Project	Catalog #	Туре	
Prepared by	Notes	Date	



# **HALO**

# **LT56**

5" & 6" All Purpose LED Retrofit Trim up to 750 Lumen Series 90 CRI

# **Typical Applications**

Residential

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# **Product Certification**













Refer to ENERGY STAR® Certified Products List. Can be used to comply with California Title 24 High Efficacy requirements. Certified to California Appliance Efficiency Database under JAB. NOTE: Due to 170 changes as of July 1\* 2019 consult factory for current catalog number and availability for 120 compliant products.

# **Product Features**

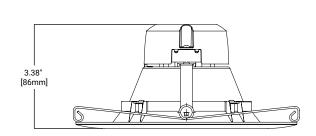


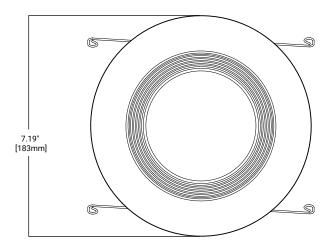


# **Top Product Features**

- · ENERGY STAR® certified
- · 2700K, 3000K, 3500K, 4000K, 5000K; 90CRI
- · Retrofits existing 5" or 6" housings with screwbase adapter included
- · Dead Front construction
- Dimmable down to 10%

# **Dimensional and Mounting Details**







### Order Information

#### SAMPLE ORDER NUMBER: LT560WH6930R

A complete luminaire consists of a housing and a LED integrated trim, order separately.

Module	Finish	Lumens	CRI/CCT	Packaging	T20 Compliant
Module	Finish	Lumens	CRI/CCT	Accessories	
LT560 = 5" and 6" integrated LED trim	WH = matte white	6 = 600 lumen series (nominal) 9 = 900 lumen series (nominal) See table below for details.	927 = 90 CRI (minimum), 2700K CCT 930 = 90 CRI (minimum), 3000K CCT 935 = 90 CRI (minimum), 3500K CCT 940 = 90 CRI (minimum), 4000K CCT 950 = 90 CRI (minimum), 5000K CCT	R = Recyclable	-CA = California

#### Accessories

HE26LED = Replacement medium base (E26) screw base adapter (one included with unit)

#### **Housing Compatibility**

# Compatible Halo LED Housings with LED Luminaire Connector (high-efficacy compliant – Title 24)

Halo LED

H550ICAT = 5" LED, Insulated Ceiling, Air-Tite, New Construction Housing H550RICAT = 5" LED, Insulated Ceiling, Air-Tite, Remodel Housing

H750ICAT = 6" LED, Insulated Ceiling, Air-Tite, New Construction Housing H750RICAT = 6" LED, Insulated Ceiling, Air-Tite, Remodel Housing H750T = 6" LED, Non-IC, Air-Tite, New Construction Housing

H750TCP = 6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing
H2750ICAT = 6" LED, Shallow, Insulated Ceiling, Air-Tite, New Construction (use with 691X, 694X, 696X trims only

H2750RICAT = 6" LED, Shallow, Insulated Ceiling, Air-Tite, Remodel (use with 691X, 694X, 696X trims only)

#### **Housing Compatibility**

Halo LED Retrofit Enclosures
ML7BXRFK = 6" Retrofit Enclosure, Non-IC, BX Whip
ML7E26RFK = 6" Retrofit Enclosure, Non-IC, E26 Screw base Interface

# **Housing Compatibility**

Halo LED Retrofit Enclosures
H5ICAT = 5" Insulated Ceiling, Air-Tite New Construction Housing
H5ICATNB = 5" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket
H5RICAT = 5" Insulated Ceiling, Air-Tite Remodel Housing

HSTT = 5" Non-IC, New Construction Housing
HSTMB = 5" Non-IC, New Construction Housing, No Socket Bracke
HSRT = 5"Non-IC, Remodel Housing
HSTM = 5" Hi-Lumen All Purpose LED Retrofit Trim

H2SICAT = 5' Shallow, Insulated Ceiling, Air-Tite New Construction
H2SICATMB = 5' Shallow, Insulated Ceiling, Air-Tite New Construction, No Socket Bracket
ESICAT = 5' Insulated Ceiling, Air-Tite New Construction Housing
ESICATMB = 5' Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket
ESICATMB = 5' Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket
ESICAT = 5' Insulated Ceiling, Air-Tite Remodel Housing

