

ET-16

Light Emitting Diodes

APPLICATION

The ET-16 Light Emitting Diodes (LED's) are designed for application on control panels up to and including a 1/4 inch thickness. This assembly economizes on space and permits ease of replacement for bulbs and resistors.

FEATURES

- 100,000 Hour Life
- Reduced Heat
- Resistance to Shock & Vibration
- Cost Savings
- No Cold Filament Inrush Current

1. These ET-16 LED indicating lamp assemblies consist of three component parts. The lamp receptacle with a resistor (see table 1), the LED lamp - available in three basic colors: Red, Green, and Amber (see table 2), and the lens cap - available in five transparent colors and clear.
2. The ET-16 specifies long-life LEDs and is of the simple "push-twist" type plug design for both the lamp and the resistor. This is accomplished by incorporating a bayonet base on both components.
3. The connection terminals are readily accessible. They are designed for either AMP "FASTON" type connectors, or solder type connectors, or screws.



(Photo 1185877)
Fig. 1. Assembly with Lens Cap

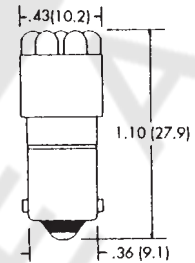


Fig. 2. Lamp with Bayonet Base

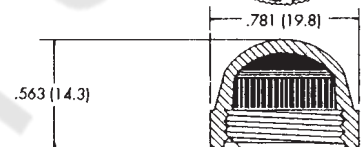
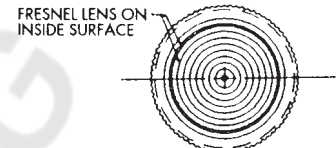


Fig. 3. Lens Specifications

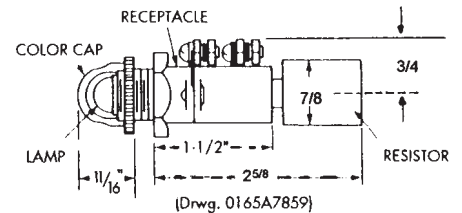
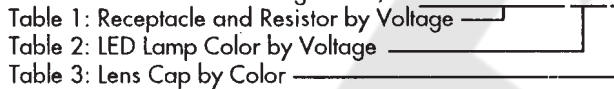


Fig. 4. Lamp Dimensions

HOW TO ORDER ET-16: Determine desired catalog number from tables below.

Example: 24 Vdc, Red LED Lamp, Red Transparent Color Cap

Catalog Number: 116B6708G41R92R4



ET-16 ORDERING TABLES

Table 1 Receptacle with Resistor by Voltage

| Rated Voltage | Min. | Max. | Catalog No. |
|---------------|------|------|-------------|
| 24 Dc | 22 | 28 | 116B6708G41 |
| 48 Dc | 44 | 56 | 116B6708G42 |
| 240 Ac | 195 | 260 | 116B6708G46 |
| 250 Dc | 220 | 280 | 116B6708G44 |
| 70 Ac | 55 | 76 | 116B6708G47 |
| 120 Ac | 95 | 130 | 116B6708G45 |
| 130 Ac | 105 | 140 | 116B6708G48 |
| 125 Dc | 110 | 140 | 116B6708G43 |

Table 2 LED Lamp by Voltage

| Rated Voltage | Lamp Color | Cat. No. Digits |
|---------------|------------|-----------------|
| 24 Dc | Red | R92 |
| | Green | G92 |
| | Amber | A92 |
| | Blue | B92 |
| 48 Dc | Red | R52 |
| | Green | G52 |
| | Amber | A52 |
| | Blue | B52 |
| 240 Ac | Red | R53 |
| | Green | G53 |
| | Amber | A53 |
| | Blue | B53 |
| 250 Dc | Red | R53 |
| | Green | G53 |
| | Amber | A53 |
| | Blue | B53 |
| 70 Ac | Red | R73 |
| | Green | G73 |
| | Amber | A73 |
| | Blue | B73 |
| 120 Ac | Red | R73 |
| | Green | G73 |
| | Amber | A73 |
| | Blue | B73 |
| 130 Ac | Red | R73 |
| | Green | G73 |
| | Amber | A73 |
| | Blue | B73 |
| 125 Dc | Red | R73 |
| | Green | G73 |
| | Amber | A73 |
| | Blue | B73 |

No. 3 - Transparent Color Lens Cap

| Transp. Cap Color | Cat. No. Digits |
|-------------------|-----------------|
| Red | R4 |
| Green | G4 |
| Amber | A4 |
| Blue | B4 |
| Yellow | Y4 |
| Smoke | S4 |
| Clear | C4 |
| None | N4 |

ET-16 RENEWAL PARTS INFORMATION

Receptacle: 116B6709G1

| Rated Voltage | Resistor 165A7844 P | |
|---------------|---------------------|-------------|
| | Part No. | OHMIC Value |
| 24 Dc | 1 | 10 |
| | 2 | 200 |
| | 3 | 4800 |
| | 4 | 5100 |
| 48 Dc | 7 | 750 |
| | 5 | 1900 |
| | 13 | 2300 |
| | 6 | 2000 |

| Lamp Color | LED Lamp 286A5442P GE Part No. |
|------------|--------------------------------|
| Red | R92 |
| Green | G92 |
| Amber | A92 |
| Blue | B92 |
| Yellow | Y92 |
| Red | R52 |
| Green | G52 |
| Amber | A52 |
| Blue | B52 |
| Yellow | Y52 |
| Red | R53 |
| Green | G53 |
| Amber | A53 |
| Blue | B53 |
| Yellow | Y53 |
| Red | R73 |
| Green | G73 |
| Amber | A73 |
| Blue | B73 |
| Yellow | Y73 |

| Lens Cap 286A5443P | Lens Color |
|--------------------|------------|
| R4 | Red |
| G4 | Green |
| A4 | Amber |
| B4 | Blue |
| Y4 | Yellow |
| S4 | Smoke |
| C4 | Clear |

DIMENSIONS NOTE: Subject to change. Should not be used for construction without confirmation.

| Panel Specifications | |
|----------------------------|-------------|
| Type | Drilling |
| Metal up to 1/4" thickness | 21/32" hole |

Recognized under the Component Program of Underwriters Laboratories, Inc.

