

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

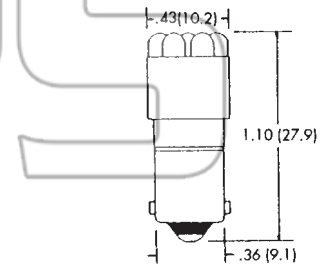


Fig. 2. Lamp with Bayonet Base

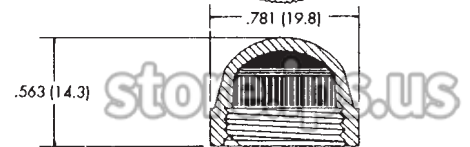
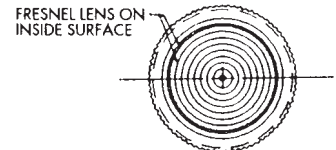


Fig. 3. Lens Specifications

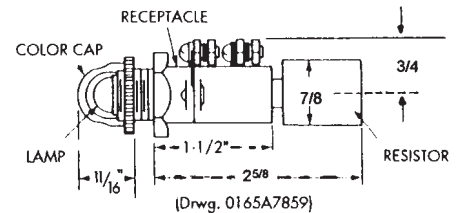
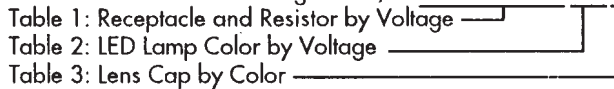


Fig. 4. Lamp Dimensions

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 250 Dc	195 220	260 280	116B6708G46 116B6708G44
70 Ac 120 Ac 130 Ac 125 Dc	55 95 105 110	76 130 140 140	116B6708G47 116B6708G45 116B6708G48 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 250 Dc	Red	R53
	Green	G53
	Amber	A53
	Blue	B53
70 Ac 120 Ac 130 Ac 125 Dc	Red	R73
	Green	G73
	Amber	A73
	Blue	B73
125 Dc	Yellow	Y92
	Yellow	Y52
	Yellow	Y53
	Yellow	Y73

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		Lamp Color	LED Lamp 286A5442P GE Part No.
	Part No.	OHMIC Value		
24 Dc	1	10	Red	R92
			Green	G92
			Amber	A92
			Blue	B92
48 Dc	2	200	Red	R52
			Green	G52
			Amber	A52
			Blue	B52
240 Ac 250 Dc	3 4	4800 5100	Red	R53
			Green	G53
			Amber	A53
			Blue	B53
70 Ac 120 Ac 130 Ac 125 Dc	7 5 13 6	750 1900 2300 2000	Red	R73
			Green	G73
			Amber	A73
			Blue	B73
125 Dc	6	2000	Yellow	Y92
			Yellow	Y52
			Yellow	Y53
			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.

