

## FEATURES

- 5 mm coloured diffused epoxy lens
- Various voltages
- Tri-colour options
- Longevity and low power consumption
- Bright chrome bezel

# RS PRO Red Flashing LED Indicator, 24 V dc, 8mm Mounting Hole Size, Solder Tab Termination

RS Stock No.: 207-646



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

### Product Description

Brought to you by RS Pro, these indicators provide an excellent solution for warning and attention signals within relevant applications. With three colours available, red, yellow and green. A type of traffic light system can be applied to circuit boards or electrical designs in regards to operation or safety. Each LED indicator is rated at IP67, this means it will have great protection and be fully operational within indoor and outdoor applications. All models are highly reliable and excellent quality.

### General Specifications

|                             |  |
|-----------------------------|--|
| <b>Light Output Colour</b>  | Red  |
| <b>Lamp Type</b>            | Flashing LED   |
| <b>Termination Type</b>     | Solder Tab   |
| <b>Type</b>                 | Panel Mount  |
| <b>Bezel Style</b>          | Recessed   |
| <b>Bezel Colour</b>         | Chrome   |
| <b>Intensity</b>            | 50mcd  |
| <b>Type Of Illumination</b> | Fixed Light  |
| <b>LED Colour</b>           | Red  |
| <b>Viewing Angle</b>        | 30-100°  |
| <b>Life Expectancy</b>      | 100000hours  |
| <b>Applications</b>         | Fixed to PCB circuit boards mounted; Switches; Pushbuttons; Used as vehicle indicators |

### Electrical Specifications

|                          |        |
|--------------------------|--------|
| <b>Voltage Rating</b>    | 24V dc |
| <b>Current Rating</b>    | 20mA   |
| <b>Voltage Tolerance</b> | 10%    |

## Mechanical Specifications

|                    |                |
|--------------------|----------------|
| Mounting Hole Size | 8mm            |
| Length             | 34.8mm         |
| Torque             | 20cNm to 25cNm |
| Lamp Size          | 5mm            |

## Operation Environment Specifications

|                    |               |
|--------------------|---------------|
| Temperature Rating | -40°C to 85°C |
|--------------------|---------------|

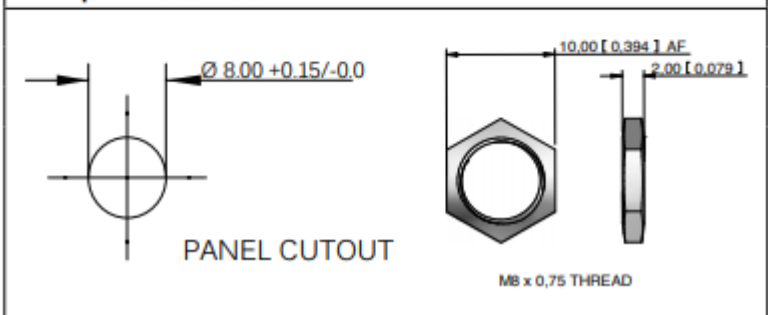
## Approvals

|                           |    |
|---------------------------|----|
| Compliance/Certifications | UL |
|---------------------------|----|



| TECHNICAL SPECIFICATIONS |                                   |  |
|--------------------------|-----------------------------------|--|
| Voltage                  | Operating Voltage<br>(Min to Max) | Operating Current<br>(Typical All Types) |
| 02 (No Resistor)         | 1.8 to 3.3VDC                     | 20mA max*                                |
| 6VDC                     | 5.4 to 6.6VDC                     | 20mA                                     |
| 12VDC                    | 10.8 to 13.2VDC                   | 20mA                                     |
| 24VDC                    | 21.6 to 26.4VDC                   | 20mA                                     |
| 28VDC                    | 25.2 to 30.8VDC                   | 20mA                                     |
| 110VAC                   | 99 to 121VAC                      | 6mA                                      |
| 220VAC                   | 207 to 253VAC                     | 3mA                                      |

|  |
|--|
| <b>Max Reverse Voltage:</b> 5V                               |
| <b>Viewing Angle:</b> 30–100° (dependant on model)           |
| <b>Life Expectancy:</b> 100,000 hours                        |
| <b>Temperature Range:</b> –40 to +85°C (operating & storage) |
| <b>Torque:</b> 20 to 25cNm                                   |



| Standard LED Intensity  | Prominent and Recessed | Flush      | Forward Voltage |
|---|------------------------|------------|-----------------|
| HE Red  | 80mcd                  | 8mcd       | 2.0V            |
| Green   | 60mcd                  | 6mcd       | 2.2V            |
| Yellow  | 50mcd                  | 6mcd       | 2.1V            |
| Blue  | 1600mcd                | 50mcd      | 3.3V            |
| White   | 1600mcd                | 500mcd     | 3.3V            |
| Orange  | 60mcd                  | 110mcd     | 2.2V            |
| Bi-color (Typical) (Red/Green)  | 14/30mcd               | 15/10mcd   | 2.0V/2.2V       |
| Tri-color (Typical) (Red/Green/Yellow)  | 60/15/13mcd            | 15/10/6mcd | 2.0V/2.2V/2.1V  |
| Bi-color - The color is changed by reversing the polarity of the supply voltage.          |                        |            |                 |
| Tri-color - The indicator has red and green LEDs, when both connected yellow is produced. |                        |            |                 |
| Super Bright LED  | Prominent and Recessed | Flush      | Forward Voltage |
| HE Red  | 5,000mcd               | 1,300mcd   | 2.2V            |
| Green   | 10,000mcd              | 1,200mcd   | 3.3V            |
| Yellow  | 4,000mcd               | 350mcd     | 2.0V            |
| Blue  | 2,200mcd               | 280mcd     | 3.3V            |
| White   | 2,500mcd               | 950mcd     | 3.3V            |
| Orange  | 4,000mcd               | 500mcd     | 2.2V            |
| Hyper Bright LED  | Prominent and Recessed | Flush      | Forward Voltage |
| HE Red  | 6,000mcd               | 980mcd     | 2.2V            |
| Green   | 1,900mcd               | 300mcd     | 3.3V            |
| Yellow  | 1,600mcd               | 250mcd     | 2.0V            |
| Orange  | 2,400mcd               | 110mcd     | 2.2V            |
| Luminous intensity will be reduced with lower operating current.                          |                        |            |                 |

RECESSED BEZEL

