

# A4-LED

LED FLANGED OR TRIM-LESS RECESSED

NON-IC/ IC DOWNLIGHTING

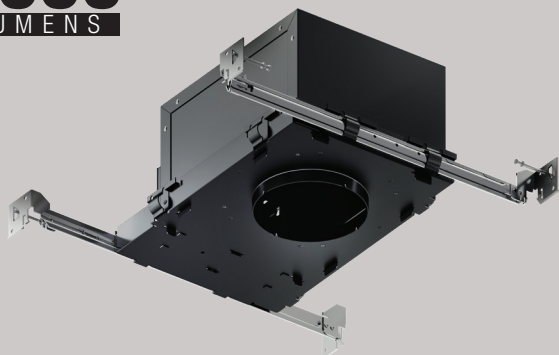
Catalog Number:

Project Name:

Note:

Type:

UPTO  
**2000**  
LUMENS



## DESCRIPTION:

Achieve all of your lighting application objectives with only one universal high-performance architectural housing. The Fusion A4-LED is a 4" LED Universal Downlight that can accept, Round and Square Trims for both trim and trim-less applications (using an A4S-TL for round or A4R-TL for square trim-less mud ring). The universal functionality and fully adjustable of the A4 Downlight can be utilized as a Recessed directional, accent, wet location shower, and downlight. The Fusion A4 series is ideal for retail, hospitality, commercial, and high-end residential applications. Designed for new construction installations and suitable for use in IC and Non IC applications. Plus, the Eco-friendly Elite LED system features 70% lumen maintenance at 100,000 hours life, with Energy Star and California Title-24.

## 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 matte black painted for maximum heat dissipation, rust protection and glare free illumination.

## LED LIGHT ENGINE:

High color rendering of 90+ CRI and guaranteed color consistency with a binning of a 2 step MacAdam Ellipse Scale. Available in: 2700K, 3000K, 3500K, 4000K and 5000K CCT. Also Available in Dims to Warm ( from 1800K to 3000K)

## OPTICS:

A4 offers a medium distribution option to achieve any prescribed design. A3 offers field changeable optics for a downlight application.

## 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 luminaries are installed in an level and straight plane.

## ELECTRICAL/ TRANSFORMER:

Junction box and Driver can be 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.

## 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:

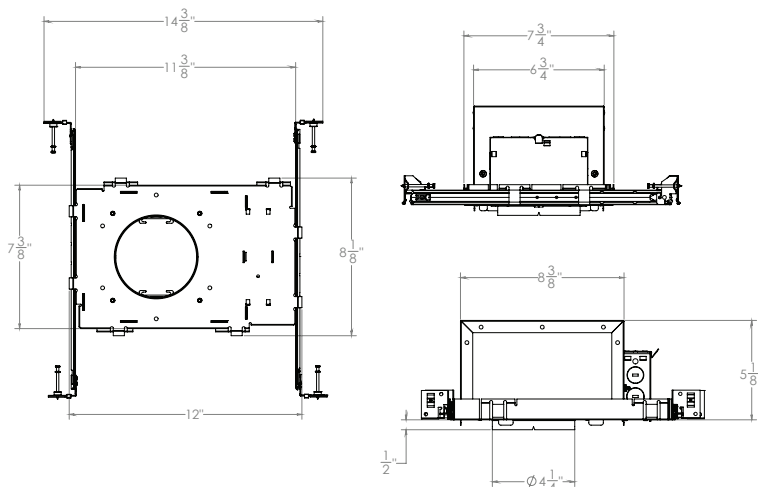
c-UL-us listed for damp location.  
c-UL-us listed for feed Through Wiring.  
c-UL-us listed for direct contact with insulation.

## WARRANTY:

Fusion A4 Recessed luminaries are covered by Fusion's 5 year limited warranty. As a system, we stand behind our entire products from housing to bar hangers.

