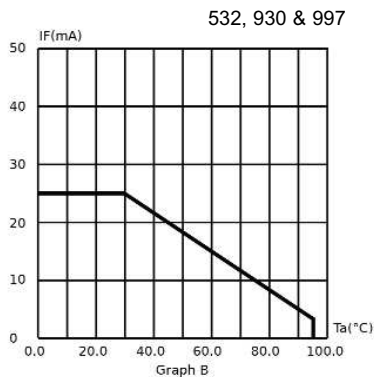
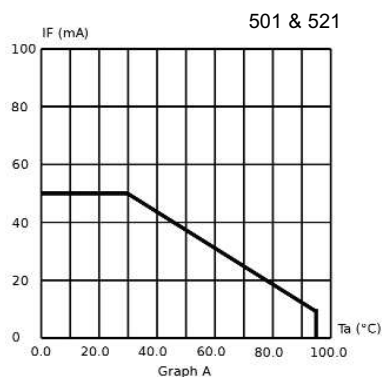
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DERATING INFORMATION



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