

# 656 Series

## High Intensity LED Panel Mount Indicators



### Application:

The 656 Series LED Panel Mount Indicators are designed for a variety of applications such as:

- Safety Applications
- Instrument Panels
- Vending/Gaming
- Display Lighting
- Transportation - rail, bus, airline

and many more!

### Certifications & Ratings

- UL1598: wire leads - UL listed; terminals - UL recognized
- NEMA 4X
- IP67
- RoHS compliant - w/6C exemption

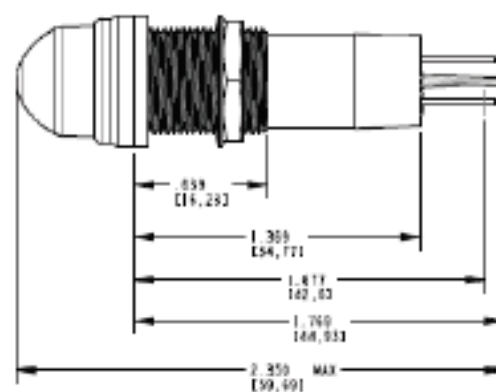
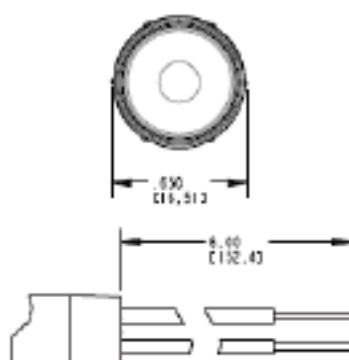
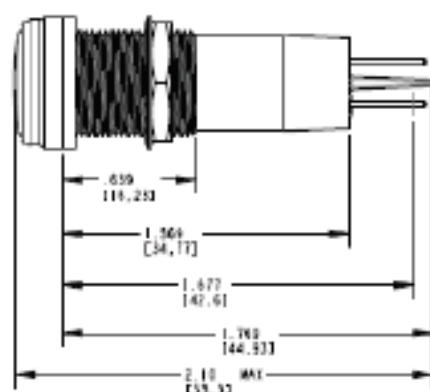
### Mechanical information

|                      |                  |
|----------------------|------------------|
| Mounting Hole Size:  | 0.500" (12.7mm)  |
| Max Panel Thickness: | 0.450" (11.43mm) |
| Mounting Torque:     | 5 In-lbs         |

### Specifications

|                        |                                                            |                |                                      |
|------------------------|------------------------------------------------------------|----------------|--------------------------------------|
| Voltage Options:       | 5 to 125V DC and 125, 230V AC (Bi-color 5, 12, 24V DC)     | Lens Material: | Transparent polycarbonate (UL 94V-0) |
| Operating Temp:        | -30°C to +85°C (22°F to +185°F)                            | Wire Leads:    | 18 AWG                               |
| Storage Temp:          | -40°C to +100°C (-40°F to +212°F)                          | Lock Washer:   | White Nickel Plated Bronze           |
| Electrical Connection: | 110 Faston quick connect terminals or 6" wire leads        | Nut:           | White Nickel Plated Brass            |
| Housing:               | White Nickel Plated Brass, other plating options available |                |                                      |

### Dimensions



Dimension are in inches [mm]

