

22mm Push Button Accessories



Altech

Replacement Lens for Illuminated Mushroom Operators

Color	Cat No.
☐ White	2ALM1L
☒ Green	2ALM3L
☒ Red	2ALM4L
☒ Amber	2ALM5L
☒ Blue	2ALM6L
☒ Clear	2ALM7L
☒ Yellow	2ALM8L

Lenses for Pilot Lights with LED

Color	Cat No.
☐ White	2PLL1L
☒ Green	2PLL3L
☒ Red	2PLL4L
☒ Amber	2PLL5L
☒ Blue	2PLL6L
☒ Clear	2PLL7L
☒ Yellow	2PLL8L

Lenses for Illuminated Actuators with LED (flush/projecting)

Color	Cat No.
☐ White	2LAL1L
☒ Green	2LAL3L
☒ Red	2LAL4L
☒ Amber	2LAL5L
☒ Blue	2LAL6L
☒ Clear	2LAL7L
☒ Yellow	2LAL8L

Boots for Booted Actuators

Color	Cat No.
☐ White	2BT1
☒ Black	2BT2
☒ Green	2BT3
☒ Red	2BT4
☒ Blue	2BT6
☒ Clear	2BT7
☒ Yellow	2BT8

Lenses for Pilot Lights with Filament Bulb

Color	Cat No.
☐ White	2PLL1
☒ Green	2PLL3
☒ Red	2PLL4
☒ Amber	2PLL5
☒ Blue	2PLL6
☒ Clear	2PLL7
☒ Yellow	2PLL8

Lenses for Illuminated Actuators with Filament Bulb

Color	Cat No.
☐ White	2LAL1
☒ Green	2LAL3
☒ Red	2LAL4
☒ Amber	2LAL5
☒ Blue	2LAL6
☒ Clear	2LAL7
☒ Yellow	2LAL8

Replacement Bulbs



Filament Bulbs

Color	Voltage	Cat No.
☐ Clear	12V AC/DC	BA9S12
☐ Clear	24V AC/DC	BA9S24
☐ Clear	48V AC/DC	BA9S48
☐ Clear	110V AC/DC	BA9S110
☐ Clear	230V AC/DC	BA9S220

LED Bulbs

Color	Voltage	Cat No.
☐ White	12V AC/DC	MCB9112
☒ Green	12V AC/DC	MCB9312
☒ Red	12V AC/DC	MCB9412
☒ Amber	12V AC/DC	MCB9512
☒ Blue	12V AC/DC	MCB9612
☒ Yellow	12V AC/DC	MCB9812

LED Bulbs

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

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 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

Mouser Electronics

Authorized Distributor

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Altech:

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[2LAL1](#) [2BT1](#) [2LAL4L](#) [2PLL5L](#) [2PLL4](#) [2PLL8](#) [2PLL7L](#) [2BT3](#) [2LAL8](#) [2BT8](#) [2LAL4](#) [2LAL7](#) [2LAL7L](#) [2LAL3L](#) [2PLL1](#)
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