

Color Filter

Application:

Available where color filtering of a tungsten halogen or metal halide lamp source is desired. The color filter assembly replaces the standard luminaire door frame, matching the appearance of the standard door.

Note: The use of color filters will cause the projected light pattern to noticeably shrink. Increase the setback distance and/or decrease the spacing between luminaires to maintain uniformity on the lighted surface.

Color filters are available for most surface mounted luminaires with the mitred extruded aluminum door frame (not for use with KO Series® or Ensconce® units). Color filters are not available in all wattages for all luminaire styles. See table for listing of luminaire styles with wattage and color glass transmission guidelines. For use of color filters with semi-recessed adjustable units (Styles 203/206 and 204), consult factory.

Construction:

3/32" thick colored glass strips are sandwiched between the standard micro-prismatic tempered glass lens and a clear flat tempered glass overlay. A continuous bead of silicone along the inside edge of the frame prevents moisture and dirt accumulation between the glass layers.

Filter Color:

To specify filter color, provide representative gel manufacturer and color number (example: Rosco #68 "Sky Blue"). Sample approval may be required. Consult factory prior to specification.

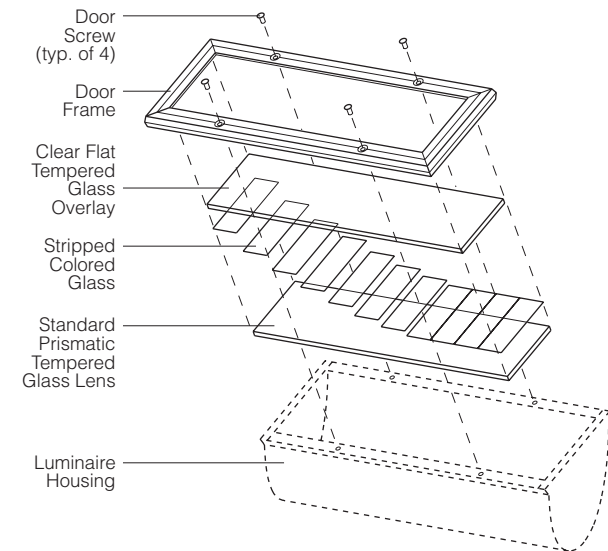
Luminaire Style Number	Reflector Length (nominal)	Maximum Lamp Wattage	Minimum Allowable Color Glass Transition
101/102, 120, 133, 401/402	11" Small	200W TH, 70W MH	5% if blue, 10% if other than blue
103/104, 107/108, 113/114 (hex), 137, 408/409	12" Large	350W TH, 175W MH	5% if blue, 15% if other than blue
	17" Large	500W TH, 400W MH	
	24" Large	900W TH	

Ordering Information:

Note: Consult local sales representative or factory for complete ordering information.

ACF Series = Stripped glass color filter door assembly. (non-interchangeable). Can be used with standard cutoff visor or cross baffle for additional shielding.

AXF Series = Interchangeable color filter assembly with exchangeable frame with stripped color glass. Optional cutoff visor and cross baffle. Similar to Wet Location Color Filter (see Outdoor Accessory page OA-7.0 for additional details).



MRI Environment Option

Application:

For use with Styles 101/102, 103/104 and 403 Ensconce tungsten halogen units installed in medical spaces designed for operating MRI (magnetic resonance imaging) equipment. The luminaires are constructed to meet the physical demands of the environment, and indirect lighting is ideally suited to spaces where patients are reclined and would experience glare from direct sources.

Lamp sources in MRI spaces must be incandescent, as ballasted sources (fluorescent, HID) generate RF noise which interferes with MRI equipment.

An MRI generates a powerful magnetic field which stresses tungsten filaments. Alternating current (AC) compounds this problem by causing the filament to oscillate in the magnetic field, dramatically reducing lamp life. It is therefore recommended that tungsten halogen luminaires in MRI spaces be operated on direct current (DC). Incandescent lamps operated on AC in an MRI space can fail 20 to 25 times earlier than those operated in the same space on DC.

Construction:

An MRI's strong magnetic field demands that light fixtures be non-magnetic. While elliptipar luminaires are normally composed of chiefly non-magnetic materials, units specified with this option are supplied with additional non-ferrous hardware and components.

Ordering Information:

MRI option is specified in luminaire option code. See luminaire data pages for applicable fixture types.

Ultraviolet (UV) Filter Lens

Application:

For use with small reflector tungsten halogen and metal halide luminaires to provide a higher degree of protection against fading of the lighted surface due to UV energy than is available from the standard glass lens.

Fading of light-sensitive displays depends upon the light source's spectral distribution, the illuminance level on the display, the duration of exposure, and the display's ability to resist fading. Doubling the illuminance level or the duration of exposure typically causes a display to fade twice as fast. For a given illuminance level, a source with more energy in the UV spectrum will fade a display faster than a source with less UV energy.

Note: UV filter glass has a slight yellow cast. However, tungsten halogen color rendering remains 99+.

Construction:

Clear (non-prismatic) UV filtering tempered glass lens is layered with the standard micro-prismatic lens in the mitred extruded aluminum door frame or die-cast hood.

Ordering Information:

AUV000 | 0 = Ultraviolet (UV) filter lens

- 1 = small fluted reflector with bright anodized door frame (Styles 101, 401)
- 2 = small smooth reflector with semi-gloss white painted door frame (Styles 102, 120, 203 and 402)
- 3 = small semi-recessed hood (Styles 201, 205)

Transmission Curves