| PART NUMBER*  | LENS STYLE | COLOR        | VOLTAGE | VOLTAGE TYPE | TYP CURRENT (mA) | TYPICAL INTENSITY (mcd) |
|---------------|------------|--------------|---------|--------------|------------------|-------------------------|
| 656-1002-303F | FLAT       | WHITE        | 5       | V DC         | 15               | 1510                    |
| 656-1102-303F | FLAT       | RED          | 5       | V DC         | 16               | 1150                    |
| 656-1202-303F | FLAT       | GREEN        | 5       | V DC         | 15               | 1600                    |
| 656-1302-303F | FLAT       | YELLOW       | 5       | V DC         | 16               | 990                     |
| 656-1352-303F | FLAT       | ORANGE       | 5       | V DC         | 16               | 1850                    |
| 656-1402-303F | FLAT       | BLUE         | 5       | V DC         | 15               | 237                     |
| 656-1122-303F | FLAT       | RED/GREEN    | 5       | V DC         | 11/8             | 330/910                 |
| 656-1322-303F | FLAT       | YELLOW/GREEN | 5       | V DC         | 11/8             | 320/864                 |
| 656-1003-303F | FLAT       | WHITE        | 12      | V DC         | 18               | 1310                    |
| 656-1103-303F | FLAT       | RED          | 12      | V DC         | 18               | 1100                    |
| 656-1203-303F | FLAT       | GREEN        | 12      | V DC         | 16               | 1140                    |
| 656-1303-303F | FLAT       | YELLOW       | 12      | V DC         | 18               | 880                     |
| 656-1353-303F | FLAT       | ORANGE       | 12      | V DC         | 18               | 1850                    |
| 656-1403-303F | FLAT       | BLUE         | 12      | V DC         | 16               | 290                     |
| 656-1123-303F | FLAT       | RED/GREEN    | 12      | V DC         | 10/9             | 330/910                 |
| 656-1323-303F | FLAT       | YELLOW/GREEN | 12      | V DC         | 10/9             | 320/864                 |
| 656-1004-303F | FLAT       | WHITE        | 24      | V DC         | 20               | 1310                    |
| 656-1104-303F | FLAT       | RED          | 24      | V DC         | 20               | 1100                    |
| 656-1204-303F | FLAT       | GREEN        | 24      | V DC         | 20               | 1140                    |
| 656-1304-303F | FLAT       | YELLOW       | 24      | V DC         | 20               | 880                     |
| 656-1354-303F | FLAT       | ORANGE       | 24      | V DC         | 20               | 1850                    |
| 656-1404-303F | FLAT       | BLUE         | 24      | V DC         | 20               | 290                     |
| 656-1124-303F | FLAT       | RED/GREEN    | 24      | V DC         | 11/10            | 330/910                 |
| 656-1324-303F | FLAT       | YELLOW/GREEN | 24      | V DC         | 11/10            | 320/864                 |
| 656-1006-303F | FLAT       | WHITE        | 28      | V DC         | 19               | 1310                    |
| 656-1106-303F | FLAT       | RED          | 28      | V DC         | 19               | 1100                    |
| 656-1206-303F | FLAT       | GREEN        | 28      | V DC         | 18               | 1140                    |
| 656-1306-303F | FLAT       | YELLOW       | 28      | V DC         | 19               | 880                     |
| 656-1356-303F | FLAT       | ORANGE       | 28      | V DC         | 19               | 1850                    |
| 656-1406-303F | FLAT       | BLUE         | 28      | V DC         | 18               | 290                     |
| 656-1008-303F | FLAT       | WHITE        | 37.5    | V DC         | 8.5              | 400                     |
| 656-1108-303F | FLAT       | RED          | 37.5    | V DC         | 8.5              | 230                     |
| 656-1208-303F | FLAT       | GREEN        | 37.5    | V DC         | 8.5              | 450                     |
| 656-1308-303F | FLAT       | YELLOW       | 37.5    | V DC         | 8.5              | 190                     |
| 656-1358-303F | FLAT       | ORANGE       | 37.5    | V DC         | 8.5              | 800                     |
| 656-1408-303F | FLAT       | BLUE         | 37.5    | V DC         | 8.5              | 100                     |

