

22mm Push Button Accessories



Lenses for Pilot Lights with LED

| Color | Cat No. |
|--|---------|
| <input type="checkbox"/> White | 2PLL1L |
| <input checked="" type="checkbox"/> Green | 2PLL3L |
| <input checked="" type="checkbox"/> Red | 2PLL4L |
| <input checked="" type="checkbox"/> Amber | 2PLL5L |
| <input checked="" type="checkbox"/> Blue | 2PLL6L |
| <input checked="" type="checkbox"/> Clear | 2PLL7L |
| <input checked="" type="checkbox"/> Yellow | 2PLL8L |

Lenses for Illuminated Actuators with LED (flush/projecting)

| Color | Cat No. |
|--|---------|
| <input type="checkbox"/> White | 2LAL1L |
| <input checked="" type="checkbox"/> Green | 2LAL3L |
| <input checked="" type="checkbox"/> Red | 2LAL4L |
| <input checked="" type="checkbox"/> Amber | 2LAL5L |
| <input checked="" type="checkbox"/> Blue | 2LAL6L |
| <input checked="" type="checkbox"/> Clear | 2LAL7L |
| <input checked="" type="checkbox"/> Yellow | 2LAL8L |

Boots for Booted Actuators

| Color | Cat No. |
|--|---------|
| <input type="checkbox"/> White | 2BT1 |
| <input checked="" type="checkbox"/> Black | 2BT2 |
| <input checked="" type="checkbox"/> Green | 2BT3 |
| <input checked="" type="checkbox"/> Red | 2BT4 |
| <input checked="" type="checkbox"/> Blue | 2BT6 |
| <input checked="" type="checkbox"/> Clear | 2BT7 |
| <input checked="" type="checkbox"/> Yellow | 2BT8 |

Lenses for Pilot Lights with Filament Bulb

| Color | Cat No. |
|--|---------|
| <input type="checkbox"/> White | 2PLL1 |
| <input checked="" type="checkbox"/> Green | 2PLL3 |
| <input checked="" type="checkbox"/> Red | 2PLL4 |
| <input checked="" type="checkbox"/> Amber | 2PLL5 |
| <input checked="" type="checkbox"/> Blue | 2PLL6 |
| <input checked="" type="checkbox"/> Clear | 2PLL7 |
| <input checked="" type="checkbox"/> Yellow | 2PLL8 |

Lenses for Illuminated Actuators with Filament Bulb

| Color | Cat No. |
|--|---------|
| <input type="checkbox"/> White | 2LAL1 |
| <input checked="" type="checkbox"/> Green | 2LAL3 |
| <input checked="" type="checkbox"/> Red | 2LAL4 |
| <input checked="" type="checkbox"/> Amber | 2LAL5 |
| <input checked="" type="checkbox"/> Blue | 2LAL6 |
| <input checked="" type="checkbox"/> Clear | 2LAL7 |
| <input checked="" type="checkbox"/> Yellow | 2LAL8 |



