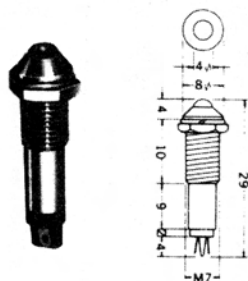
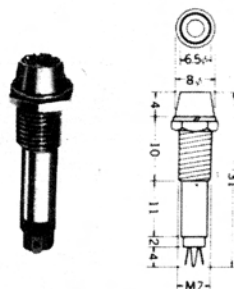


# Models 406/407



MODEL 406

Model 406 LED Indicator Lights are manufactured from chrome plated brass with the LED installed in a manner that the lens of the LED forms a macrodome lens for the indicator light. Available also with a black anodized body. Voltages range from 2 to 24 with a built-in resistor. They mount in a 7mm panel hole with nut and washer provided. 2 volt versions mount in 6mm panel hole.



MODEL 407

Model 407 LED Indicator Lights are chrome plated brass with a large dish shaped reflector around the LED to produce a much larger illuminated area. Also available with the black anodized body. Voltages range from 2 to 24 with a built-in resistor. Panel mount in 7mm hole with nut and washer provided. 2 volt versions mount in 6mm hole.

| Part Number   | Color                           | Voltage | Current mA | Luminous Intensity (mcd) |
|---------------|---------------------------------|---------|------------|--------------------------|
| LED-406G      | Green                           | 2.2     | 30         | 0.4                      |
| LED-406G-5    | Green                           | 5.0     | 30         | 10                       |
| LED-406G-12   | Green                           | 12.0    | 30         | 10                       |
| LED-406G-24   | Green                           | 24.0    | 30         | 10                       |
| LED-406GBO    | Green - Black Body              | 2.1     | 30         | 1.0                      |
| LED-406GBO-5  | Green - Black Body              | 5.0     | 30         | 10                       |
| LED-406GBO-12 | Green - Black Body              | 12.0    | 30         | 10                       |
| LED-406GBO-24 | Green - Black Body              | 24.0    | 30         | 10                       |
| LED-406R      | Red                             | 2.0     | 30         | 0.6                      |
| LED-406R-5    | Red                             | 5.0     | 30         | 10                       |
| LED-406R-12   | Red                             | 12.0    | 30         | 10                       |
| LED-406R-24   | Red                             | 24.0    | 30         | 10                       |
| LED-406RBO    | Red - Black Body                | 2.0     | 30         | 0.6                      |
| LED-406RBO-5  | Red - Black Body                | 5.0     | 30         | 10                       |
| LED-406RBO-12 | Red - Black Body                | 12.0    | 30         | 10                       |
| LED-406RBO-24 | Red - Black Body                | 24.0    | 30         | 10                       |
| LED-406R/G    | Red/Green Bi-Color              | 2.0     | 30         | 0.6                      |
| LED-406R/GBO  | Red/Green Bi-Color - Black Body | 2.0     | 30         | 0.6                      |
| LED-406Y      | Yellow                          | 2.1     | 25         | 2.5                      |
| LED-406Y-5    | Yellow                          | 5.0     | 30         | 1.6                      |
| LED-406Y-12   | Yellow                          | 12.0    | 30         | 1.6                      |
| LED-406Y-24   | Yellow                          | 24.0    | 30         | 1.6                      |
| LED-406YBO    | Yellow - Black Body             | 2.1     | 25         | 2.5                      |
| LED-406YBO-5  | Yellow - Black Body             | 5.0     | 30         | 1.6                      |
| LED-406YBO-12 | Yellow - Black Body             | 12.0    | 30         | 1.6                      |
| LED-406YBO-24 | Yellow - Black Body             | 24.0    | 30         | 1.6                      |