\*For blade terminals: replace the 10th digit with "4". For example: 656-1103-304F

| PART NUMBER*  | LENS STYLE | COLOR        | VOLTAGE | VOLTAGE TYPE | TYP CURRENT (mA) | TYPICAL INTENSITY (mcd) |
|---------------|------------|--------------|---------|--------------|------------------|-------------------------|
| 656-1007-303F | FLAT       | WHITE        | 72      | V DC         | 8.5              | 400                     |
| 656-1107-303F | FLAT       | RED          | 72      | V DC         | 8.5              | 230                     |
| 656-1207-303F | FLAT       | GREEN        | 72      | V DC         | 8.5              | 450                     |
| 656-1307-303F | FLAT       | YELLOW       | 72      | V DC         | 8.5              | 190                     |
| 656-1357-303F | FLAT       | ORANGE       | 72      | V DC         | 8.5              | 800                     |
| 656-1407-303F | FLAT       | BLUE         | 72      | V DC         | 8.5              | 100                     |
| 656-1005-303F | FLAT       | WHITE        | 120     | V AC/DC      | 5                | 400                     |
| 656-1105-303F | FLAT       | RED          | 120     | V AC/DC      | 5                | 230                     |
| 656-1205-303F | FLAT       | GREEN        | 120     | V AC/DC      | 5                | 450                     |
| 656-1305-303F | FLAT       | YELLOW       | 120     | V AC/DC      | 5                | 190                     |
| 656-1355-303F | FLAT       | ORANGE       | 120     | V AC/DC      | 5                | 260                     |
| 656-1405-303F | FLAT       | BLUE         | 120     | V AC/DC      | 5                | 100                     |
| 656-1009-303F | FLAT       | WHITE        | 230     | V AC         | 3                | 400                     |
| 656-1109-303F | FLAT       | RED          | 230     | V AC         | 3                | 230                     |
| 656-1209-303F | FLAT       | GREEN        | 230     | V AC         | 3                | 450                     |
| 656-1309-303F | FLAT       | YELLOW       | 230     | V AC         | 3                | 190                     |
| 656-1359-303F | FLAT       | ORANGE       | 230     | V AC         | 3                | 260                     |
| 656-1409-303F | FLAT       | BLUE         | 230     | V AC         | 3                | 100                     |
| 656-3002-303F | DOME       | WHITE        | 5       | V DC         | 15               | 3080                    |
| 656-3102-303F | DOME       | RED          | 5       | V DC         | 16               | 2200                    |
| 656-3202-303F | DOME       | GREEN        | 5       | V DC         | 15               | 2880                    |
| 656-3302-303F | DOME       | YELLOW       | 5       | V DC         | 16               | 1960                    |
| 656-3352-303F | DOME       | ORANGE       | 5       | V DC         | 16               | 4400                    |
| 656-3402-303F | DOME       | BLUE         | 5       | V DC         | 15               | 600                     |
| 656-3122-303F | DOME       | RED/GREEN    | 5       | V DC         | 11/8             | 490/1340                |
| 656-3322-303F | DOME       | YELLOW/GREEN | 5       | V DC         | 11/8             | 480/430                 |
| 656-3003-303F | DOME       | WHITE        | 12      | V DC         | 18               | 2340                    |
| 656-3103-303F | DOME       | RED          | 12      | V DC         | 18               | 2000                    |
| 656-3203-303F | DOME       | GREEN        | 12      | V DC         | 16               | 2110                    |
| 656-3303-303F | DOME       | YELLOW       | 12      | V DC         | 18               | 1080                    |
| 656-3353-303F | DOME       | ORANGE       | 12      | V DC         | 18               | 4400                    |
| 656-3403-303F | DOME       | BLUE         | 12      | V DC         | 16               | 640                     |
| 656-3123-303F | DOME       | RED/GREEN    | 12      | V DC         | 10/9             | 490/1340                |
| 656-3323-303F | DOME       | YELLOW/GREEN | 12      | V DC         | 10/9             | 480/430                 |
| 656-3004-303F | DOME       | WHITE        | 24      | V DC         | 20               | 2340                    |
| 656-3104-303F | DOME       | RED          | 24      | V DC         | 20               | 2000                    |

