



Features

- Panel Mounting Diameter 22mm (7/8 in.)
- Low Cost Replacement to Industry Standard 22mm Pilot Lights
- Long Life 100,000+ hrs (10 years)
- Solid-State, High Shock/Vibration Resistant
- Maintenance Free, Easy Installation

- Combination Terminals
- Low Power, High Intensity
- Major Power Savings
- Major Reduction in Heat Generation
- Built-in Current Limiting Resistor

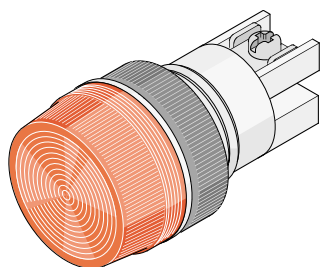
Options

- Special Voltages/Cluster
- Sunlight Visible Super Bright or High Efficiency LEDs
- Bi-Colors, Tri-Colors, RGB, IR
- Splash Proof - Moisture Proof
- Non Relampable Available
- Flashing / Blinking
- Diffuser (For Use with Legend Inserts)

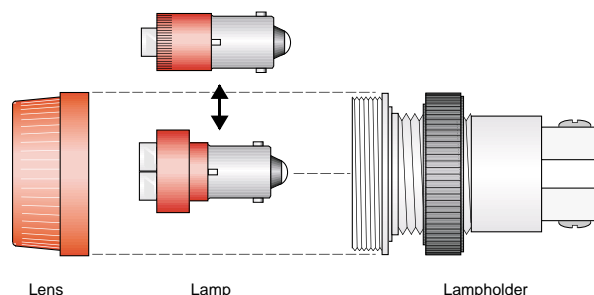
Complete Lamp Assembly

Part Number Includes: Lens, Lamp & Holder

BS851CXF-XXV-XX (BF321 LED Lamp)
BS854CXF-XXV-XX (BF304 LED Lamp)



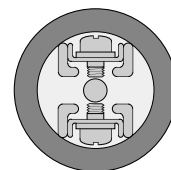
Assembly Diagram



Combination Terminals

Can Accept:

- 0.25" female quick connect
- Wire clamp for bare wire (up to 12 AWG)
- Fork lug quick connect



End View

1 LED / Lamp Assembly (Recommended for Low Ambient Light Conditions)

Part Number Example

Physical Characteristics

BS851 CRF

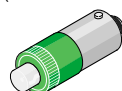
Electrical Characteristics

28V

Polarity

BP

Series / No. of LEDs
BS851 = 1 LED
(BF321 LED Lamp)



Flat Top LED
for Wide Angle

Lens Color

- CRF = Clear Red
- CAF = Clear Amber
- CYF = Clear Yellow
- CGF = Clear Green
- CBF = Clear Blue
- CWF = Clear

Std. Operating Voltage

DC	AC
5/6V	120V
12/14V	240V
24/28V	
48V	
130V	

Options

- BP = Bipolar (For DC Use Only)
- P = Center Contact Positive
- N = Center Contact Negative
- AC = AC Only

4 LED / Lamp Assembly (Recommended for Sunlight-Visible Light Conditions)

Part Number Example

Physical Characteristics

BS854 CRF

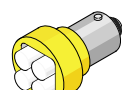
Electrical Characteristics

28V

Polarity

BP

Series / No. of LEDs
BS854 = 4 LED
(BF304 LED Lamp)



Flat Top LED
for Wide Angle

Lens Color

- CRF = Clear Red
- CAF = Clear Amber
- CYF = Clear Yellow
- CGF = Clear Green
- CBF = Clear Blue
- CWF = Clear

Std. Operating Voltage

DC	AC
5/6V	120V
12/14V	240V
24/28V	
48V	
130V	

Options

- BP = Bipolar (For DC Use Only)
- P = Center Contact Positive
- N = Center Contact Negative
- AC = AC Only

- Notes: 1. Contact local representative to determine best style for each application
2. Not all possible combinations of color, voltage and polarity are available