ESRTAT = 5" Non-IC, Remodel Housing ESTAT = 5" Non-IC, New Construction Housing

ESTATNB = 5" Non-IC, New Construction Housing, No Socket Bracket

H7ICAT = 6" Hi-Lumen All Purpose LED Retrofit Trim HH7RICAT = 6" Hi-Lumen All Purpose LED Retrofit Trim H7ICT = 6" Hi-Lumen All Purpose LED Retrofit Trim H7RICT = 6" Hi-Lumen All Purpose LED Retrofit Trim H7ICATNB = 6" HI-Lumen All Purpose LED Retrofit Trim H7ICTNB = 6" HI-Lumen All Purpose LED Retrofit Trim H7T = 6" HI-Lumen All Purpose LED Retrofit Trim H7RT = 6" HI-Lumen All Purpose LED Retrofit Trim H7RT = 6" Hi-Lumen All Purpose LED Retrofit Trim
H7TNB = 6" Hi-Lumen All Purpose LED Retrofit Trim
H7TCP = 6" Hi-Lumen All Purpose LED Retrofit Trim
H7UICT = 6" Hi-Lumen All Purpose LED Retrofit Trim
H7UICAT = 6" Hi-Lumen All Purpose LED Retrofit Trim
H27ICAT = 6" Hi-Lumen All Purpose LED Retrofit Trim
H27RICAT = 6" Hi-Lumen All Purpose LED Retrofit Trim
HH27RICT = 6" Hi-Lumen All Purpose LED Retrofit Trim
H27T = 6" Hi-Lumen All Purpose LED Retrofit Trim H27T = 6" Hi-Lumen All Purpose LED Retrofit Trim H27RT = 6" Hi-Lumen All Purpose LED Retrofit Trim EZ7ICAT = 6" Hi-Lumen All Purpose LED Retrofit Trim
EZ7RICAT = 6" Hi-Lumen All Purpose LED Retrofit Trim
EZ7RIAT = 6" Hi-Lumen All Purpose LED Retrofit Trim
EZ7TAT = 6" Hi-Lumen All Purpose LED Retrofit Trim E7ICAT = 6" Hi-Lumen All Purpose LED Retrofit Trim
E7ICATNB = 6" Hi-Lumen All Purpose LED Retrofit Trim ETRICAT = 6" Hi-Lumen All Purpose LED Retrofit Trim E7RTAT = 6" Hi-Lumen All Purpose LED Retrofit Trim E7TAT = 6" Hi-Lumen All Purpose LED Retrofit Trim E7TATNB = 6" Hi-Lumen All Purpose LED Retrofit Trim



HALO

### Order Information Continued

#### **Housing Compatibility**

npatible All-Pro Incandescent E26 Screwbase Housings EI500AT = 5" All-Pro Hi-Lumen All Purpose LED Retrofit Trim EI500RAT = 5" All-Pro Hi-Lumen All Purpose LED Retrofit Trim ET500 = 5" All-Pro Hi-Lumen All Purpose LED Retrofit Trim ET500R = 5" All-Pro Hi-Lumen All Purpose LED Retrofit Trim

EI700AT = 6" All-Pro Hi-Lumen All Purpose LED Retrofit Trim EI700RAT = 6" All-Pro Hi-Lumen All Purpose LED Retrofit Trim EI700 = 6" All-Pro Hi-Lumen All Purpose LED Retrofit Trim EI700R = 6" All-Pro Hi-Lumen All Purpose LED Retrofit Trim EI700ATNB = 6" All-Pro Hi-Lumen All Purpose LED Retrofit Trim EI700NB = 6" All-Pro Hi-Lumen All Purpose LED Retrofit Trim EI700U = 6" All-Pro Hi-Lumen All Purpose LED Retrofit Trim ET700UAT = 6" All-Pro Hi-Lumen All Purpose LED Return Trim ET700 = 6" All-Pro Hi-Lumen All Purpose LED Retrofit Trim ET700 = 6" All-Pro Hi-Lumen All Purpose LED Retrofit Trim ET700R = 6" All-Pro Hi-Lumen All Purpose LED Retrofit Trim E12700AT = 6" All-Pro Hi-Lumen All Purpose LED Retrofit Trim E12700 = 6" All-Pro Hi-Lumen All Purpose LED Retrofit Trim
E12700 = 6" All-Pro Hi-Lumen All Purpose LED Retrofit Trim
E12700 = 6" All-Pro Hi-Lumen All Purpose LED Retrofit Trim ET2700R = 6" All-Pro Hi-Lumen All Purpose LED Retrofit Trim

LT56 Series LED Retrofit is UL Classified for retrofit in the following 5/6" recessed housings:
The LT Series LED light module - trim combination is cULus Listed or UL Classified for use with any 5"/6" diameter recessed housing constructed of steel or aluminum with an internal volume that exceeds 107.9 in 3 in addition to those noted above.

