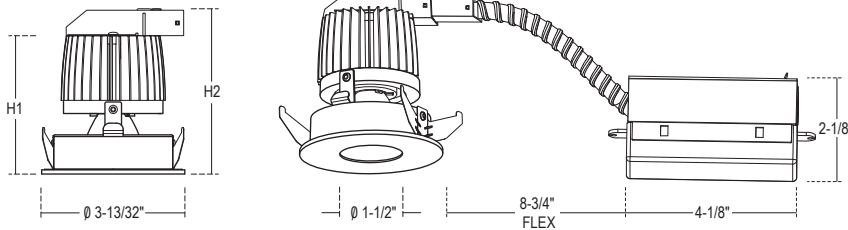
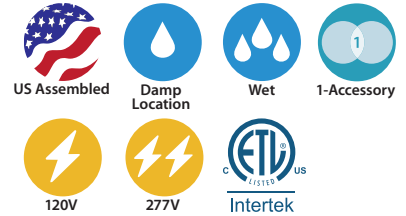


LRLD2524: 2.5" P-SERIES

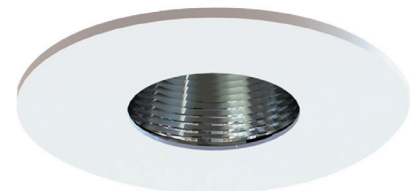
RECESSED LED - SHALLOW PINHOLE, 1100LM/1500LM/2000LM



-L09: H1: 3-1/4" H2: 3-7/8"
-L14: H1: 4-1/2" H2: 5-1/8"
 Ceiling Cut-Out: 2-15/16" Max
 Ceiling Thickness: **-L09:** 2" Max
-L14: 3" Max



- 1100lm (15W), 1500lm (22W), and 2000lm(30W) lumen packages
- Equivalent to 75W MR16 Output
- Ideal where space is limited and energy savings is important
- 0.5% dimming for 600lm (-L09), 5% dimming for 980lm (-L14), and 1400lm (-L24)



LRLD2524
Shallow Pinhole

ORDERING : LRLD2524W-L09-B25-T27UE-DUN-WL

Fixture	Ring Finish	Lumens	Beam Spread	Color Temp	Driver	Rating
Fixture		Color Temp		Driver		
Shallow Pinhole	LRLD2524	90 CRI		120V, Triac Dimming Blank		
Ring Finish		3000K (90 CRI)		0-10V Dimming UE-D10		
White	W	1700K (90 CRI)		120V/277V UniDim™ UE-DUN		
Black	B	2700K (90 CRI)		0-10V, ELV, Triac Dimming (5%)		
Lumens		3500K (90 CRI)		0-10V Dimming (1%) UE-D10P1		
1100lm (15W)	-L09²	4000K (90 CRI)		Lutron EcoSystem Dimming (1%) -DEC⁶		
1500lm (22W)	-L14⁴	Color Temp		Rating		
2000lm (30W)	-L24^{4,6}	97 CRI		None Blank		
Beam Spread		3000K (97 CRI)		Airtight Lensed (Wet Location) -WL		
10° Narrow Spot	-B10⁶	2700K (97 CRI)		4" JBox (Chicago Plenum) -JB-CHP		
25° Narrow Flood	-B25	3000K - 1800K				
35° Flood	-B35	Warm Dimming				
60° Wide Flood (Flush Frosted Lens Included)	-B60⁵					

² (-TWD) Warm Dimming only available for (-L09) lumen package.

⁴ (-TWD) Warming Dimming, (-L14) 1400lm and (-L24) 2400lm are not available for both LHLD25IC-FRM (IC) or LHFRD25 (Fire-Rated).

⁵ Achieved through a filter at 60° aperture level.

⁶ (-B10) Beam Spread, (-T17) 1700K color temperature, (-DEC) Lutron EcoSystem, and (-TWD) Warm Dimming options are not available for 2000lm (-L24) lumen package.

*Special order, minimum order. Lead times apply. Consult factory for emergency battery options.