Panel Hole: 7mm, 2V Versions 6mm

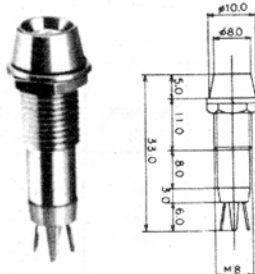
| Part Number   | Color                           | Voltage | Current mA | Luminous Intensity (mcd) |
|---------------|---------------------------------|---------|------------|--------------------------|
| LED-407G      | Green                           | 2.1     | 30         | 1.0                      |
| LED-407G-5    | Green                           | 5.0     | 30         | 10                       |
| LED-407G-12   | Green                           | 12.0    | 30         | 10                       |
| LED-407G-24   | Green                           | 24.0    | 30         | 10                       |
| LED-407GBO    | Green - Black Body              | 2.1     | 30         | 1.0                      |
| LED-407GBO-5  | Green - Black Body              | 5.0     | 30         | 10                       |
| LED-407GBO-12 | Green - Black Body              | 12.0    | 30         | 10                       |
| LED-407GBO-24 | Green - Black Body              | 24.0    | 30         | 10                       |
| LED-407R      | Red                             | 2.0     | 30         | 0.6                      |
| LED-407R-5    | Red                             | 5.0     | 30         | 10                       |
| LED-407R-12   | Red                             | 12.0    | 30         | 10                       |
| LED-407R-24   | Red                             | 24.0    | 30         | 10                       |
| LED-407RBO    | Red - Black Body                | 2.0     | 30         | 0.6                      |
| LED-407RBO-5  | Red - Black Body                | 5.0     | 30         | 10                       |
| LED-407RBO-12 | Red - Black Body                | 12.0    | 30         | 10                       |
| LED-407RBO-24 | Red - Black Body                | 24.0    | 30         | 10                       |
| LED-407R/G    | Red/Green Bi-Color              | 2.0     | 30         | 0.6                      |
| LED-407R/GBO  | Red/Green Bi-Color - Black Body | 2.0     | 30         | 0.6                      |
| LED-407Y      | Yellow                          | 2.1     | 25         | 2.5                      |
| LED-407Y-5    | Yellow                          | 5.0     | 30         | 1.6                      |
| LED-407Y-12   | Yellow                          | 12.0    | 30         | 1.6                      |
| LED-407Y-24   | Yellow                          | 24.0    | 30         | 1.6                      |
| LED-407YBO    | Yellow - Black Body             | 2.1     | 25         | 2.5                      |
| LED-407YBO-5  | Yellow - Black Body             | 5.0     | 30         | 1.6                      |
| LED-407YBO-12 | Yellow - Black Body             | 12.0    | 30         | 1.6                      |
| LED-407YBO-24 | Yellow - Black Body             | 24.0    | 30         | 1.6                      |

Panel Hole: 7mm, 2V Versions 6mm

13

PILLOT LIGHTS &amp; INDICATORS

## Models 440

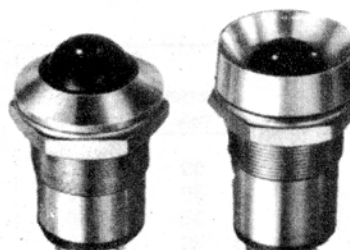


MODEL 440

The Model 440 LED Indicator Light is a larger version of the Model 407. Available with either chrome body or black anodized body. Voltages range from 2 to 24 with built-in resistor. 2 volt versions slightly shorter in length.