## ELECTRICAL INFORMATION

INPUT VOLT.	INPUT FREQ.	INPUT POWER	THD	POWER FACTOR	LUMENS
120/277	50/60Hz	20W(+/-5%)	<20%	>0.9	2000
120/277	50/60Hz	18W(+/-5%)	<20%	>0.9	1500
120/277	50/60Hz	14W(+/-5%)	<20%	>0.9	1200
120/277	50/60Hz	10W(+/-5%)	<20%	>0.9	900



## DIMMING INFORMATION FOR FUSION HIGH PERFORMANCE / SMART DIM:

**DIM10** (0-10V 1% Dimming Standard)

**LUTH** (Lutron® Hi-Lume A-Series 3-Wire or Eco System 1% Dimming)

**LUT2W** (Lutron® Hi-Lume A-Series 2-Wire Forward Phase Control 1% Dimming in 120V only)

**ELD010-1-** (EldoLed 0-10V .1% Dimming driver option)

**ELDODALI-1-** (EldoLed DALI .1% Dimming driver options)

**ELDODMX-1-** (EldoLed DMX .1% Dimming driver options/ Consult Factory for Details)

**DIMTR** (Triac & Electronic Low Voltage Dimming in 120V only)

# A4-LED

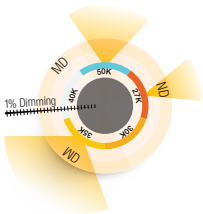
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High Performance

**HIGH PERFORMANCE** - Operating system delivers 900, 1200, 1500, 2000 lumens. All Fusion LED luminaires are rated at 90+ CRI, and are binned to within 2 MacAdam ellipses. Fusion's highly selective LED chips produce zero ultraviolet and virtually no infrared light. All LED luminaires are rated and tested to LM-79 and LM-80 standards by an independent laboratory.



Smart Dim

**SMART DIM** - Dims to Warm with Smart Dim technology mimics traditional incandescent halogen lighting through dimming. Using Warm Dim, luminaires dim smoothly from 3000K to 1800K. Dims to Warm shifts smoothly over the black body radiator curve as the light dims you move into the rich amber tones that encourages relaxation. It is ideal for hospitality, architectural as well as residential applications, all while maintaining high lumen output for the most stringent energy codes today's legislation requires. Dims to Warm comes paired with high CRI of 90+ and superior lumen output.

## LED SOURCE

	LUMENS	CRI	CCT	DIMMING CONTROL POWER SUPPLY	DIMMING	MACADAMS	DISTRIBUTIONS	VOLTAGE
<b>HIGH PERFORMANCE</b>	2000L 1500L 1200L 900L	90+	2700K 3000K 3500K 4000K 5000K	DIM10 0-10V. DIMTR- Triac LUTRON HILUME LUTRON ECO SYSTEM 2 WIRE ELDOLED-0.1 ELDOLED10-0.1 DMX DALI	1% / 0.1%	2 step MacAdam Ellipse Scale	ND-Narrow MD-Medium WD-Wide	120V 277V 347V* MVOLT* Consult factory
<b>DIMS TO WARM</b>	1500L 1200L 900L	90+	From 3000K to 1800K	DIM10 0-10V. DIMTR- Triac LUTRON HILUME LUTRON ECO SYSTEM 2 WIRE ELDOLED-0.1 ELDOLED10-0.1 DMX DALI	0-10%	2 step MacAdam Ellipse Scale	ND-Narrow MD-Medium WD-Wide	120V 277V 347V* Consult factory

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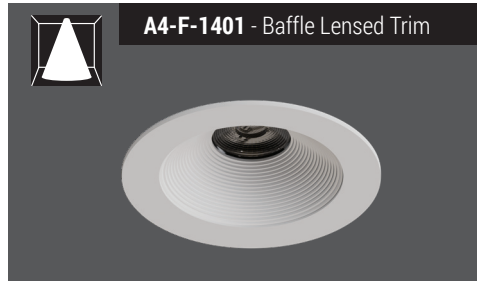
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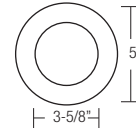
Type:

## Round Flanged Trims

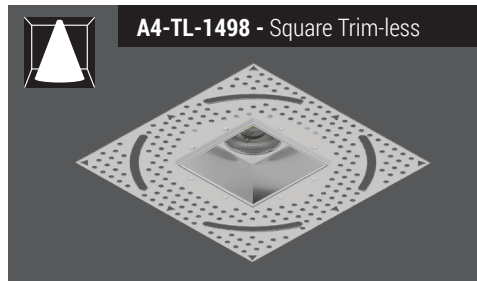
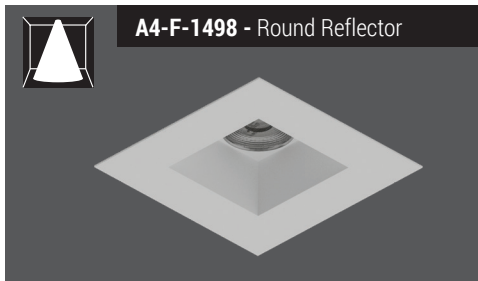


### TRIM OPTION:

Post painted powder coated Die-Cast trim available in white and custom colors. Please consult factory for custom paint color options. Trims attach to the housing with piano springs for snug fit and zero light leakage.

