



**Mallory Sonalert Products, Inc.**

Part #:

**FL1M-12SJ-1  
12mm Panel Light**

## Sales Outline Drawing

Revision:

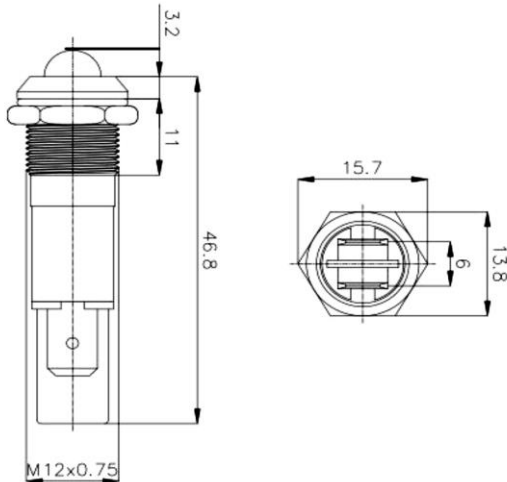
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### Specifications:

|                                 |                                              |
|---------------------------------|----------------------------------------------|
| Panel Hole                      | 12 mm                                        |
| LED Color Available             | Red, Green, Blue, Yellow, or White           |
| Lens Color                      | Same as LED                                  |
| Rated Voltage Available         | See table below                              |
| Max Current Draw                | 20 mA                                        |
| Storage & Operating Temperature | -20 °C to +85 °C                             |
| Ingress Protection Rating       | IP65                                         |
| LED Life                        | 70,000 hours                                 |
| Weight (Typical)                | 13.5 g                                       |
| Housing Material                | Nickel-plated Brass, PA66, and Polycarbonate |
| Termination Type                | Flat Blade Quick-Connect Terminal            |
| Terminal Dimensions             | 6.3mm x 0.8mm x 9mm                          |
| Max Nut Torque                  | 32 ft-lbs (44 Nm)                            |
| Panel Thickness                 | 0.04-0.30" (1-7.7 mm)                        |
| Hardware Kit                    | LM12-FSQ12-MHDP12                            |

**RoHS Compliant**

### Dimensions (mm):



### Part Number:

**FL1M-12SJ-1-X#V**

B=Blue  
G=Green  
R=Red  
Y=Yellow  
W=White

Rated Voltage

Length for reference only.

|        | Light Intensity | Dominant Wavelength | Viewing Angle |
|--------|-----------------|---------------------|---------------|
| Red    | 1000 -1500 mcd  | 622 nm              | 180°          |
| Green  | 8000 -10000 mcd | 522 nm              | 180°          |
| Yellow | 1000 -1500 mcd  | 590 nm              | 180°          |
| Blue   | 2000 - 3000 mcd | 464 nm              | 180°          |

| Rated Voltage | 2 VAC/DC | 3 VAC/DC  | 6 VAC/DC | 12 VAC/DC  | 24 VAC/DC  | 48 VAC/DC  | 110 VAC/DC | 220 VAC/DC | 380 VAC/DC |
|---------------|----------|-----------|----------|------------|------------|------------|------------|------------|------------|
| Red           | 1.8-2.2V | 2.7-3.3V  | 5.4-6.6V | 10.8-13.2V | 21.6-26.4V | 43.2-52.8V | 99-121V    | 198-242V   | 342-418V   |
| Green         | N/A      | 3-3.2V    | 5.4-6.6V | 10.8-13.2V | 21.6-26.4V | 43.2-52.8V | 99-121V    | 198-242V   | 342-418V   |
| Blue          | N/A      | 3.12-3.2V | 5.4-6.6V | 10.8-13.2V | 21.6-26.4V | 43.2-52.8V | 99-121V    | 198-242V   | 342-418V   |
| Yellow        | 2-2.2V   | 2.7-3.3V  | 5.4-6.6V | 10.8-13.2V | 21.6-26.4V | 43.2-52.8V | 99-121V    | 198-242V   | 342-418V   |
| White         | N/A      | 3-3.2V    | 5.4-6.6V | 10.8-13.2V | 21.6-26.4V | 43.2-52.8V | 99-121V    | 198-242V   | 342-418V   |