



ADJUSTABILITY

Lamp holder is designed to ensure the center beam of the light bulb emerges out of fixture at any angled position from 0° to 359° horizontally and 0° to 45° vertically with a screw driver.



DESCRIPTION:

The 3 inch Square Recessed directional, accent, and downlight fully adjustable luminaire, is ideal for retail, hospitality, commercial, and high-end residential applications. Designed around a low voltage MR16 tungsten-halogen lamp is available with different shielding options to maximize performance, and help accomplish desired lighting environments.

HOUSING:

Thermally protected, specification grade adjustable recessed housing. For new construction insulated ceilings where housing will be in direct contact with insulation. Die-formed all aluminum construction matt black painted for maximum heat dissipation, rust protection and glare free illumination.

COLLAR BRACKET:

Adjusts vertically and can accommodate any ceiling from 1/2" up to 1" thickness. Please consult factory for custom or thicker ceiling applications. Integral laser beam slots allow the use of guide strings or leveling laser guns to ensure that all luminaires are installed in an level and straight plane. Collar can be rotated up to 45° once the housing is installed in the ceiling (prior to having drywall installed).

TRIM OPTION:

Post painted powder coated Die-Cast trim ring available in white. Please consult factory for custom paint color options. Collar and trim rotate jointly. Solite Frosted Lens is standard on all trims. Please consult factory for additional lens options. Available in lensed adjustable downlight or lensed adjustable wallwash.

TRIM- LESS:

Die-Cast perforated meshcover intended for installation in drywall or plaster ceilings. Mudding maybe applied right up to the edge of the fixture opening to provide seamless appearance. Trim-Less accessory is secured to the housing to prevent fractures in the ceiling and or drywall during and after installation.

AIMING:

Fusion ES3's proprietary hot aiming system allows the lamp to be positioned at the perfect setting to ensure the proper position of the beam of light before trim is installed. Lamp holder is designed to ensure that the center beam of the light bulb emerges out of fixture at any angled position from 0° to 45°. The lamp holder contains degree markings, rotates 359° horizontally and 45° vertically with a screw driver. The lamp holder is lockable at both the vertical and the horizontal plane. The integrity of the design and lamp positioned are kept during relamping or servicing the fixture.

ELECTRICAL/ TRANSFORMER:

Junction box and transformer maybe accessed from below the ceiling and above the ceiling. Junction Box is Listed for through branch circuit wiring, 12 AWG 90° C supply Conductors, and has four 1/2" KOs, one 3/4" KO and four Romex knockouts with true pry-out slots and strain clamps. Transformer supplied is thermally protected Class II dimming electronic transformer enhanced in heat dissipating cover attached to junction box cover. De-rated lamp wattage labeling is available please consult factory.

LAMPS:

GU5.3 Base. Unitized optics solid steel lamp holder grips lamp into place securely and assures proper lamp to housing alignment. Integral reflector allows for maximum heat dissipation, cool operation, and extends the life of the lamp.

LED lamps provided with PHILIPS or GE LED MR16.

MOUNTING:

Preinstalled bar hangers allow housing to be positioned and locked at any point within a 24" joist span. They can be positioned on either the long or short axis of the housing and can be shortened for 12" joists. They contain a double-headed real nail for secure attachment into the joist. Bar hanger nails are installed on a 20° downward angle for better contact, and the 90° pivoting mounting plate makes installation fast and accurate. Bar hangers can fit onto T-Bar spline with additional slots and holes for special mounting methods if necessary. Butterfly brackets are also provided and are constructed from 18-gauge steel and can be adjusted vertically. Butterfly brackets may be installed with 3/4" or 1-1/2" lathing channel, 1/2" EMT, or optional C-Channel mounting bars are available.

