Project		Catalog #		Type	
Prepared by		Notes		Date	



HALO

HLB8

8" LED Lens Downlight with Remote Driver / Junction Box

Typical Applications

Residential, Mixed-Use, Light Commercial

Interactive Menu

- Order Information page 2
- Product Specification page 2
- Photometric Data page 3
- Product Warranty

Product Certification

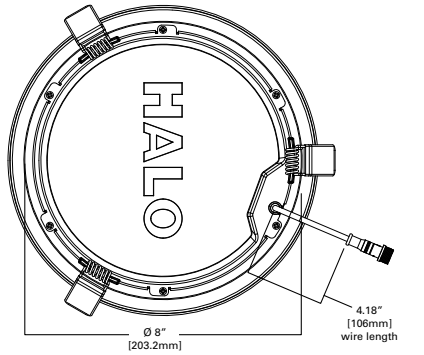
Refer to ENERGY STAR® Certified Products List.
Can be used to comply with California Title 24 High Efficacy requirements.
Certified to California Appliance Efficiency Database under JA8.

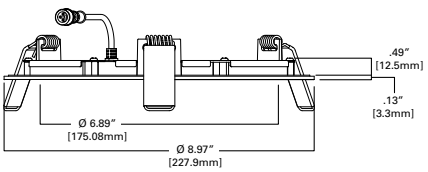
Product Features

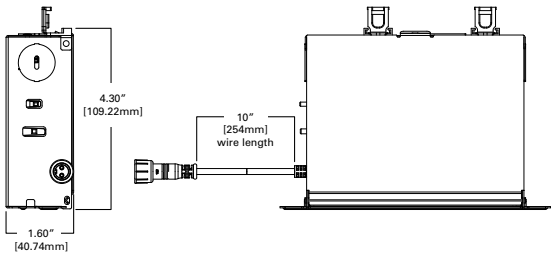
Top Product Features

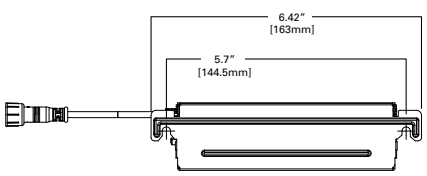
- Direct mount (does not require recessed housing or junction box)
- 1400lm, 1900lm, or 2400lm selectable Lumen; Achieves L70 at 50,000 hours in IC and non-IC applications
- 2700K, 3000K, 3500K, 4000K and 5000K field selectable CCT
- 90 CRI (min), R9 50 and color accuracy within 4 SDCM
- Wet location listed for showers and protected ceilings; 120V-277V; 0-10V Dim

Dimensional and Mounting Details

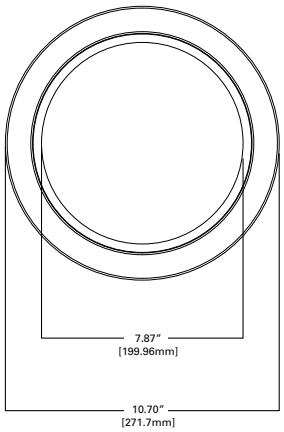








HLB8ROTMW Oversized Trim



Order Information

SAMPLE ORDER NUMBER: **HLB8LS9FSE010MWR**

Models | Lumens | CRI / CCT | Driver | Finish | Packaging

Models	Lumens	CRI / CCT	Driver	Finish	Packaging
HLB8 = 8-Inch LED lens downlight with remote driver / junction box	**LS** = Lumen selectable 1400, 1900, 2400 lumens (nominal)	**9FS** = 90 CRI minimum, field selectable 2700K, 3000K, 3500K, 4000K or 5000K CCT	**E010** = 120/277V 60Hz, 0-10V dimmable	**MW** = matte white flange	**R** = recyclable 4-color unit carton suitable for point of purchase merchandising display
Notes	**Notes**	**Notes**	**Notes**	**Notes**	**Notes**

Accessories

Accessories
HL8RSMF = 8" round or square mounting frame **HLB8ROTMW** = 8" oversized trim **Extension Cable	seleCCTable Driver/Jbox** **HLB06FSEC** – 6 ft. extension cable **HLB12FSEC** – 12 ft. extension cable **HLB20FSEC** – 20 ft. extension cable

Product Specifications

Housing
- Die cast aluminum mounting frame with integral flange provides passive thermal cooling achieving L70 at 50,000 hours in IC and non-IC applications
- Optional overlays with designer finishes provide design options, matte white is field paintable to match any décor
- High impact diffuse lens provides shielding to the light guide minimizing pixilation

Gasket
- Closed cell gasket achieves restrictive airflow and wet location listing without additional gaskets or caulking

Optics
- Precision acrylic light guide organizes source flux into wide distribution with 1.4 spacing criteria, useful for general area illumination