| Part Number   | Color               | Voltage | Current mA | Luminous Intensity (mcd) |
|---------------|---------------------|---------|------------|--------------------------|
| LED-440G      | Green               | 2.0     | 30         | 15                       |
| LED-440G-5    | Green               | 5.0     | 30         | 15                       |
| LED-440G-12   | Green               | 12.0    | 30         | 15                       |
| LED-440G-24   | Green               | 24.0    | 30         | 15                       |
| LED-440GBO    | Green - Black Body  | 2.0     | 30         | 15                       |
| LED-440GBO-5  | Green - Black Body  | 5.0     | 30         | 15                       |
| LED-440GBO-12 | Green - Black Body  | 12.0    | 30         | 15                       |
| LED-440GBO-24 | Green - Black Body  | 24.0    | 30         | 15                       |
| LED-440R      | Red                 | 2.0     | 30         | 15                       |
| LED-440R-5    | Red                 | 5.0     | 30         | 15                       |
| LED-440R-12   | Red                 | 12.0    | 30         | 15                       |
| LED-440R-24   | Red                 | 24.0    | 30         | 15                       |
| LED-440RBO    | Red - Black Body    | 2.0     | 30         | 15                       |
| LED-440RBO-5  | Red - Black Body    | 5.0     | 30         | 15                       |
| LED-440RBO-12 | Red - Black Body    | 12.0    | 30         | 15                       |
| LED-440RBO-24 | Red - Black Body    | 24.0    | 30         | 15                       |
| LED-440Y      | Yellow              | 2.0     | 30         | 2.5                      |
| LED-440Y-5    | Yellow              | 5.0     | 30         | 2.5                      |
| LED-440Y-12   | Yellow              | 12.0    | 30         | 2.5                      |
| LED-440Y-24   | Yellow              | 24.0    | 30         | 2.5                      |
| LED-440YBO    | Yellow - Black Body | 2.0     | 30         | 2.5                      |
| LED-440YBO-5  | Yellow - Black Body | 5.0     | 30         | 2.5                      |
| LED-440YBO-12 | Yellow - Black Body | 12.0    | 30         | 2.5                      |
| LED-440YBO-24 | Yellow - Black Body | 24.0    | 30         | 2.5                      |

## Models 420/430 Ultra Large Light Emitting Diode



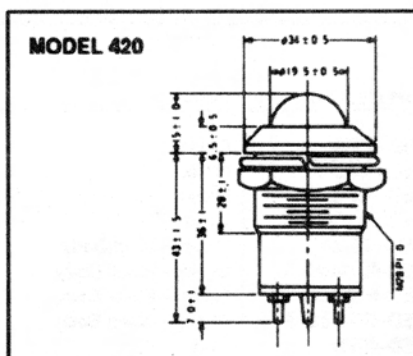
MODEL 420

MODEL 430

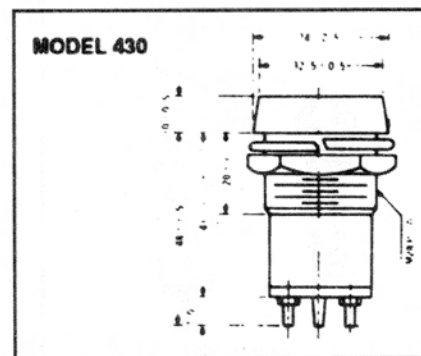
Model 420 Ultra-Large LED Indicator Lights are similar in appearance to the Model 406. The LED is installed in a manner that the lens of the LED forms a macrodome lens for the indicator light.

The Model 430 Ultra-Large LED Indicator Light looks similar to the Model 407. A large dish shaped reflector around the LED produces a much larger illuminated area.

These indicator lights come with a built-in resistor for 12, 24 or 100VDC. Other voltages are optional.

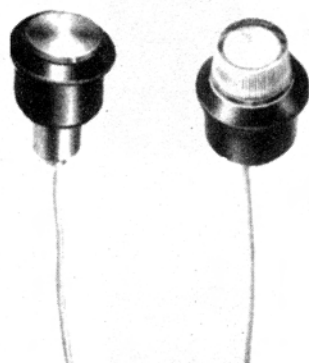


Panel Hole: 28.5mm



| Part Number                  | Color  | Voltage | Current mA | Luminous Intensity (mcd) |
|------------------------------|--------|---------|------------|--------------------------|
| LED-420G-12 or LED-430G-12   | Green  | 12V     | 20         | 4.0                      |
| LED-420G-24 or LED-430G-24   | Green  | 24V     | 20         | 4.0                      |
| LED-420G-100 or LED-430G-100 | Green  | 100V    | 20         | 4.0                      |
| LED-420R-12 or LED-430R-12   | Red    | 12V     | 20         | 5.0                      |
| LED-420R-24 or LED-430R-24   | Red    | 24V     | 20         | 5.0                      |
| LED-420R-100 or LED-430R-100 | Red    | 100V    | 20         | 5.0                      |
| LED-420Y-12 or LED-430Y-12   | Yellow | 12V     | 20         | 4.0                      |
| LED-420Y-24 or LED-430Y-24   | Yellow | 24V     | 20         | 4.0                      |
| LED-420Y-100 or LED-430Y-100 | Yellow | 100V    | 20         | 4.0                      |