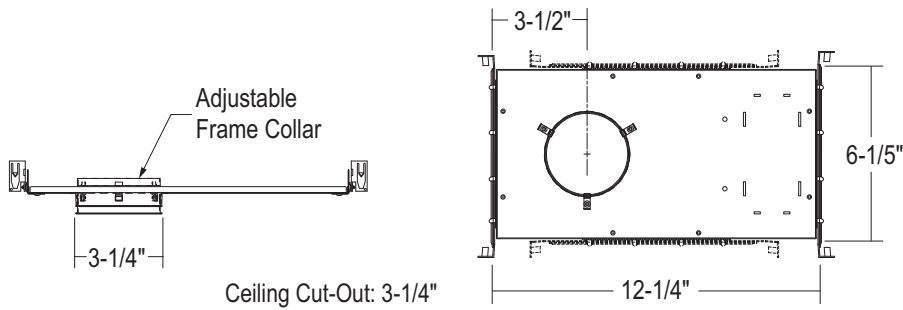
LRLD2524 and LHQLD25-FRM for (-L14) 1200lm is available with LFB2012 for Fire-Rated Application.

NOTE: For commercial applications with 1/2" Pipe or Flex-Conduit (**LITON# PCT031**) Fitting Adaptor should be used. Consult Factory.

OPTIONAL FRAMES & ACCESSORIES

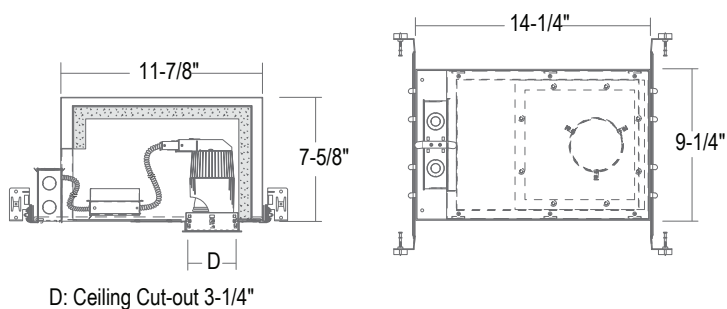
LHLD25-FRM

New Construction Frame (Round)



LHFRLD25

2.5" Fire-Rated Frame (Round)



SPECIFICATION

Application

This High-output, miniature pinhole LED trim has a narrow aperture that greatly reduces glare. Perfect for commercial and high-end residential applications. Great for isolating objects and restricting the beam to a desired location without leaking into other areas.

Housing

Suitable for remodel or new construction installations. Designed to secure to existing sheet rock or panel ceilings up to 1-1/2" thick.

Thermal Management:

Effective thermal dissipation facilitated by integral cast-aluminum, heat sink design for maximum heat rejection to provide long LED life.

Lens

Airtight lens available for wet locations. Specify "WL" when ordering.

Junction Box

(L09 - 120V Triac Option) - 24 gauge pre-wired galvanized steel Junction Box. 7 cubic-inch for a maximum of (4) #12 AWG wires. (2) 1/4" Romex knock-outs. Remove covers for easy access and ground wire.

Alternate Junction Box: 18 gauge pre-wired aluminum Junction Box. 7 cubic-inch for a maximum of (4) #12 AWG wires. (2) 1/2" knock-outs. Remove covers for easy access and ground wire.

For 1/2" Pipe or Flex-Conduit (LITON# PCT031) Fitting Adaptor should be used. Consult Factory.

Trim Ring

Friction clips hold Round trim and LED Light Engine secure to sheet rock ceiling or Housing Frame.

Reflector

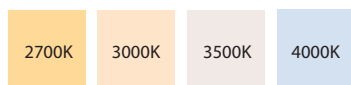
Multifaceted Specular Reflector locks into place on LED Light Engine.

Optics

LED Light Engine:

COB (Chip on Board) LED is replaceable via quick disconnect terminal. Meets CA Title 24 Requirements and other standards restricting the use of Medium Base or Bi-Pin Sockets.

Color Temperature:



Comes standard with 3000K (90 CRI) Warm White LEDs binned to 3-step MacAdam ellipses within the ANSI C78 377A standard for color temperature and chromaticity ranges light binning allowance. Also available in 2700K, 3500K, 4000K, (90 CRI), and 2700K, 3000K, (97 CRI). Also available with 3000K-1800K Warm Dimming.

Beam Spread:

Available in 10° (-B10), 25° (-B25), 35° (-B35), and 60° (-B60). Lumen Maintenance - Minimum 50,000 hours L70 life based on ANSI TM-21 calculations from LM80 standardized test results.