# Specification Features

- · Field interchangeable and upgradable LED module consists of LED array, optical assembly, driver and baffle style self-flanged trim
- Integral aluminum heat sink provides passive thermal cooling achieving L70 at 35,000 hours in IC and non-IC applications

#### Gaskets

Closed cell gasket achieves restrictive airflow requirements without additional caulking

#### **LED Array**

- A plurality of low power LEDs provide a uniform source with high efficiency and long life
- Available in 90 CRI minimum, R9 greater than 50 and color accuracy within 4 SDCM provide color accuracy and uniformity
- Available in 2700, 3000, 3500, 4000 and 5000K CCT color temperatures

### **Optical Assembly**

- Optical assembly provides wide distribution useful for general and task lighting
- Diffuse injection molded lens with contoured profile provides uniformity and a familiar lamp like appearance
- Meets ENERGY STAR® color angular uniformity requirements

#### Driver

- · Integral 120V 60 Hz constant current driver provides high efficiency operation
- Continuous, flicker-free dimming from 100% to 10% with select leading or trailing edge 120V phase cut dimmers - consult dimming guide for more information
- Consult dimmer manufacturer for compatibility and conditions of use
- Inline electrical quick connect and E26 adapter (provided) provides mains connection

- · Preinstalled torsion springs hold module securely to the housing
- Ships with torsion springs set in the 6" position, adjusts to 5" position with Philips drive locking

# **Trim**

- · One-piece step baffle and self-flanged trim ring provides lens regression and reduces light leaks
- Injection molded plastic construction is impact resistant and non-corrosive
- Non-conductive construction meets most local code 'dead front' requirements

#### Compliance

- cULus listed for use with Halo housings, classified for use with other's housings, see instruction sheet for conditions of acceptability
- · Wet location listed and IP66 ingress protection rated
- · Airtight per ASTM-E283
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- EMI/RFI emissions per FCC 47CFR Part 15 consumer limits
- Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance with IES LM-79-08
- Lumen maintenance projections in accordance with IFS I M-80-08 and TM-21-11
- Can be used for State of California Title 24 high efficacy luminaire compliance, reference the California Energy Commission Title 20 Appliance Efficiency Database for current listings
- ENERGY STAR® listed, reference database for current listings
- Meets State of California voluntary lamp standards
- · Lighting Facts labeled

#### Warranty

Five year limited warranty, consult website for details. www.cooperlighting.com



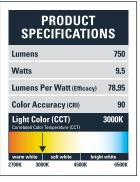
HALO LT56

# **Product Specifications**

### LT560WH6927R - 90 CRI



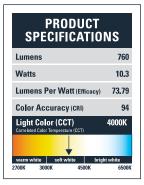
### LT560WH6930R - 90 CRI



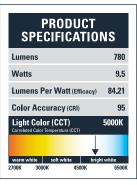
### LT560WH6935R - 90 CRI



### LT560WH6940R - 90 CRI



LT560WH6950R - 90 CRI



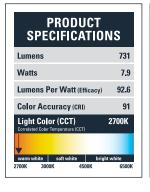
# **Photometric Data**

### LT56 Photometric\*

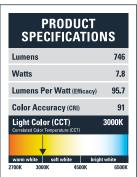
	LT560WH6930R		
Luminair	Luminaire lumens		
Input	Input watts		
LER (	LER (LPW)		
	0-180	1.21	
Spacing Criteria	90-270	1.21 1.27	
	Diagonal		
Beam angl	e (degrees)	93.3	
Field angle	Field angle (degrees)		
Zonal lumen	Lumens	% Lumens	
0-30	253	36.3	
0-40	405	58.0	
0-60	632	90.6	
0-90	698	100.0	
70° 60° 40°		50° 50°	

<sup>\*</sup> Tested in accordance with IES LM63. Field results may vary.

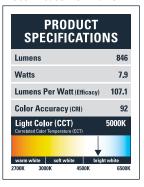
### LT560WH6927R-CA - 91 CRI



# LT560WH6930R-CA - 91 CRI



### LT560WH6950R-CA - 92 CRI



# LT56-CA Photometric\*

	LT560WH6930R-CA				
	Luminaire lumens		746.6		
	Input	Input watts			
	LER (	LER (LPW)			
		0-180	1.21		
	Spacing Criteria	90-270	1.21		
	Cincila	Diagonal	1.27		
	Beam angle	e (degrees)	93.3		
	Field angle	Field angle (degrees)			
	Zonal lumen	Lumens	% Lumens		
	0-30	241.6	37.1		
	0-40	381.5	58.6		
	0-60	585.3	89.9		
	0-90	651.1	100.0		
* Tested in accordance with IES I M63. Field results may vary					

<sup>\*</sup> Tested in accordance with IES LM63. Field results may vary.

# **Energy Data**

Lumens	600 Series	
Input Voltage	120V	
Input Current	0.089 (mA)	
Input Power	10.4 (W)	
Efficiency	Up to 73 (LPW)	
Inrush (A)		
THD: ≤ 24%		
PF: ≥ 0.90		
T Ambient -30 - +40°C		
Sound Rating ≤ 23dba		

www.cooperlighting.com