LABELS:

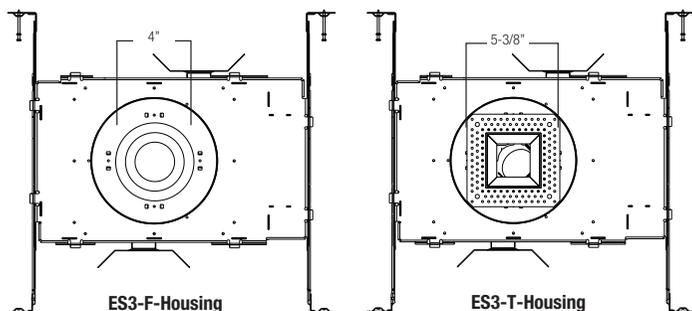
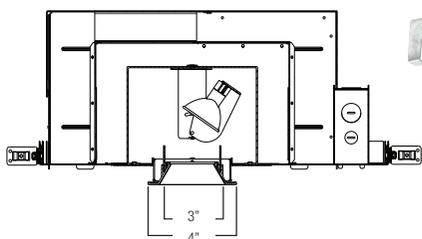
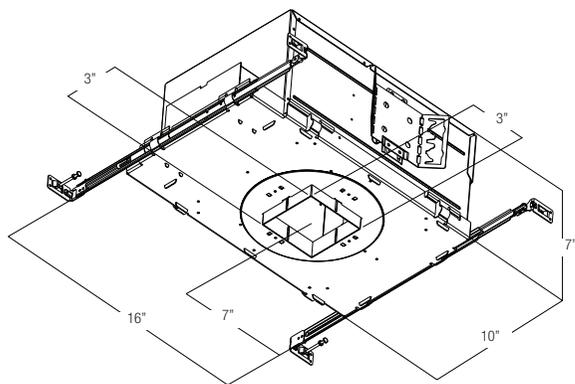
c-UL-us listed for damp location.
 c-UL-us listed for feed Through Wiring.
 c-UL-us listed for direct contact with insulation.

WARRANTY:

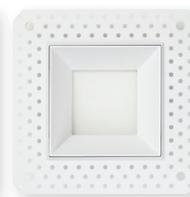
Fusion ES Recessed luminaires are covered by Fusion's one year limited warranty. As a system, we stand behind our entire products from housing to bar hangers.

FUSION ES3 IC SERIES LED/LV DOWNLIGHT

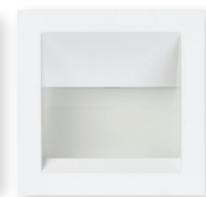
LOW VOLTAGE MR16 ES3 SQUARE APERTURE RECESSED



1302 - Lensed downlight



Trimless



1307 - Lensed wall wash

ES3

FUSION ES3 IC LED / LOW VOLTAGE SERIES

ORDERING INFORMATION

Example: **ES3-F-LV-IC-50W-MR16-E-120-BP31-EFS-1302-W-WH-BP-ES3-MR16-CL**

LUMINAIRE SELECTION

ES3		LV	IC		E			
SERIES	FLANGE OPTION	LIGHT SOURCE	HOUSING TYPE	WATTAGE	BALLAST	VOLTAGE	ACCESSORIES/OPTIONS	OPTIONS
ES3	F - (Flanged) T - (Trimless)	LV - Low voltage	IC - New construction insulated ceiling	20W-MR16 37W-MR16 42W-MR16 50W-MR16	E - (Electronic)	120V 277V	blank - Standard bar hangers (included) BP31 - 27" C-channel bar hangers	RIF - RIF filter
		LED - LED lamp		10W-LED				

TRIM OPTION SELECTION

TRIM FLANGE OPTION	TRIM	TRIM COLOR	TRIM ACCESSORIES
EFS - Flanged trim ETS - Trimless	1302 - Lensed downlight 1307 - Lensed wall wash	W-WH - White SI-SI - Silver	BP-ES3-MR16-CL - Clear Lens BP-ES3-MR16-LI - Linear spread Lens BP-ES3-MR16-SP - Spread/Prismatic Lens BP-ES3-MR16-SO - Solite Lens BP-ES3-MR16-UV - Anti UV/Ultraviolet Lens



LED MR16, 12VAC, 8-10W
Equivalent to 40-50W Halogen is available, compatible with this fixtures.

FLOOD (36°)
NARROW FLOOD (25°)
SPOT (20°)
VERY SPOT (10°)