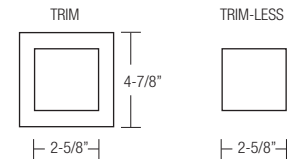


## Square Flanged Trims and Trim-less



### TRIM OPTION:

Post painted powder coated Die-Cast trim available in white and custom colors. Please consult factory for custom paint color options. Trims attach to the housing with piano springs for snug fit and zero light leakage.



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## HOUSING

	TYPE				VOLTAGE	EMERGENCY OPTIONS	MOUNTING OPTIONS	
	SERIES	900L SERIES	1200L SERIES	1500L SERIES				2000L SERIES
HIGH PERFORMANCE	A4-LED	<input type="checkbox"/> 900L-DIM10 <input type="checkbox"/> 900L-DIMTR <input type="checkbox"/> 900L-LUTH <input type="checkbox"/> 900L-LUT2W <sup>2</sup> <input type="checkbox"/> 900L-ELD010-.1 <input type="checkbox"/> 900L-ELDODALI -.1 <input type="checkbox"/> 900L-ELDODMX -.1	<input type="checkbox"/> 1200L-DIM10 <input type="checkbox"/> 1200L-DIMTR <input type="checkbox"/> 1200L-LUTH <input type="checkbox"/> 1200L-LUT2W <sup>2</sup> <input type="checkbox"/> 1200L-ELD010 -.1 <input type="checkbox"/> 1200L-ELDODALI -.1 <input type="checkbox"/> 1200L-ELDODMX -.1	<input type="checkbox"/> 1500L-DIM10 <input type="checkbox"/> 1500L-DIMTR <input type="checkbox"/> 1500L-LUTH <input type="checkbox"/> 1500L-LUT2W <sup>2</sup> <input type="checkbox"/> 1500L-ELD010 -.1 <input type="checkbox"/> 1500L-ELDODALI -.1 <input type="checkbox"/> 1500L-ELDODMX -.1	<input type="checkbox"/> 2000L-DIM10 <input type="checkbox"/> 2000L-DIMTR <input type="checkbox"/> 2000L-LUTH <input type="checkbox"/> 2000L-LUT2W <sup>2</sup> <input type="checkbox"/> 2000L-ELD010 <input type="checkbox"/> 2000L-ELDODALI <input type="checkbox"/> 2000L-ELDODMX	<input type="checkbox"/> 120 <input type="checkbox"/> 277 <input type="checkbox"/> 347 <input type="checkbox"/> MVOLT (DIM10 only)	<input type="checkbox"/> EMG-LED Typical lumen output of the fixture is up to 1000L in emergency mode. Contact the factory for details.	<input type="checkbox"/> Blank-Standard bar hangers (included) <input type="checkbox"/> BP31 - 27" C-channel bar hangers. <input type="checkbox"/> RIF - RIF filter.
	A4-LED-IC	<input type="checkbox"/> 900L-DIM10 <input type="checkbox"/> 900L-DIMTR <input type="checkbox"/> 900L-LUTH <input type="checkbox"/> 900L-LUT2W <sup>2</sup> <input type="checkbox"/> 900L-ELD010-.1 <input type="checkbox"/> 900L-ELDODALI -.1 <input type="checkbox"/> 900L-ELDODMX -.1						

