



**Mallory Sonalert Products, Inc.**

Part #: **FL1M-8SJ-2**  
**8mm Panel Light**

## Sales Outline Drawing

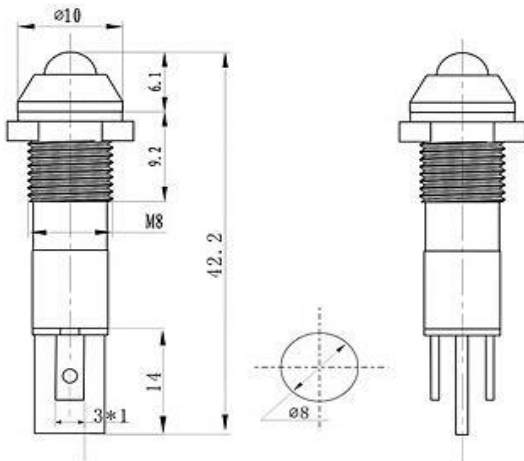
Revision: **A**

### Specifications:

|                                 |                                              |
|---------------------------------|----------------------------------------------|
| Panel Hole                      | 8 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)                | 4.9 g                                        |
| Housing Material                | Nickel-plated Brass, PA66, and Polycarbonate |
| Termination Type                | Flat Blades Quick-Connect Terminal           |
| Terminal Dimensions             | 2.8mm x 0.6mm x 8mm                          |
| Max Nut Torque                  | 13 ft-lbs (18 Nm)                            |
| Panel Thickness                 | 0.04-0.24" (1-6 mm)                          |
| Hardware Kit                    | LM8-FSQ8-MHDP8                               |

**RoHS Compliant**

### Dimensions (mm):



### Part Number:

**FL1M-8SJ-2-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 VDC    | 3 VDC     | 6 VDC    | 12 VDC     | 24 VDC     | 48 VDC     | 110 VDC | 220 VDC  | 380 VDC  |
|---------------|----------|-----------|----------|------------|------------|------------|---------|----------|----------|
| 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 |