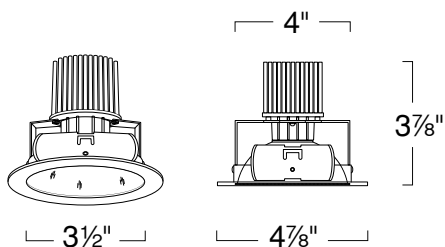


LR4LH21 - 3.5" LED 12W REFLECTOR DOWNLIGHT

3.5" 12W MINI-ARC LED



Also available in 6W version, consult factory.

SPECIFICATION

12W Max LED

Application: High-output miniature architectural-grade LED reflector trim for commercial and high-end residential installations. Designed for low to medium height ceilings. Trim ring constructed of heavy-duty die-cast aluminum.

Lumen Maintenance: Minimum 50,000 hours L70 life based on ANSI TM-21 calculations from LM80 standardized test results.

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

Warm Dimming: With this new technology, you can create the warm glow of traditional incandescent dimming while offering extraordinary energy efficiency and service life of LED Lighting. Allow for fixture start at a full 2700K when at full-brightness and smoothly dim down to 5% level with the warm glow of 1850K using dimming option the frame-in kit.

Mounting: Steel pressure springs mounted on trim to ensure positive retention inside housing.

Safety Labels: Suitable for dry and damp locations. NYC approved: Calendar #41937

Power Connection: LED lamp array is replaceable via on board quick disconnect terminal. Meets CA Title 24 Requirements and other standards restricting the use of Medium Base or Bi-Pin Sockets.

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.

Reflector Finish: Available in All White, All Black, All Natural Metal and Satin Haze Reflector/White Ring.

Beam Spread: Available in 45° Narrow Flood, Spot* and 60° Wide Flood.

LED: Available in 3000K, 3000K, 90CRI, 3000K, 97CRI, 1700K*, 2500K*, 2700K, 2700K 90+ CRI, 2700K, 97CRI, 3500K, 4000K and 1850K-2700K Warm Dimming. LEDs binned to within 3-Step MacAdam Ellipses (SDCM) and surpasses the ANSI C78 377A standard for color deviation.

Label: cETL Listed



COMPATIBILITY



LHJLD4

3.5" 12W LED HOUSING



LHBLD4R

3.5" 12W REMODEL LED HOUSING

Note: Wattage limitations on compatible items must be met.

Made in USA

LED Details:

12W 650 + Lumen Package

Color Rendering Index (CRI): 80

Color Temperature: 3,000K

Lamp Equivalents: 75W A19, 50W PAR20 FL, 50W MR16 FL

Benefit:

- New High Output 12W LED
- LED binned to within 3-Step MacAdam Ellipses (SDCM)
- Specification grade 90CRI Option
- Singular Optic LED
- Illuminates like 50W MR16
- Warm Dimming option (Incandescent-like dimming)

FEATURE:



ORDERING EXAMPLE : LR4LH21N-B25-T40

LR4LH21	REFLECTOR FINISH	BEAM SPREAD	LED	OPTIONS
LR4LH21	W :All White	Blank :45° Narrow Flood	Blank :3000K	Blank :Damp Location
	BB :All Black	-B25 :Spot*	-C90 :3000K, 90CRI	-WL :Wet Location (Lensed)
	N :All Natural Metal	-B60 :60° Wide Flood	-C97 :3000K, 97CRI	
	SW :Satin Haze Reflector/White Ring		-T17 :1700K*	
			-T25 :2500K*	
			-T27 :2700K	
			-T27-C90 :2700K 90+ CRI	
			-T27-C97 :2700K, 97CRI	
			-T35 :3500K	
			-T40 :4000K	
			-TWD :1850K-2700K Warm Dimming	

* Extended Lead Time may apply. Consult Factory.



Tel: 323.904.0200

Product specifications subject to change without notice.

www.liton.com



3.5" LED Downlight Luminaire

Total Luminaire Watts	:12W
Color Redering Index(CRI)	:84.19
Color Temperature	:3,072K
Estimated Life	:50,000 + hrs. -L70

MULTIPLIERS**FINISHES**

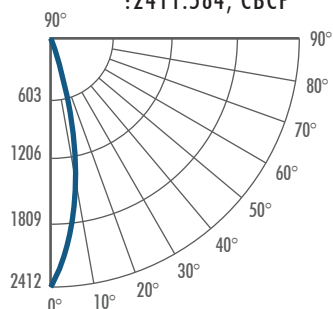
Black	0.70
White	0.87
Satin	0.90
Clear	1.00

COLOR TEMP

2,700K	0.97
3,000K	1.00
3,500K	1.01
4,000K	1.03

LR4LH21SW-B25 LED LUMINAIRE**CANDELA TABULATION**

:2411.584, CBCP

**ZONAL LUMENS SUMMARY**

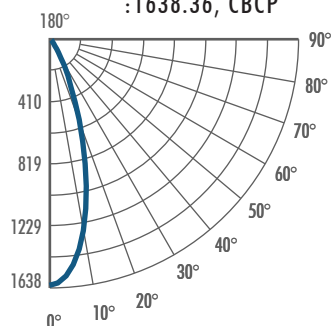
Zone	Lumens	% Fixt
0 - 20	416.62	55.00
0 - 30	592.65	78.20
0 - 40	695.95	91.90
0 - 60	742.61	98.00
0 - 80	755.48	99.70
0 - 90	757.63	100.00

RECOMMENDED LAYOUT

Height	Spacing	FC	Min/Max
8'	4 X 4	53	1.1:1
8'	6 X 6	25	1.8:1
10'	4 X 4	53	1.1:1
10'	6 X 6	25	1.6:1
12'	6 X 6	23	1.4:1

LR4LH21SW LED LUMINAIRE**CANDELA TABULATION**

:1638.36, CBCP

**ZONAL LUMENS SUMMARY**

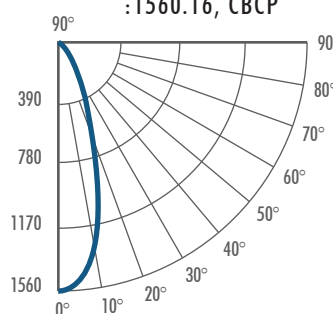
Zone	Lumens	% Fixt
0 - 20	394.92	64.00
0 - 30	543.24	88.00
0 - 40	593.17	96.10
0 - 60	615.91	99.80
0 - 90	617.44	100.00

RECOMMENDED LAYOUT

Height	Spacing	FC	Min/Max
8'	4 X 4	43	1.2:1
8'	6 X 6	21	2.1:1
10'	4 X 4	43	1.0:1
10'	6 X 6	20	1.4:1

LR4LH21SW-B60 LED LUMINAIRE**CANDELA TABULATION**

:1560.16, CBCP

**ZONAL LUMENS SUMMARY**

Zone	Lumens	% Fixt
0 - 20	393.31	55.10
0 - 30	571.60	80.10
0 - 40	650.79	91.20
0 - 60	699.00	98.00
0 - 80	709.39	99.40
0 - 90	713.47	100.00

RECOMMENDED LAYOUT

Height	Spacing	FC	Min/Max
8'	4 X 4	49	1.3:1
8'	6 X 6	23	1.7:1
10'	4 X 4	49	1.1:1
10'	6 X 6	23	1.3:1
12'	6 X 6	22	1.1:1