# Description

The Halo LT4 series is a retrofit LED Baffle-Trim Module for 4" aperture recessed downlights. The LT4 is designed for use with compatible 4" housings. The LT4 integral LED driver is dimmable at 120 volts. The LT4 lens provides uniform illumination and wet location listing. Precision construction makes any housing AIR-TITE for added HVAC savings and code compliance. Compliant with NFPA 70, NEC section 410.16 (A)(1) and 410.16 (C)(3).

# **Specification Features**

# MECHANICAL

#### Module-Trim

- Module construction includes LED, heat sink, reflector, lens, baffle and trim ring
- Regressed baffle
- Heat sink designed to conduct heat away from the LED keeping the junction temperatures below specified maximums, even when installed in insulated ceiling environments

#### Lens

- Regressed lens
- Impact-resistant polycarbonate
- Convex form for lamp-like
   appearance
- High lumen transmission
- Diffusing for even illumination

#### Mounting

- Push-N-Twist universal installation clips
- Clips are pre-installed and designed to fit 4" compatible recessed housings

#### **Housing Compatibility**

See Housing Compatibility section.

#### LED

- Color Temperature (CCT) Options: 2700K, 3000K, 3500K, 4000K, 5000K
- Color Rendering Index (CRI): 9090 CRI can be used for California
- Title 24 Compliance / Certified to Title 20.

# **LED Chromaticity**

- A tight chromaticity specification ensures LED color uniformity, sustainable Color Rendering Index (CRI) and Correlated Color Temperature (CCT) over the useful life of the LED
- LED chromaticity of 3 SDCM exceeds ENERGY STAR<sup>®</sup> color standards per ANSI C78.377-2011

3000K 3500K 4000K

5000K

• High color performance with R9 greater than 50

#### ELECTRICAL Power Connections

- LED connector is a non-screw base luminaire disconnect offering easy installation with Halo H995 Series and H245 Series LED housings
- LED Connector meets California Title-24 high efficacy luminaire requirement for a non-screw base socket, and where required to qualify as a high efficacy luminaire
- The included E26 medium screwbase Edison adapter provides easy retrofit of incandescent housings (see Housing Compatibility)

### **Ground Connection**

Separate grounding cable included on the LT4 module for attachment to the housing during installation.

#### LED Driver

- 120V 50/60 Hz constant current dimmable driver provides highefficiency operation
- Driver meets FCC 47CFR Part 15 EMI/RFI consumer limits for use in residential and commercial installations
- Driver features high power factor and low THD and has integral thermal protection in the event of
- over temperature or internal failure • If dimming is not required the fixture
- can be operated from a standard wall switch

#### Dimming

- Designed for continuous dimming capability to nominally 10% with many 120V Leading Edge (LE) and Trailing Edge (TE) Phase Control dimmers. (Dimmers with low end trim adjustment offer greater assurance of achieving 10% level.)
- Consult dimmer manufacturer for compatibility and conditions of use.
- Note: some dimmers require a neutral in the wallbox.





#### Refer to ENERGY STAR® Certified Products List. Can be used to comply with California Title 24 High Efficacy requirements Certified to California Title 20 Appliance Efficiency Database.

# Catalog # Type Project Date Comments Date

#### Warranty

Eaton provides a five year limited warranty on the LT4 LED.

#### Compliance

- UL/cUL Listed 1598 Luminaire (with listed housings)
- UL Classified (with other housings see Housing Compatibility)
- UL/cUL Listed for Damp Location
- UL/cUL Listed for Wet Location Shower Applications, covered ceiling only.
- May be installed in IC rated housings in direct contact with air-permeable insulation\*\* and combustible material
- Airtight certified per ASTM E283-04 (not exceeding 2.0 CFM under 75 Pascals pressure difference)
- Can be used to comply with California Title 24 High Efficacy requirements. Certified to California Title 20 Appliance Efficiency Database.\*
- Can be used for International Energy Conservation Code (IECC) high efficiency luminaire compliance.
- ENERGY STAR® Certified luminaire
   - consult ENERGY STAR® Certified
   Product List\*
- EMI/RFI per FCC 47CFR Part 15 Class B Consumer limits, suitable for use in residential and commercial installations
- Contains no mercury or lead and RoHS compliant.
- Photometric testing in accordance with IES LM-79
- Lumen maintenance projections in accordance with IES LM-80 and TM-21
- Suitable for use in closets. Compliant with NFPA 70, NEC Sec. 410.16 (A)(1) and 410.16 (C)(3).