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|---------------|------------|--------------|---------|--------------|------------------|-------------------------|
| 656-3204-303F | DOME       | GREEN        | 24      | V DC         | 20               | 2110                    |
| 656-3304-303F | DOME       | YELLOW       | 24      | V DC         | 20               | 1080                    |
| 656-3354-303F | DOME       | ORANGE       | 24      | V DC         | 20               | 4400                    |
| 656-3404-303F | DOME       | BLUE         | 24      | V DC         | 20               | 640                     |
| 656-3124-303F | DOME       | RED/GREEN    | 24      | V DC         | 11/10            | 490/1340                |
| 656-3324-303F | DOME       | YELLOW/GREEN | 24      | V DC         | 11/10            | 480/430                 |
| 656-3006-303F | DOME       | WHITE        | 28      | V DC         | 19               | 2340                    |
| 656-3106-303F | DOME       | RED          | 28      | V DC         | 19               | 2000                    |
| 656-3206-303F | DOME       | GREEN        | 28      | V DC         | 18               | 2110                    |
| 656-3306-303F | DOME       | YELLOW       | 28      | V DC         | 19               | 1080                    |
| 656-3356-303F | DOME       | ORANGE       | 28      | V DC         | 19               | 4400                    |
| 656-3406-303F | DOME       | BLUE         | 28      | V DC         | 18               | 640                     |
| 656-3008-303F | DOME       | WHITE        | 37.5    | V DC         | 8.5              | 660                     |
| 656-3108-303F | DOME       | RED          | 37.5    | V DC         | 8.5              | 410                     |
| 656-3208-303F | DOME       | GREEN        | 37.5    | V DC         | 8.5              | 800                     |
| 656-3308-303F | DOME       | YELLOW       | 37.5    | V DC         | 8.5              | 390                     |
| 656-3358-303F | DOME       | ORANGE       | 37.5    | V DC         | 8.5              | 2000                    |
| 656-3408-303F | DOME       | BLUE         | 37.5    | V DC         | 8.5              | 220                     |
| 656-3007-303F | DOME       | WHITE        | 72      | V DC         | 8.5              | 660                     |
| 656-3107-303F | DOME       | RED          | 72      | V DC         | 8.5              | 410                     |
| 656-3207-303F | DOME       | GREEN        | 72      | V DC         | 8.5              | 800                     |
| 656-3307-303F | DOME       | YELLOW       | 72      | V DC         | 8.5              | 390                     |
| 656-3357-303F | DOME       | ORANGE       | 72      | V DC         | 8.5              | 2000                    |
| 656-3407-303F | DOME       | BLUE         | 72      | V DC         | 8.5              | 220                     |
| 656-3005-303F | DOME       | WHITE        | 120     | V AC/DC      | 5                | 660                     |
| 656-3105-303F | DOME       | RED          | 120     | V AC/DC      | 5                | 410                     |
| 656-3205-303F | DOME       | GREEN        | 120     | V AC/DC      | 5                | 800                     |
| 656-3305-303F | DOME       | YELLOW       | 120     | V AC/DC      | 5                | 390                     |
| 656-3355-303F | DOME       | ORANGE       | 120     | V AC/DC      | 5                | 615                     |
| 656-3405-303F | DOME       | BLUE         | 120     | V AC/DC      | 5                | 220                     |
| 656-3009-303F | DOME       | WHITE        | 230     | V AC         | 2                | 660                     |
| 656-3109-303F | DOME       | RED          | 230     | V AC         | 3                | 410                     |
| 656-3209-303F | DOME       | GREEN        | 230     | V AC         | 3                | 800                     |
| 656-3309-303F | DOME       | YELLOW       | 230     | V AC         | 3                | 390                     |
| 656-3359-303F | DOME       | ORANGE       | 230     | V AC         | 3                | 615                     |
| 656-3409-303F | DOME       | BLUE         | 230     | V AC         | 3                | 220                     |

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