LED Array
- Plurality of mid power LED's provides a uniform source with high efficiency and long life
- Available in 90 CRI minimum, R9 greater than 50 and color accuracy within 4 SDCM providing color uniformity
- Field selectable color temperature, select 2700K, 3000K, 3500K, 4000K or 5000K CCT
- Field selectable lumen levels of 1400, 1900 or 2400.
- Meets ENERGY STAR® color angular uniformity requirements, deviation is less than 0.006 u' v'

Remote Driver/Junction Box
- Steel driver/junction box with captive hinged junction box cover
- Listed for (6) #12 AWG 90˚ C splice conductors
- (2) 1/2" conduit pry-outs
- (2) Slide-N-Side™ non-metallic (NM) wire traps allows wiring outside the box
- 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
- 120V/277V 50/60 Hz constant current driver provides noise free operation
- Continuous, flicker-free dimming from 100% to 5% with select 0-10V dimmers
- Plenum rated inline electrical quick connect provides low voltage connection to fixture fitting
- Optional extension cables allow remote mounting

Installation
- Can be installed in 1/2" to 1-1/4" thick ceilings
- Cutout utilizes standard round hole saw sizes, cutout template provided
- Heat treated springs hold fixture fitting securely in the ceiling eliminating light leaks
- Light source is less than ½" thick and can span a 2" nominal framing member
- Can be removed from below the ceiling for service or replacement

Optical Mounting Frame
- Pre-galvanized steel mounting frame locates fixture fittings during electrical rough in and provides cutout guidance for drywall contractor
- Provides tool-less attachment of remote driver / junction box

Compliance
- cULus certified type IC suitable for direct contact with air permeable insulation
- Not recommended for use in direct contact with spray foam insulation, reference NEMA LSD57-2013
- Wet location listed and IP65 ingress protection
- 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
- 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

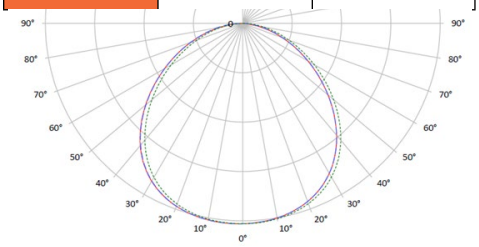
Warranty
- Five-year limited warranty, consult website for details. www.cooperlighting.com

Energy Data

Lumens	1400 Series		1900 Series		2400 Series	
Input Voltage	120V	277V	120V	277V	120V	277V
Input Current	154 (mA)	73 (mA)	222 (mA)	103 (mA)	277 (mA)	117 (mA)
Input Power	16.9 (W)		24.6 (W)		31.9 (W)	
Efficiency	81.8 (LPW)		79.1 (LPW)		74.4 (LPW)	
Inrush (A)	1.52 A @ 109 µS	1.79 A @159 µS	1.42 A @ 117 µS	1.83 A @ 137 µS	1.27 A @ 126 µS	1.78 A @ 168 µS
THD	≤ 20%					
PF	≥ 0.90					
T Ambient	-30° - +40°C					
Sound Rating	≤ 22 dba					

Photometric Data

HLB8LS9FSE010MWR-3000K		
Luminaire lumens		2352
Input watts		31.05
LER (LPW)		75.8
Spacing Criteria	0-180	1.26
	90-270	1.26
	Diagonal	1.38
Beam angle (degrees)		113
Field angle (degrees)		165
Zonal lumen	Lumens	% Lumens
0-30	623	26.5
0-40	1020	43.4
0-60	1812	77
0-90	2349	99.9

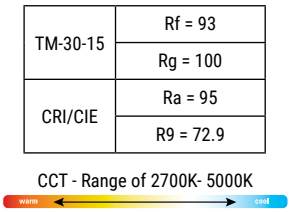


* Tested in accordance with IES LM63. Field results may vary.

Color Metric Summary - 3000K

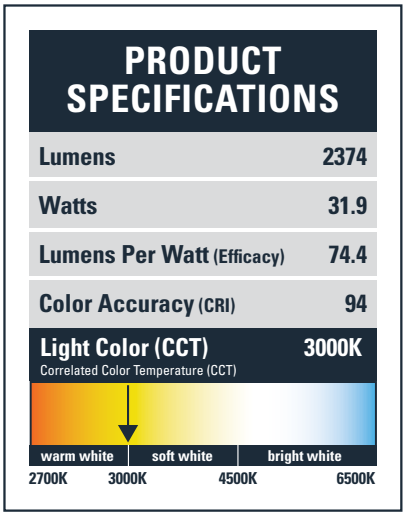
TM-30-15	Rf = 93
	Rg = 100
CRI/CIE	Ra = 95
	R9 = 72.9

CCT - Range of 2700K- 5000K





Product Specifications



HLB8 8-inch	CCT	Lumens	Power (W)	LPW
Field Selectable CCT	2700K	1325	16.9	78.4
	3000K	1382	16.9	81.8
	3500K	1443	16.9	85.4
	4000K	1502	17.0	88.4
	5000K	1599	17.0	94.1

Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

© 2020 Cooper Lighting Solutions
All Rights Reserved.

Specifications and dimensions subject to change without notice.