3000 Lumen

5000 Lumen / 8000 Lumen

HALO

LCR8

8-Inch Round All-Purpose LED
Retrofit Module

Typical Applications

Residential · Multi-family · Mixed-Use

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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 JA8.
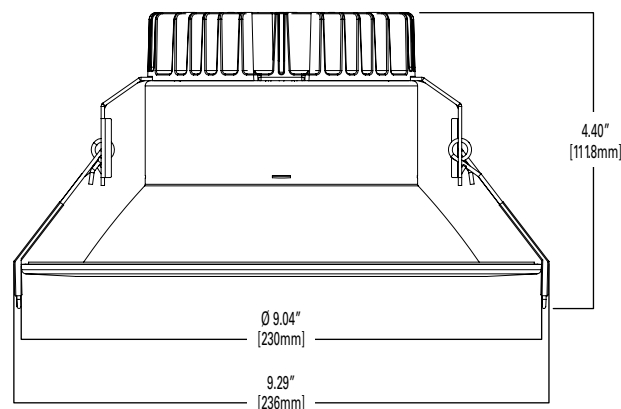
Product Features
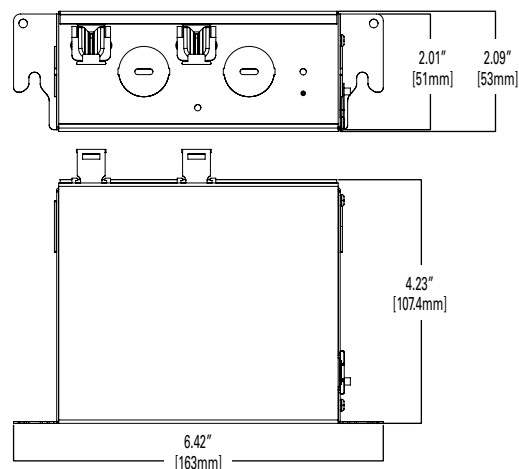

Top Product Features

- Select from 5 CCTs via switch; 2700K, 3000K, 3500K, 4000K, 5000K CCT; 90 CRI
- Up to 8000 Lumens non-IC marked spacing; up to 5000 Lumens IC
- Direct mount - does not require recessed housing or junction box
- Dimmable down to 5%, 0-10V
- Wet location listed for showers and protected ceilings

Dimensional and Mounting Details

8000 lumen

4.40″
[111.8mm]

Ø 9.04″
[230mm]

9.29″
[236mm]

8″ round cutout

2.01″
[51mm]

2.09″
[53mm]

4.23″
[107.4mm]

6.42″
[163mm]

Order Information*

SAMPLE ORDER NUMBER: **LCR8309FSE010MW**

Icon Key: **Δ** Configurable Product

Models	Lumens	CRI/CCT	Driver	Finish
Models	**Lumens**	**CRI/CCT**	**Driver**	**Finish**
LCR8 = 8" all- purpose round LED module	**80 =** 8000 lumens (nominal)	**9FS =** 90 CRI minimum, field selectable CCT, choose 2700K, 3000K, 3500K, 4000K or 5000K CCT	**E010 =** UNV 120-277V, 50/60Hz, 0-10V analog 100% to 5% dimming	**MW =** Matte white
Notes	**Notes**	**Notes**	**Notes**	**Notes**

Accessories	
Accessories	
Oversized Trim Ring **OT810P** = Oversize trim ring for 8" housings **Designer Trims** **LCR8TRMAH** = 8" Haze, white flange **LCR8TRMSC** = 8" Specular, white flange **LCR8TRMTBZ** = 8" Tuscan bronze **LCR8TRMWH** = 8" Paintable white	**Mounting Frame** **HL8RSMF** = 8" new construction mounting frame **Extension Cable | seleCCTable Driver/Jbox** **HLB06FSEC** – 6 ft. extension cable **HLB12FSEC** – 12 ft. extension cable **HLB20FSEC** – 20 ft. extension cable

Product Specifications

Module
- Module construction includes LED Array, reflector, lens, housing and heat sink where applicable
- Integral aluminum heat sink provides passive thermal cooling achieving L70 at 50,000 hours in IC and non-IC applications

LED Array
- Mid power LED array provides a uniform source with high efficiency and no pixilation.
- 90 CRI minimum, R9 greater than 50
- Color accuracy within 3 SDCM at the CCT endpoints and 4 SDCM in between endpoints, provide color accuracy and uniformity.
- Correlated Color Temperature (CCT) has a selectable range from 2700K to 5000K (factory default 3000K)
- Use the switch to choose between 2700K, 3000K, 3500K, 4000K, and 5000K CCT