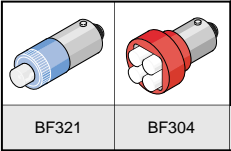


Energy Efficient Relampable Panel Mount

22mm Low Cost LED Indicators

LED Lamp Replacement

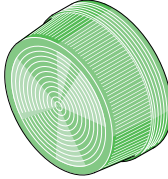
Physical Characteristics		Electrical Characteristics	Polarity	Options
Part Number Example	BF321 C R3K	28V	BP	
Series / No. of LEDs BF321 = 1 LED BF304 = 4 LED Cluster	LED Lens Type Clear	LED/Chip Brightness Code * (See Note No. 2) R3K = UL Red (660nm) E3K = HE Red (626nm) O3K = SP Orange (610nm) Y3K = SP Yel (595nm) AG6K = SP Green (525nm) B1K = SP Blue (470nm) CW4K = Cool White IW2K = Incand White	Std. Operating Voltage DC 5/6V 120V AC 12/14V 240V 24/28V 48V 130V	Options BP = Bipolar (For DC Use Only) P = Center Contact Positive N = Center Contact Negative AC = AC Only



Flat Top LED for Wide Angle

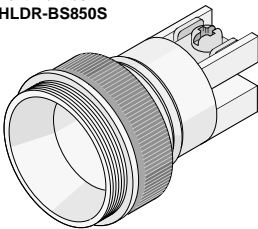
- Notes:**
1. Contact local representative to determine best style for each application
 2. * LED brightness code determined by factory based on application
 3. Not all possible combinations of color, voltage and polarity are available
 4. For best results, match LED lamp color with lens cap color
 5. Water clear lens (-CWF) will work with any color LED

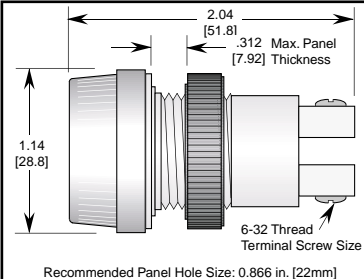
Lens Cap Replacement

Part Number LENS-LCF850-CXF (X = choose color)	0.52 [13.2]		Lens Cap Part Number	Lens Type/Color
	1.14 [28.8]		LENS-LCF850-CRF	Clear Red
			LENS-LCF850-CAF	Clear Amber
			LENS-LCF850-CYF	Clear Yellow
			LENS-LCF850-CGF	Clear Green
			LENS-LCF850-CBF	Clear Blue
			LENS-LCF850-CWF	Water Clear

All dimensions in inches [millimeters]

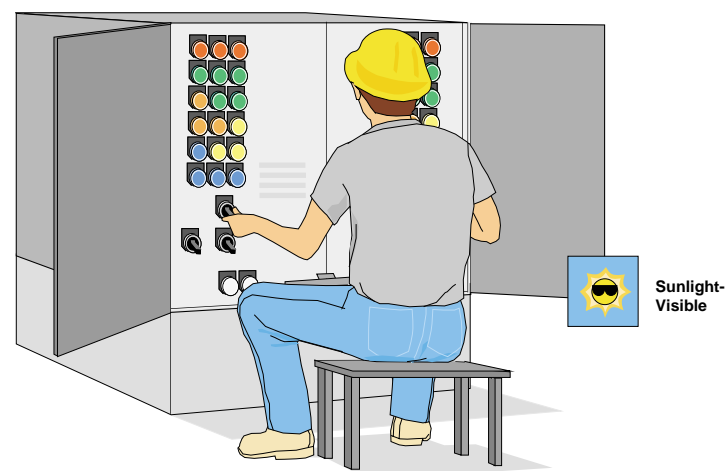
Lamp Holder Replacement

Part Number HLDR-BS850S




Application

- Application Notes:**
- 1 LED lamp assembly recommended for low ambient light conditions.
 - 4 LED lamp assembly recommended for sunlight-visible light conditions.



Please Contact Local Representative or Distributor