# LT460WH

HALO®

# 4-Inch LED Recessed Retrofit Module-Trim

# 90CRI 2700K, 3000K, 3500K, 4000K, 5000K

#### FOR USE IN INSULATED CEILING AND NON- INSULATED CEILING RATED HOUSINGS

# HIGH-EFFICACY LED WITH INTEGRAL DRIVER - DIMMABLE

# ENERGY DATA

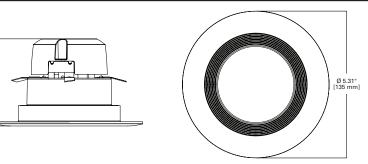
LT4 Series (Values at non-dimming line voltage)				
Input Voltage	120 VAC			
Input Current	0.065A - 0.069A (per input power)			
Input Power	LT460WH6927	7.5 W		
	LT460WH6930	8.0 W		
	LT460WH6935	7.8 W		
	LT460WH6940	7.9 W		
	LT460WH6950	7.9 W		
THD	≤ 23.5%			
PF	≥ 0.90			
T Ambient	-30°C (-22°F) to 40°C (104°F)			
Sound Rating	Class A			
(all values at 25°C without a dimming control in circuit)				



Refer to ENERGY STAR<sup>®</sup> Certified Products List and CEC (T20) Appliance Database for listings.
 \*\* Not for use with housings in direct contact with spray foam insulation.

#### Dimensions

3.15" [80 mm]



# **Ordering Information**

#### Sample Number: LT460WH6930

Complete unit includes LT4 LED and Halo H995 series LED housing, or compatible 4" E26 screw based housing, ordered separately. LT4 LED and housing to be ordered separately.

LT4 Models LT460WH6927= 4\* Retrofit Baffle - Trim LED Module, 90 CRI, 2700K, Matte White LT460WH6930= 4\* Retrofit Baffle - Trim LED Module, 90 CRI, 3000K, Matte White LT460WH6935= 4\* Retrofit Baffle - Trim LED Module, 90 CRI, 3500K, Matte White LT460WH6940= 4\* Retrofit Baffle - Trim LED Module, 90 CRI, 4000K, Matte White LT460WH6950= 4\* Retrofit Baffle - Trim LED Module, 90 CRI, 5000K, Matte White

# Accessories (Order Separately) HE26LED=Replacement screw base adapter (one included with unit)



# **Housing Compatibility**

#### Compatible Halo LED Housings with LED luminaire connector (high-efficacy compliant - Title 24)

	Recessed Can Size	Catalog Number
HALO LED	4"	H995ICAT, H995RICAT, H245RICAT

#### **Compatible Halo Incandescent E26 Screwbase Housings**

HAIO 4" H99ICAT, H99TAT, E4ICATSB, E4TATSB		HALO	4"	H99ICAT, H99RTAT, H99TAT, E4ICATSB, E4RTATSB
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# **Compatible All-Pro Incandescent E26 Screwbase Housings**

ALL-PRO 4"	ET400ATSB, ET400RATSB, ET400ATSB
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# LT4 Series LED Retrofit is UL Classified for retrofit in the following 4" recessed housings:

The LT Series LED light module - trim combination is UL/cUL Listed or UL Classified for use with any 4\* diameter recessed housing constructed of steel or aluminum with an internal volume that exceeds 62.3 in<sup>2</sup> in addition to those noted above.



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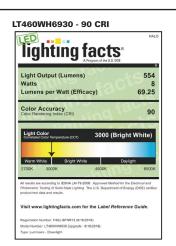
# **Product Specifications**

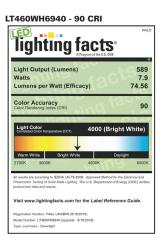




#### LT460WH6950 - 90 CRI

Lighting facts <sup>®</sup>	HALO
Light Output (Lumens) Watts Lumens per Watt (Efficacy)	601 7.9 76.08
Color Accuracy Color Rendering Index (CRI)	90
↓ ↓	Daylight)
2700K 3000K 4500K All results are according to IESNA LM/79-2008: Approved Method for th Photometric Teating of Solid-State Lighting. The U.S. Department of En product test data and results.	
Visit www.lightingfacts.com for the Label Referen	ce Guide.
Registration Number: F4QJ-IQTPC6 (7/1/2016) Model Number: LT460WH6950 Type: Luminaire - Dowelight	





#### **Photometric Data**

LT4 Photometric\* LT460WH6930 **Luminaire lumens** 575 Input watts 8 LER (LPW) 72.8 0-180 1.16 Spacing 90-270 1.16 Criteria Diagonal 1.23 89 Beam angle (degrees) Field angle (degrees) 137.4 Zonal lumen Lumens % Lumens 0-30 214 37.3 0-40 339 58.9 0-60 517 90 0-90 575 100 80 80 70° 70° 60 60 50 40° 40 20° 20 10 10 0°

\* Tested in accordance with IES LM63. Field results may vary.



Specifications and dimensions subject to change without notice.