Optical Assembly
- Regressed flat lens provides uniformity, UGR ≤ 10
- Exceeds ENERGY STAR® color angular uniformity requirements

Remote Driver/Junction Box
- Metal driver/junction box with captive hinged junction box cover. Listed for (6) #12 AWG 90°C splice conductors, 2-in, 2-out plus (2) ground
- (4) 1/2" conduit pry-outs
- (2) Slide-N-Side™ non-metallic (NM) wire traps all accepts 14-2, 14-3, 12-2, 12-3 U.S and 14-2, 14-3, 12-2 Canadian NM cable

- (3) 4-port push wire nuts with clear caps for quick and reliable mains voltage connections
- Integral keyhole mounting slots facilitate direct mounting to building structure or new construction mounting frame

Driver
- Integral 120-277V, 50/60Hz constant current driver provides noise free operation
- Continuous, flicker-free dimmer from 100% to 5%
- Plenum rated inline electrical quick connect provides low voltage connection to fixture fitting

Installation
- Can be installed in 3/8" to 1-1/4" thick ceilings
- Cutout can utilize standard round hole saw sizes, cutout template provided
- Mousetrap springs hold fixture fitting securely in the ceiling eliminating light leaks
- Can be removed from below the ceiling for service or replacement

Mounting / Retention
- The LCR8 requires no housing or third party junction box
- The remote enclosure may be used in direct contact with insulation.
- Installer must cut template out of drywall and install into aperture with the clips compressed.
- When released, the mousetrap springs will rest on to the back side of the drywall
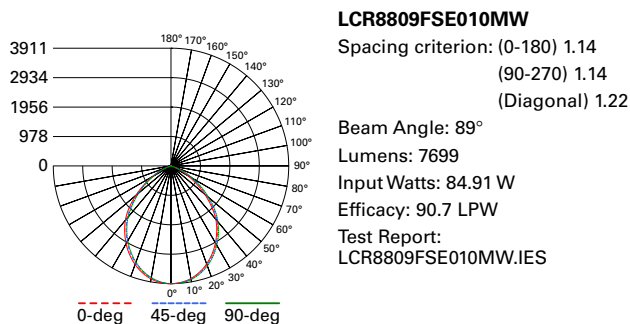- Not for installation in recessed cans

Compliance
- UL certified US and Canada
- Wet location listed and IP64 ingress protection rated, covered ceiling only
- Airtight per ASTM-E283-04
- 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, CAN ICES-005(B)/NMB-005 (B)
- Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance with IES LM-79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
- Can be used for State of California Title 24 high efficacy LED compliance under JA8, reference Modernized Appliance Efficiency Database System (MAEDBS) for 2019 JA8 High Efficacy Lighting
- ENERGY STAR® certified, reference "Certified Light Fixtures" database

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

Photometric Data

LCR8809FSE010MW

Spacing criterion: (0-180) 1.14
                   (90-270) 1.14
                   (Diagonal) 1.22

Beam Angle: 89°
Lumens: 7699
Input Watts: 84.91 W
Efficacy: 90.7 LPW
Test Report:
LCR8809FSE010MW.IES

3911
2934
1956
978
0

180° 170° 160° 150° 140° 130° 120° 110° 100° 90° 80° 70° 60° 50° 40° 30° 20° 10° 0°

0-deg   45-deg   90-deg

Zonal Lumen	Lumens	% Lumens
0-30	2880	37.4
0-40	4539	59
0-60	7042	91.5
0-90	7681	99.8

TM-30-15	Rf = 94
	Rg = 99
CRI/CIE	Ra = 95
	R9 = 65.8

CCT - Range of 2700K- 5000K

warm ← → cool

90°
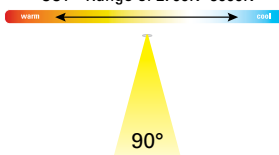
Energy and Performance Data

LCR8809FSE010MW		
	120V	**277V**
Lumens	7752 @ 3500K	
Input Voltage	120-277V	
Input Frequency	50/60 Hz	
Input Power	94.03W	90.1W
Input Current	0.788A	0.338A
Power Factor	>0.90	
THD	<20%	
EMI/RFI	FCC Title 47 CFR, Part 15, Class B CAN ICES-005(B)	
Sound Rating	Class A	
Minimum Starting Temp	-30°C (-22°F)	

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

Note: Refer to IES files for more product data.

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Specifications and dimensions
subject to change without notice.

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