

● PROFESSIONAL LED INDICATORS Ø12.7mm Mounting

## FEATURES



### 692 SERIES

PACK QUANTITY = 10 PIECES

- Black anodised aluminium housing
- Flame retardant flying lead options
- Sealed to IP67
- Full internal potting makes this product ideal 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<br>DC (Vdc)<br>Vopr | CURRENT<br>DC (mA)<br>Iopr | LUMINOUS<br>INTENSITY<br>Iv@20mA (mcd) | WAVE<br>LENGTH<br>λp (nm) | OPERATING<br>TEMP<br>Topr | STORAGE<br>TEMP<br>Tstg |  |     |
|----------------|------------|-------------------------------------------------------------------------------------|-----------------------------|----------------------------|----------------------------------------|---------------------------|---------------------------|-------------------------|--------------------------------------------------------------------------------------|-----|
| HIGH INTENSITY |            |                                                                                     |                             |                            |                                        |                           |                           |                         |                                                                                      |     |
| 692-501-21     | Red        |  | Colour Diffused             | 12                         | 20                                     | 11000                     | 643                       | -40 ~ +95^              | -40 ~ +100                                                                           | Yes |
| 692-521-21     | Yellow     |  | Colour Diffused             | 12                         | 20                                     | 16000                     | 591                       | -40 ~ +95^              | -40 ~ +100                                                                           | Yes |
| 692-532-21     | Green      |  | Colour Diffused             | 12                         | 20                                     | 23000                     | 527                       | -40 ~ +95^              | -40 ~ +100                                                                           | Yes |
| 692-930-21     | Blue       |  | Colour Diffused             | 12                         | 20                                     | 7000                      | 470                       | -40 ~ +95^              | -40 ~ +100                                                                           | Yes |
| 692-997-21     | Cool White |  | Colour Diffused             | 12                         | 20                                     | 7800                      | see below                 | -30 ~ +85^              | -40 ~ +100                                                                           | Yes |
| 692-501-23     | Red        |  | Colour Diffused             | 24-28                      | 20                                     | 11000                     | 643                       | -40 ~ +95^              | -40 ~ +100                                                                           | Yes |
| 692-521-23     | Yellow     |  | Colour Diffused             | 24-28                      | 20                                     | 16000                     | 591                       | -40 ~ +95^              | -40 ~ +100                                                                           | Yes |
| 692-532-23     | Green      |  | Colour Diffused             | 24-28                      | 20                                     | 23000                     | 527                       | -40 ~ +95^              | -40 ~ +100                                                                           | Yes |
| 692-930-23     | Blue       |  | Colour Diffused             | 24-28                      | 20                                     | 7000                      | 470                       | -40 ~ +95^              | -40 ~ +100                                                                           | Yes |
| 692-997-23     | Cool White |  | Colour Diffused             | 24-28                      | 20                                     | 7800                      | see below                 | -30 ~ +85^              | -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 | *Typical emission colour cool white |       |       |       |
|------|-------------------------------------|-------|-------|-------|
| x    | 0.296                               | 0.283 | 0.330 | 0.330 |
| y    | 0.276                               | 0.305 | 0.360 | 0.318 |

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

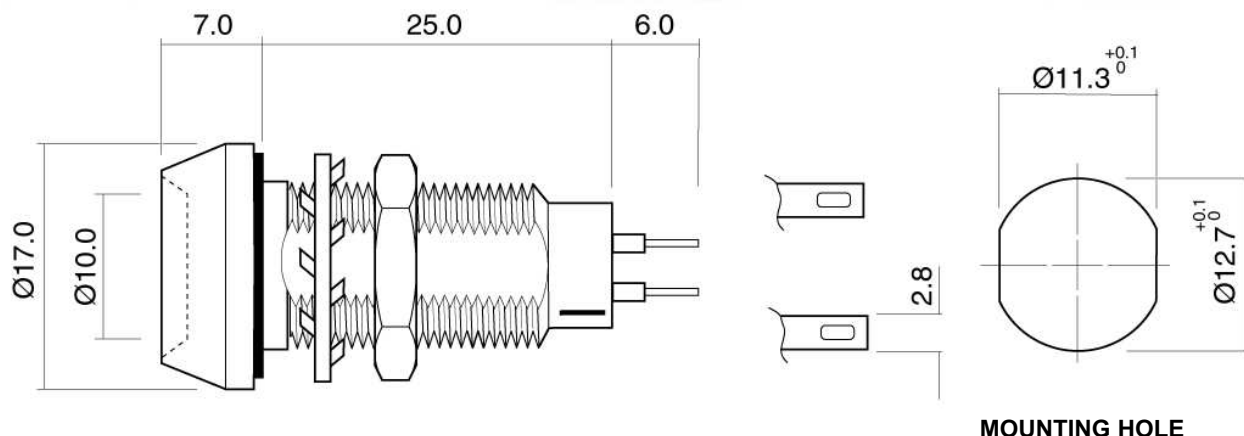
### How to Order:

website: [www.marl.co.uk](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)

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

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## 692 Series



**MOUNTING HOLE**

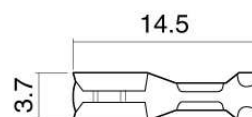
Dimensions in mm (Typical)  
Not to scale

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

### MATERIALS

|                  |                           |
|------------------|---------------------------|
| Body             | Black Anodised Aluminium  |
| Nut              | Black Anodised Aluminium  |
| 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 692 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 |
|-----------------------------------------|---------------------------|-------------------------|--------------|---------------------|--------------------------|--------------------------|
| 692                                     | 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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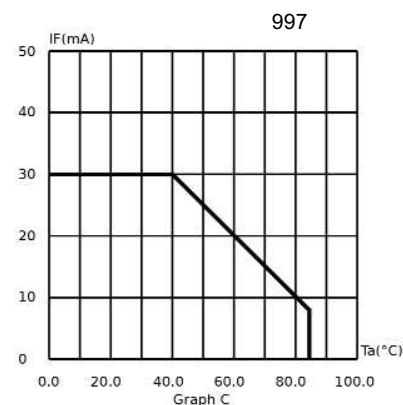
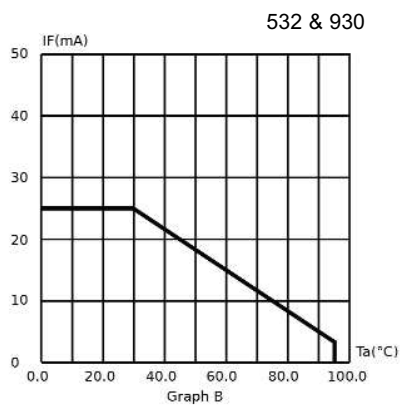
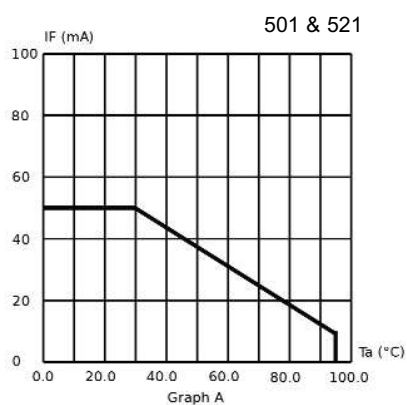
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BS EN ISO 9001:2000  
Approved Manufacturer

## DERATING INFORMATION



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