

# 22mm Push Button Accessories



## Replacement Lens for Illuminated Mushroom Operators

Color	Cat No.
<input type="checkbox"/> White	2ALM1L
<input checked="" type="checkbox"/> Green	2ALM3L
<input checked="" type="checkbox"/> Red	2ALM4L
<input checked="" type="checkbox"/> Amber	2ALM5L
<input checked="" type="checkbox"/> Blue	2ALM6L
<input type="checkbox"/> Clear	2ALM7L
<input checked="" type="checkbox"/> Yellow	2ALM8L

## 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 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 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 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 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 type="checkbox"/> Clear	2LAL7
<input checked="" type="checkbox"/> Yellow	2LAL8

## Replacement Bulbs



### Filament Bulbs

Color	Voltage	Cat No.
<input type="checkbox"/> Clear	12V AC/DC	BA9S12
<input 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

### LED Bulbs

Color	Voltage	Cat No.
<input type="checkbox"/> White	12V AC/DC	MCB9112
<input checked="" type="checkbox"/> Green	12V AC/DC	MCB9312
<input checked="" type="checkbox"/> Red	12V AC/DC	MCB9412
<input checked="" type="checkbox"/> Amber	12V AC/DC	MCB9512
<input checked="" type="checkbox"/> Blue	12V AC/DC	MCB9612
<input checked="" type="checkbox"/> Yellow	12V AC/DC	MCB9812

### LED Bulbs

Color	Voltage	Cat No.	Color	Voltage	Cat No.
<b>110V AC</b>					
<input type="checkbox"/> White	110V AC	MCB91110	<input type="checkbox"/> White	230V AC	MCB91230
<input checked="" type="checkbox"/> Green	110V AC	MCB93110	<input checked="" type="checkbox"/> Green	230V AC	MCB93230
<input checked="" type="checkbox"/> Red	110V AC	MCB94110	<input checked="" type="checkbox"/> Red	230V AC	MCB94230
<input checked="" type="checkbox"/> Amber	110V AC	MCB95110	<input checked="" type="checkbox"/> Amber	230V AC	MCB95230
<input checked="" type="checkbox"/> Blue	110V AC	MCB96110	<input checked="" type="checkbox"/> Blue	230V AC	MCB96230
<input checked="" type="checkbox"/> Yellow	110V AC	MCB98110	<input checked="" type="checkbox"/> Yellow	230V AC	MCB98230
<b>110V DC</b>					
<input type="checkbox"/> White	110V DC	MCB91110D	<input type="checkbox"/> White	230V DC	MCB91230D
<input checked="" type="checkbox"/> Green	110V DC	MCB93110D	<input checked="" type="checkbox"/> Green	230V DC	MCB93230D
<input checked="" type="checkbox"/> Red	110V DC	MCB94110D	<input checked="" type="checkbox"/> Red	230V DC	MCB94230D
<input checked="" type="checkbox"/> Amber	110V DC	MCB95110D	<input checked="" type="checkbox"/> Amber	230V DC	MCB95230D
<input checked="" type="checkbox"/> Blue	110V DC	MCB96110D	<input checked="" type="checkbox"/> Blue	230V DC	MCB96230D
<input checked="" type="checkbox"/> Yellow	110V DC	MCB98110D	<input checked="" type="checkbox"/> Yellow	230V DC	MCB98230D
<b>24V AC/DC</b>					
<input type="checkbox"/> White	24V AC/DC	MCB9124	<input type="checkbox"/> White	48V AC/DC	MCB9148
<input checked="" type="checkbox"/> Green	24V AC/DC	MCB9324	<input checked="" type="checkbox"/> Green	48V AC/DC	MCB9348
<input checked="" type="checkbox"/> Red	24V AC/DC	MCB9424	<input checked="" type="checkbox"/> Red	48V AC/DC	MCB9448
<input checked="" type="checkbox"/> Amber	24V AC/DC	MCB9524	<input checked="" type="checkbox"/> Amber	48V AC/DC	MCB9548
<input checked="" type="checkbox"/> Blue	24V AC/DC	MCB9624	<input checked="" type="checkbox"/> Blue	48V AC/DC	MCB9648
<input checked="" type="checkbox"/> Yellow	24V AC/DC	MCB9824	<input checked="" type="checkbox"/> Yellow	48V AC/DC	MCB9848

## Maximum Power Consumption:

Supply Voltage	LED		FILAMENT BULBS	
	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 or 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