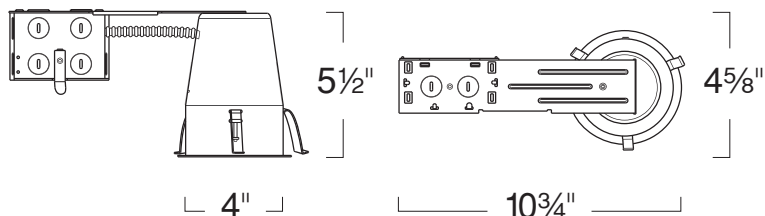


3.5" 12W Remodel LED Housing w/ 3.5" LED 12W Adjustable Accent/Sloped 3.5" MINI-ARC LED LIGHTING



SPECIFICATION

Ceiling cut-out: 4 1/2"

Application: High-output architectural-grade miniature recessed LED downlight housing is perfect for remodel applications. Designed for low to medium height ceilings in commercial and architectural applications. A variety of trims, styles and finishes are available to achieve desired decor and illumination.

Housing: Pre-wired housing adjusts up to a 1 1/4" ceiling thickness. Integral thermal protector to guard against improper lamping and installation. Trim is secured with torsion wing springs.

Mounting: Housing suitable for existing or new construction installations, supplied with high tension remodeling clips, designed to secure the housing to an existing sheetrock ceiling for fast and easy installation.

Driver: Electronic Direct Current LED driver integrally mounted in electric junction box.

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.

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.

Junction Box : 16 gauge pre-wired galvanized steel Junction Box, 32 cubic-inch for a maximum of (8) #12 AWG wires. Furnished with (7) 3/4" and (4) Romex knock-outs. Strain clamps to install or remove covers for easy access and ground wire. Equipped with safety standard fitting for flex-conduit.

Insulation Contact: Non-IC rated housing must be kept 3" from insulation.

Dimming: 0-10V dimming option (-D10) works with most 5-Wire 0-10V dimmers. UniDim™ (-DUN) option is a universal dimming system that works with most 3-Wire ELV, 2-Wire Incandescent and 5-Wire 0-10V fluorescent dimmers.

Caution: LITON recommends use of surge protectors on the power entering LED Housings. Surge damage is not covered by warranty.

Label: cETL Listed

FEATURE:



Application: High-output miniature architectural-grade LED adjustable accent trim for commercial and high-end residential applications. Easily accent objects and illuminate walls to enhance the mood and ambience of a space. Doubles as an adjustable downlight. 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.

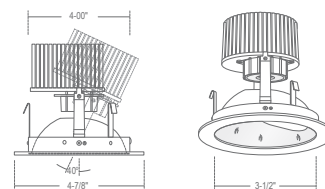
Mounting: Steel pressure springs mounted on trim to ensure positive retention inside housing.

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.

Label: cETL Listed

Made in USA



3.5" 12W REMODEL LED HOUSING LHBLD4R 12W Max LED

WATTAGE	OPTION	EMERGENCY
LHBLD4R12C35 :12W	Blank :120V Non-Dimming	Blank :None
	UE :120V/277V	-EM :Remote SW Emergency*
	UE-D10 :120V/277V 0-10V	
	UE-DHL :Hi-Lume Dimming (120V/277V)	
	UE-DUN :120V-277V (ELV/0-10V Universal Dimming)	
	-DIN :120V Incandescent Dimming	
	-347-D10 :0-10V 10% Dimming	

*Above ceiling access required for EM option.

3.5" LED 12W ADJUSTABLE ACCENT/SLOPED LR4LH71 12W Max LED

Ordering example: LHBLD4R12C35UE-DUN/LR4LH71SW

RING FINISH	BEAM SPREAD	LED	RATING
LR4LH71BW :Black Reflector / White Ring	Blank :45° Narrow Flood	Blank :3000K	Blank :None
LR4LH71SW :Satin Reflector / White Ring	-B60 :60° Wide Flood	-C90 :3000K, 90CRI	-WL :Wet Location
LR4LH71WW :White Reflector / White Ring		-C97 :3000K, 97CRI	
		-T17 :1700K*	
		-T25 :2500K*	
		-T27 :2700K	
		-T27-C90 :2700K 90+ CRI	
		-T27-C97 :2700K, 97CRI	
		-T35 :3500K	
		-T40 :4000K	

* Extended Lead Time may apply. Consult Factory.

3.5" LED Downlight Luminaire

Lamp: (1)LED

Total Rated Fixture Lumen :617.44

Total Luminaire Efficacy :51.20 Lm/W

Luminous Diameter :3.25"

LM79 Report File

L08121604

By:

Lighting Sciences Inc.

LR4LH71

LED DETAILS**Light Source Specification**

Color Rendering Index (CRI): 84.19

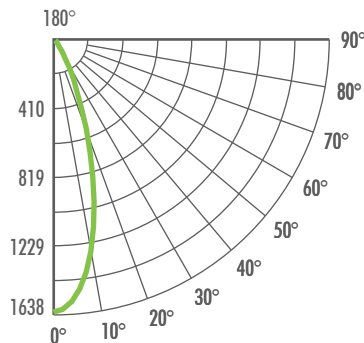
Color Temperature: 3,072K

Estimated Life: 50,000+ hrs. - L70

Lamp Equivalents: 50W MR16, PAR20, PAR30, 75W A19

INTENSITY (CANDLEPOWER) SUMMARY**IN 2.5 DEGREE STEPS**

Angle	Luminance
0	1638.36
2	1623.50
4	1579.66
6	1508.16
8	1412.20
10	1294.86
12	1157.95
14	1013.53
16	864.41
18	720.40
20	577.23
22	457.50
24	355.56
26	277.29
28	208.45
30	154.83
32	114.97
34	86.90
36	65.21
38	47.21
40	34.63
42	26.82
44	21.39
46	17.55
48	14.61
50	12.49
52	10.57
54	8.76
56	6.89
58	4.82
60	2.94
62	1.49
64	0.94
66	0.74
68	0.61
70	0.49
72	0.40
74	0.33
76	0.28
78	0.23
80	0.19
82	0.15
84	0.12
86	0.10
88	0.08
90	0.00

**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
10 - 90	477.84	77.40
20 - 40	198.25	32.10
20 - 50	214.12	34.70
40 - 70	23.82	3.90

MULTIPLIERS**REFLECTOR FINISHES**

Black	0.70
White	0.87
Satin	0.90
Clear	1.00

LUMINANCE SUMMARY**CD./SQ.M (FOOTLAMBERTS)**

Angle	Avg. 0-Deg.	Avg. 45-Deg.	Avg. 90-Deg.
45	13045	13045	13045
55	6464	6464	6464
65	942	942	942
75	558	558	558
85	598	598	598

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	139.60
10-20	255.32
20-30	148.32
30-40	49.93
40-50	15.87
50-60	6.87
60-70	1.08
70-80	0.33
80-90	0.12
90-100	0.00