SPECIFICATION (Continued)

Electrical Components

Dimming: Standard driver is 120V, triac dimming to 0.5% for 1100lm (-L09), 5% dimming for 1500lm (-L14). Optional 120V/277V 0-10V (UE-D10) dimming works with most 5-wire, 0-10V dimmers. Optional UniDim™ (UE-DUN) for 120V/277V 0-10V, ELV triac dimming (5%). Optional 120V/277V 0-10V dimming (1%) (UE-D10P1). Lutron EcoSystem dimming (1%) is also available, special order, minimum, order, lead times apply.

Finishes

For LRLD2524, Trim Ring available in W - White, B - Black.

Certifications and Listings

ETL/cETL listed to UL1598 and UL8750. Suitable for damp and wet locations. NYC approved: Calendar #41937. CCEA (City of Chicago Environmental Air) Certified: Conforms to CCEA-200 with Section 18-27-300.22 and special requirements Section 14-20-210C-4.

Caution

Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

Warranty

Covered by a 5-Year Warranty to be free of defects in materials and craftsmanship. Recommended for applications where ambient temperatures do not exceed 35°C. Installations exceeding this temperature will result in reduced LED lamp life and a voided warranty.

Optional Frames & Accessories

LHLD25-FRM - Frame suitable for new construction and remodel installations, adjusts up to 1" ceiling thickness and supplied with (2) 24" adjustable hanger bars. Hanger bars equipped with nail-less install 3/4" serrated barbed studs and with captive nails, for faster and easier secure mounting in wood joists. Set-screws lock into position and prevent shifting after installation. Earthquake structural cable compatible for drop panel ceiling or any other mounting that requires direct support from structural ceilings.

LHFRD25 - 2.5" Fire-Rated Frame (Round). Patented 3-stage fire-resistant technology is IC Rated and airtight with a one-hour fire rating. New construction frame eliminates manually constructed drywall enclosures saving labor, materials and time.

PHOTOMETRY

NOMINAL LUMEN PACKAGE

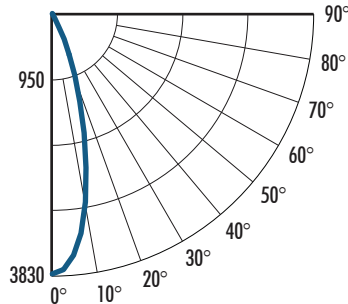
600lm

980lm

LRLD2524W-L09-B25-C90, (600lm, 25°, 3000K)

System Power:	16.7W	MULTIPLIERS
Test Date:	3/2018	4000K: 1.27
Beam Angle 50%:	29.0°	3500K: 1.11
Field Angle 10%:	50.8°	2700K: 0.86
Color Temperature:	3156K	2500K: 0.79
CRI :	92.1	1700K: 0.54
R9 Value:	66.3	LUMEN MULTIPLIERS
Lumens Delivered:	1018lm	980lm: 0.96
CBCP:	3830cd	CRI
Power Factor:	>0.97	80CRI (Blank): 0.87
		90CRI (-C90): 0.98
		97CRI (-C97): 1.05

CANDELA TABULATION



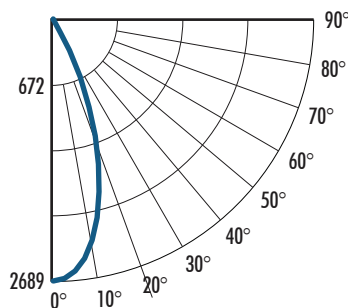
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
14.0'	7.2'	19.5
16.0'	8.3'	15.0
20.0'	10.3'	9.6
24.0'	12.4'	6.6
28.0'	14.5'	4.9

LRLD2524W-L09-B35-C90, (600lm, 35°, 3500K)

System Power:	16.6W	MULTIPLIERS
Test Date:	3/2018	4000K: 1.27
Beam Angle 50%:	38.3°	3500K: 1.11
Field Angle 10%:	59.6°	2700K: 0.86
Color Temperature:	3150K	2500K: 0.79
CRI :	92.1	1700K: 0.54
R9 Value:	66.2	LUMEN MULTIPLIERS
Lumens Delivered:	1055lm	600lm: 0.93
CBCP:	2689cd	CRI
Power Factor:	0.97	80CRI (Blank): 0.87
		90CRI (-C90): 0.98
		97CRI (-C97): 1.05

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
12.0'	8.3'	18.7
16.0'	11.1'	10.5
20.0'	13.9'	6.7
24.0'	16.7'	4.7
28.0'	19.4'	3.4

2018.09.04