Replacement LED Bulbs

| Color | Voltage | Cat No. | Color | Voltage | Cat No. |
|--|-----------|---------|--|------------|-----------|
| 12V AC/DC | | | 110V AC/DC | | |
| <input type="checkbox"/> White | 12V AC/DC | MCB9112 | <input type="checkbox"/> White | 110V AC/DC | MCB91110 |
| <input checked="" type="checkbox"/> Green | 12V AC/DC | MCB9312 | <input checked="" type="checkbox"/> Green | 110V AC/DC | MCB93110 |
| <input checked="" type="checkbox"/> Red | 12V AC/DC | MCB9412 | <input checked="" type="checkbox"/> Red | 110V AC/DC | MCB94110 |
| <input checked="" type="checkbox"/> Amber | 12V AC/DC | MCB9512 | <input checked="" type="checkbox"/> Amber | 110V AC/DC | MCB95110 |
| <input checked="" type="checkbox"/> Blue | 12V AC/DC | MCB9612 | <input checked="" type="checkbox"/> Blue | 110V AC/DC | MCB96110 |
| <input checked="" type="checkbox"/> Yellow | 12V AC/DC | MCB9812 | <input checked="" type="checkbox"/> Yellow | 110V AC/DC | MCB98110 |
| 24V AC/DC | | | 230V AC | | |
| <input type="checkbox"/> White | 24V AC/DC | MCB9124 | <input type="checkbox"/> White | 230V AC | MCB91230 |
| <input checked="" type="checkbox"/> Green | 24V AC/DC | MCB9324 | <input checked="" type="checkbox"/> Green | 230V AC | MCB93230 |
| <input checked="" type="checkbox"/> Red | 24V AC/DC | MCB9424 | <input checked="" type="checkbox"/> Red | 230V AC | MCB94230 |
| <input checked="" type="checkbox"/> Amber | 24V AC/DC | MCB9524 | <input checked="" type="checkbox"/> Amber | 230V AC | MCB95230 |
| <input checked="" type="checkbox"/> Blue | 24V AC/DC | MCB9624 | <input checked="" type="checkbox"/> Blue | 230V AC | MCB96230 |
| <input checked="" type="checkbox"/> Yellow | 24V AC/DC | MCB9824 | <input checked="" type="checkbox"/> Yellow | 230V AC | MCB98230 |
| 48V AC/DC | | | 230V DC | | |
| <input type="checkbox"/> White | 48V AC/DC | MCB9148 | <input type="checkbox"/> White | 230V DC | MCB91230D |
| <input checked="" type="checkbox"/> Green | 48V AC/DC | MCB9348 | <input checked="" type="checkbox"/> Green | 230V DC | MCB93230D |
| <input checked="" type="checkbox"/> Red | 48V AC/DC | MCB9448 | <input checked="" type="checkbox"/> Red | 230V DC | MCB94230D |
| <input checked="" type="checkbox"/> Amber | 48V AC/DC | MCB9548 | <input checked="" type="checkbox"/> Amber | 230V DC | MCB95230D |
| <input checked="" type="checkbox"/> Blue | 48V AC/DC | MCB9648 | <input checked="" type="checkbox"/> Blue | 230V DC | MCB96230D |
| <input checked="" type="checkbox"/> Yellow | 48V AC/DC | MCB9848 | <input checked="" type="checkbox"/> Yellow | 230V DC | MCB98230D |

Filament Bulbs

| Color | Voltage | Cat No. |
|---|------------|---------|
| <input type="checkbox"/> Clear | 12V AC/DC | BA9S12 |
| <input checked="" type="checkbox"/> Clear | 24V AC/DC | BA9S24 |
| <input type="checkbox"/> Clear | 48V AC/DC | BA9S48 |
| <input type="checkbox"/> Clear | 110V AC/DC | BA9S110 |
| <input type="checkbox"/> Clear | 230V AC/DC | BA9S220 |

Maximum Power Consumption:

| LED | | | FILAMENT BULBS | |
|----------------|----------------------|----------|----------------------|-----------|
| Supply Voltage | Power (max) in Watts | Current | Power (max) in Watts | Current |
| 12V | 0.5W | max 20mA | 2W | max 166mA |
| 24V | 0.5W | max 20mA | 2W | max 85mA |
| 48V | 0.5W | max 20mA | 2W | max 45mA |
| 110V | 0.5W | max 15mA | 2.6W | max 20mA |
| 240V | 1W | max 10mA | 2.6W | max 20mA |

These bulbs are available in various colors and Voltages. A filament bulb can be directly replaced with these LED based bulbs without having to change any other expensive part of your existing lamps.

These bulbs use high brightness LED chips which last for more than 100,000 hours and consume very little power. Heat generated by LED based bulbs is negligible hence no damage to the body of the lamp or any operator in case of illuminated push buttons.

These bulbs can be used to replace 12V AC/DC, 24V AC/DC, 48V AC/DC, 110V AC/DC and 240V AC or DC circuits directly. LED color indication is given on the bulb for easy identification.

Conforming Standards: UL508, CSA 22.2, IEC 60947-5-1