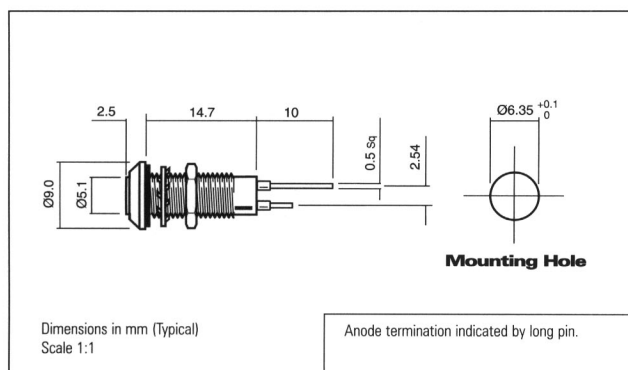


## PROFESSIONAL LED INDICATORS - Ø 6.35mm Mounting



- Black anodised aluminium housing
- Low profile lens assembly
- Sealed to IP67
- Smoked & water clear lens options



**611 SERIES**

**MLQ = 10**

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<br>Vopr | CURRENT<br>DC<br>Iopr | LUMINOUS<br>INTENSITY<br>Iv@20mA | WAVE<br>LENGTH<br>λp | VIEWING<br>ANGLE | OPERATING<br>TEMP<br>Topr | STORAGE<br>TEMP<br>Tstg |
|-------------|--------|------|-----------------------|-----------------------|----------------------------------|----------------------|------------------|---------------------------|-------------------------|
|-------------|--------|------|-----------------------|-----------------------|----------------------------------|----------------------|------------------|---------------------------|-------------------------|

### STANDARD INTENSITY

|            |        |                   |      |       |          |     |      |         |         |
|------------|--------|-------------------|------|-------|----------|-----|------|---------|---------|
| 611-303-04 | Red    | Coloured Diffused | 2.0* | 20    | 100@10mA | 625 | Wide | -20~+60 | -30~+85 |
| 611-309-04 | Yellow |                   | 2.1* | 20    | 30@10mA  | 590 |      |         |         |
| 611-312-04 | Green  |                   | 2.2* | 20    | 50@10mA  | 565 |      |         |         |
| 611-303-20 | Red    |                   | 5/6  | 15/20 | 100@10mA | 625 |      |         |         |
| 611-309-20 | Yellow |                   | 5/6  | 15/20 | 30@10mA  | 590 |      |         |         |
| 611-312-20 | Green  |                   | 5/6  | 15/20 | 50@10mA  | 565 |      |         |         |
| 611-303-21 | Red    |                   | 12   | 20    | 100@10mA | 625 |      |         |         |
| 611-309-21 | Yellow |                   | 12   | 20    | 30@10mA  | 590 |      |         |         |
| 611-312-21 | Green  |                   | 12   | 20    | 50@10mA  | 565 |      |         |         |
| 611-303-22 | Red    |                   | 24   | 20    | 100@10mA | 625 |      |         |         |
| 611-309-22 | Yellow |                   | 24   | 20    | 30@10mA  | 590 |      |         |         |
| 611-312-22 | Green  |                   | 24   | 20    | 50@10mA  | 565 |      |         |         |

### HIGH INTENSITY

|              |        |                   |            |           |            |           |      |           |           |
|--------------|--------|-------------------|------------|-----------|------------|-----------|------|-----------|-----------|
| 611-301-04   | Red    | Coloured Diffused | 1.9*       | 20        | 850        | 660       | Wide | -20~+60   | -30~+85   |
| 611-325-04   | Yellow |                   | 2.1*       | 20        | 4400       | 590       |      |           |           |
| 611-324-04   | Green  |                   | 3.4*       | 20        | 3400       | 525       |      |           |           |
| 611-934-04   | Blue   |                   | 3.4*       | 20        | 1000       | 470       |      |           |           |
| 611-998-04   | White  |                   | 3.4*       | 20        | 2000       | •         |      |           |           |
| 611-301-21   | Red    |                   | 12         | 20        | 850        | 660       |      |           |           |
| 611-325-21   | Yellow |                   | 12         | 20        | 4400       | 590       |      |           |           |
| 611-324-21   | Green  |                   | 12         | 20        | 3400       | 525       |      |           |           |
| 611-934-21   | Blue   |                   | 12         | 20        | 1000       | 470       |      |           |           |
| 611-998-21   | White  |                   | 12         | 20        | 2000       | •         |      |           |           |
| <b>UNITS</b> |        |                   | <b>Vdc</b> | <b>mA</b> | <b>mcd</b> | <b>nm</b> |      | <b>°C</b> | <b>°C</b> |

\* = Voltage DC for 20mA product is Vf@20mA, not Vopr

• = Typical emission colour: x=0.31, y=0.32. Colour temperature 8000K. Intensities (Iv) and colour shades of white (x,y co-ordinates) may vary between LEDs within a batch.

Please note - This product is also available at 24, 28, 48 and 75Vdc. Please contact our Sales department for further details.