



**Mallory Sonalert Products, Inc.**

Part #:

**FL1P-8NJ-1**  
**8mm Panel Light**

## Sales Outline Drawing

Revision:

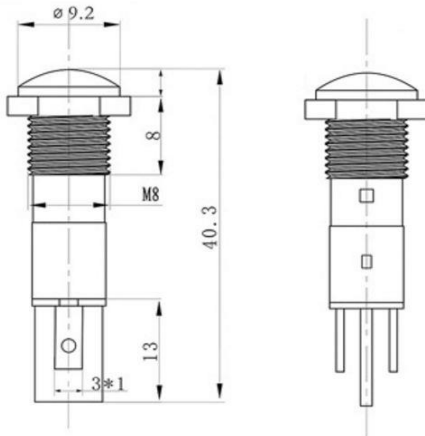
**A**

### 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 | -15 °C to +80 °C                   |
| Ingress Protection Rating       | IP65                               |
| LED Life                        | 70,000 hours                       |
| Weight (Typical)                | 2.1 g                              |
| Housing Material                | PA66                               |
| Termination Type                | Flat Blades Quick-Connect Terminal |
| Terminal Dimensions             | 2.8mm x 0.6mm x 8mm                |
| Max Nut Torque                  | 5.9 ft-lbs (8 Nm)                  |
| Panel Thickness                 | 0.04 - 0.14" (1-3.5mm)             |
| Hardware Kit                    | LM8-FSQ8-1                         |

**RoHS Compliant**

### Dimensions (mm):



### Part Number:

**FL1P-8NJ-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              | 35°           |
| Green  | 8000 -10000 mcd | 522 nm              | 60°           |
| Yellow | 1000 -1500 mcd  | 590 nm              | 35°           |
| Blue   | 2000 - 3000 mcd | 464 nm              | 35°           |

| 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   |