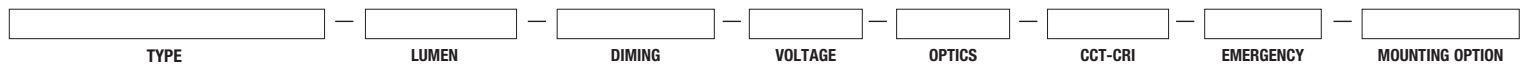
## TRIM OPTIONS

ROUND TRIM	LUMENS	OPTICS	CCT	FINISH
<input type="checkbox"/> A4-F-1402 ( Reflector trim) <input type="checkbox"/> A4-F-1401 ( Baffle trim)	<input type="checkbox"/> 900L <input type="checkbox"/> 1200L <input type="checkbox"/> 2000L	<input type="checkbox"/> MD	<input type="checkbox"/> 27K-90 <input type="checkbox"/> 30K-90 <input type="checkbox"/> 35K-90 <input type="checkbox"/> 40K-90 <input type="checkbox"/> 50K-85	<input type="checkbox"/> W-WH
SQUARE TRIM				
<input type="checkbox"/> A4-F-1498 ( Reflector Trim) <input type="checkbox"/> A4-TL-1498 ( Reflector Trim-less)	<input type="checkbox"/> 900L <input type="checkbox"/> 1200L <input type="checkbox"/> 2000L	<input type="checkbox"/> MD	<input type="checkbox"/> 27K-90 <input type="checkbox"/> 30K-90 <input type="checkbox"/> 35K-90 <input type="checkbox"/> 40K-90 <input type="checkbox"/> 50K-85	<input type="checkbox"/> WH

	TYPE				VOLTAGE	EMERGENCY OPTIONS	MOUNTING OPTIONS
	SERIES	900L SERIES	1200L SERIES	1500L SERIES			
SMART DIMMING	A4-LED	<input type="checkbox"/> 900L-DIM10 <input type="checkbox"/> 900L-DIMTR <input type="checkbox"/> 900L-LUTH <input type="checkbox"/> 900L-LUT2W <sup>2</sup> <input type="checkbox"/> 900L-ELD010-.1 <input type="checkbox"/> 900L-ELDODALI -.1 <input type="checkbox"/> 900L-ELDODMX -.1 Delivered Lumens depends on actual Trim specified. Please View IES files for details.	<input type="checkbox"/> 1200L-DIM10 <input type="checkbox"/> 1200L-DIMTR <input type="checkbox"/> 1200L-LUTH <input type="checkbox"/> 1200L-LUT2W <sup>2</sup> <input type="checkbox"/> 1200L-ELD010 -.1 <input type="checkbox"/> 1200L-ELDODALI -.1 <input type="checkbox"/> 1200L-ELDODMX -.1	<input type="checkbox"/> 1500L-DIM10 <input type="checkbox"/> 1500L-DIMTR <input type="checkbox"/> 1500L-LUTH <input type="checkbox"/> 1500L-LUT2W <sup>2</sup> <input type="checkbox"/> 1500L-ELD010 -.1 <input type="checkbox"/> 1500L-ELDODALI -.1 <input type="checkbox"/> 1500L-ELDODMX -.1	<input type="checkbox"/> 120 <input type="checkbox"/> 277 <input type="checkbox"/> 347 (DIM10 only)	<input type="checkbox"/> EMG-LED Typical lumen output of the fixture is up to 1000L in emergency mode. Contact the factory for details.	<input type="checkbox"/> Blank-Standard bar hangers (included) <input type="checkbox"/> BP31 - 27" C-channel bar hangers. <input type="checkbox"/> RIF - RIF filter.
	A4-LED-IC	<input type="checkbox"/> 900L-DIM10 <input type="checkbox"/> 900L-DIMTR <input type="checkbox"/> 900L-LUTH <input type="checkbox"/> 900L-LUT2W <sup>2</sup> <input type="checkbox"/> 900L-ELD010-.1 <input type="checkbox"/> 900L-ELDODALI -.1 <input type="checkbox"/> 900L-ELDODMX -.1 Delivered Lumens depends on actual Trim specified. Please View IES files for details.					

ROUND TRIM	LUMENS	OPTICS	CCT	FINISH
<input type="checkbox"/> A4-F-1402 ( Reflector trim) <input type="checkbox"/> A4-F-1401 ( Baffle trim)	<input type="checkbox"/> 900L <input type="checkbox"/> 1200L <input type="checkbox"/> 1500L	<input type="checkbox"/> MD	<input type="checkbox"/> WDM (30K-18K) (3000K at 100% Light out put and 1800K at 1% Light Output)	<input type="checkbox"/> W-WH
SQUARE TRIM				
<input type="checkbox"/> A4-F-1498 ( Reflector Trim) <input type="checkbox"/> A4-TL-1498 ( Reflector Trim-less)	<input type="checkbox"/> 900L <input type="checkbox"/> 1200L <input type="checkbox"/> 1500L	<input type="checkbox"/> MD	<input type="checkbox"/> WDM (30K-18K) (3000K at 100% Light out put and 1800K at 1% Light Output)	<input type="checkbox"/> WH

## ORDERING GUIDE



Submittal form is available @ [www.iuseelite.com](http://www.iuseelite.com)  
 Tel: 323-888-1973 • Fax: 323-888-1977

Specifications and Dimensions subject to change without notice.