## Models 100/101



MODEL 100      MODEL 101

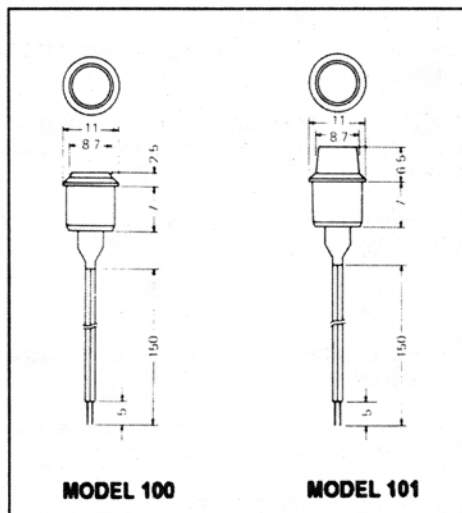
Models 100/101 Indicator Light assemblies are a modular concept that provides low cost and great versatility. These lights mount by means of a rubber bushing snapped into a 9mm diameter panel cutout, without nuts or washers. A variety of light sources, Incandescent, Neon, Green Glow and LED's, fit into the bushing and a complete color selection of lens assemblies are slipped in from the top.

The 100/101 models offer a great advantage in that the lens assembly may be mounted independently from the light source and mated in the final assembly stage. Lens colors or light sources may be interchanged at any time.

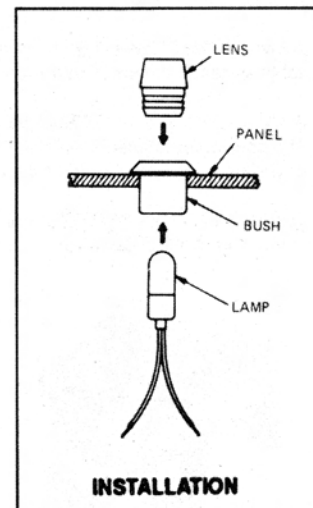
### HOW TO ORDER

LIGHT      LENS      LENS  
SOURCE      STYLE      COLOR

EXAMPLE: F606-100-R



Panel Hole: 9.0mm



## LIGHT SOURCE

| Lamp No. | Type         | Voltage    | Max. Current mA | Avg. Life Hours | Lead Colors     |
|----------|--------------|------------|-----------------|-----------------|-----------------|
| F606     | Incandescent | 5-8.3V     | 50              | 20,000          | White/White     |
| F614     | Incandescent | 12-14V     | 80              | 30,000          | Red/White       |
| F628     | Incandescent | 24-28V     | 40              | 30,000          | Brown/White     |
| G5115    | Green Glow   | 100-120VAC | 1.5             | 10,000          | Green/Green     |
| G5240    | Green Glow   | 220-240VAC | 1.5             | 10,000          | Blue/Blue       |
| L617GL   | Green LED    | 1.9 TYP    | 10              | ---             | Red - Anode     |
| L617RL   | Red LED      | 2.0 TYP    | 10              | ---             | Black - Cathode |
| L617YL   | Yellow LED   | 1.9 TYP    | 10              | ---             |                 |
| N5115    | Neon         | 100-120VAC | 1.5             | 10,000          | Gray/Gray       |
| N5240    | Neon         | 220-240VAC | 1.5             | 10,000          | Blue/Blue       |

6" wire leads are standard on the above light sources, other lead lengths are available on special order.

## LENS/BUSHING ASSEMBLY

| 100 Series - Flush Style |        | 101 Series - Top Hat Style |        |
|--------------------------|--------|----------------------------|--------|
| 100-B                    | Blue   | 101-B                      | Blue   |
| 100-C                    | Clear  | 101-C                      | Clear  |
| 100-G                    | Green  | 101-G                      | Green  |
| 100-R                    | Red    | 101-R                      | Red    |
| 100-W                    | White  | 101-W                      | White  |
| 100-Y                    | Yellow | 101-Y                      | Yellow |

# 13

# P I L O T   L I G H T S   &   I N D I C A T O R S