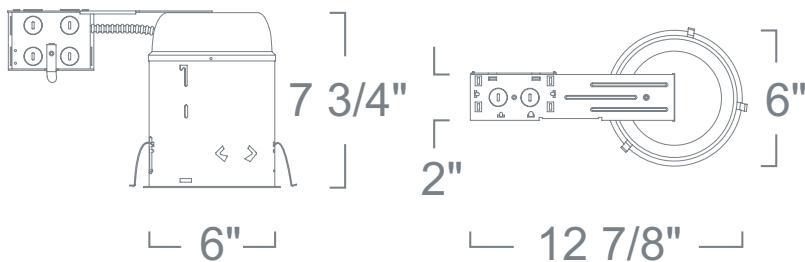


**Remodel Housing w/ Adjustable Pull Down (Dimmable)**

6"

**SPECIFICATION**

Ceiling cut-out: 6 1/4"

**Application:** General purpose housing specially designed for use with Liton's LRELD6 Series Retrofit-able GU24 LED Trims and Cree's LR6 LED Module.

**Housing:** Pre-wired housing adjusts up to a 1-1/2" ceiling thickness. Integral thermal protector to guard against improper lamping and installation. Trim is secured with torsion wing springs/standard coil springs or serrated clips.

**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.

**Socket:** Specialty Energy Efficient GU24 socket with high temperature leads. Socket mounts directly on trim, then trim is installed into housing.

**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:** IC rated housing rated for direct contact with loosefill blown and rolled insulation.

**Airflow:** Airtight option is designed to restrict air flow from room into plenums in compliance to the WSEC - Washington State Energy Code, (Less than 2.0 CFM -Cubic Feet per Minute). Complies to Title24 air flow requirements (Air-tight).

**Safety Labels:** UL/CUL listed for through-branch wiring (8) No.12 AWG 90°C and suitable for damp locations. NYC approved: Calendar #41937.

**Insulation Contact:** Energy Efficient LED housing comes standard with IC rating for direct contact with loosefill blown and rolled insulation.

**Caution:** Use of any 3rd party lamp source in this unit is subject to the lamp/module manufacturer's own limitations. In no way does LITON make any claims to compatibility in regards to form, fit, usage and case temperature conditions with other manufacturer's products. Users are responsible for confirming compatibility under all aforementioned conditions before using this product.

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

**FEATURE:**

**Application:** This Adjustable LED Pull Down Trim can be used with LITON new construction and remodel housings with a GU24 socket and is retrofittable for use with line voltage GU24 housings. The elbow design provides full horizontal and vertical adjustability and allows it to function as an accent light and a downlight. Lumen output is comparable to a 75W MR16 Lamp.

**Mounting:** Mounts into standard 6" General Purpose Recessed GU24 housings. Steel pressure springs mounted on trim to ensure positive retention inside housing. Alternate mounting methods available, consult factory.

**Power Connection:** Comes standard with GU24 socket mounted to top of fixture. Meets CA Title 24 Requirements and other standards restricting the use of Medium Base or Bi-Pin Sockets.

**Lumen Maintenance:** Minimum 35,000 hours L70 life based on ANSI TM-21 calculations from LM80 standardized test results.

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

**Driver:** Electronic Direct Current driver mounted on fixture. Comes standard with Incandescent dimming. Smoothly dims down to 5% with standard Incandescent and Low Voltage dimmers.

**Color Temperature:** Comes with 3,000K Warm White LED's binned according to ANSI C78.377A for color temperature and chromaticity ranges. Available with other color temperatures with ANSI binning between 2700K and 6500K. To order use "-T" Suffix followed by color temperature, consult factory as extended lead times and minimum order quantities apply. Example: 4,000K = -T40.

**Safety Labels:** ETL/CETL listed. Suitable for damp locations. NYC approved: Calendar #41937."

**Warranty:** Covered by a 3 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.

Made in USA

**REMODEL HOUSING**  
**LH7RICA-LLF-GU24** LED**ADJUSTABLE PULL DOWN (DIMMABLE)**  
**LRELD667** 120V LED

DESCRIPTION	FINISH	BEAM SPREAD
LH7RICA-LLF-GU24: Remodel Housing	LRELD667B :Black	-B45:Flood

LRELD667B :Black	-B45:Flood
LRELD667N :Natural Metal	-B60:Wide Flood
LRELD667W :White	

*Ordering example:* LH7RICA-LLF-GU24-LBL13/LRELD667B-B60

## 6" LED Adjustable Downlight

Lamp: (1) LED, 12W 700Lm

Total Rated Fixture Lumen : 562.9 Lm

Total Luminaire Efficacy : 48 Lm/W

Luminous Diameter : 1.8"

CRI : 80 Standard

## LM79 Report File

#L07133810

By:

Lighting Sciences Inc.

LRELD667

## LED DETAILS

### Light Source Specification

Color Rendering Index (CRI): 80+

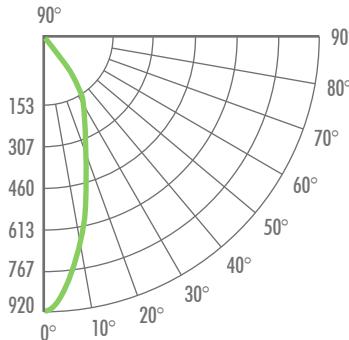
Color Temperature: 3,072K

Estimated Life: 35,000 + hrs. - L70

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

## ZONAL LUMENS SUMMARY

Zone	Lumens	% Fixt
0 - 30	382.1	67.9
0 - 40	506.9	90.1
0 - 60	544.3	96.7
60 - 90	18.6	3.3
70 - 100	11.1	2.0
90 - 120	0.0	0.0
0 - 90	562.9	100.0
90 - 180	0.0	0.0
0 - 180	562.9	100.0



## CANDELA TABLE - TYPE C

CD./SQ.M (FOOTLAMBERTS)	
Angle	0
0	914
5	849
15	557
55	10
65	8
75	6
85	6
90	0

## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

### EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	80				70				50				30				10				0				
	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	50	30	20	50	30	20	50	
0	119	119	119	119	116	116	116	100	111	111	111	106	106	106	102	102	102	100	102	102	102	100	100	100	
1	113	110	107	105	110	108	105	93	104	102	100	100	98	97	97	95	94	92	91	89	87	86	85	84	83
2	107	102	98	94	105	100	96	86	97	94	91	94	91	89	89	85	82	81	79	82	78	76	83	80	77
3	102	95	90	86	100	94	89	80	91	87	84	85	81	77	79	75	71	77	74	71	69	73	69	66	65
4	97	89	83	79	95	88	82	75	86	77	72	76	71	67	74	70	67	73	69	66	65	70	67	63	62
5	92	83	77	73	90	82	77	70	80	76	72	79	75	71	77	74	71	77	74	71	69	73	69	66	65
6	87	78	72	68	86	77	72	66	76	71	67	74	70	67	73	69	66	70	67	64	70	67	63	62	61
7	83	74	68	63	82	73	67	62	72	67	63	71	66	63	68	63	60	66	62	59	61	66	62	59	57
8	79	70	64	59	78	69	63	58	68	63	59	67	62	59	64	59	56	63	58	55	54	64	59	55	53
9	75	66	60	56	74	65	60	55	64	59	56	64	59	55	63	58	55	60	55	52	51	63	58	55	53
10	72	62	57	53	71	62	57	52	61	56	53	60	56	52	60	55	52	60	55	52	51	60	55	52	51

## MULTIPLIERS

### COLOR TEMP

3,000K	1.00
4,000K	1.13
2,700K	0.90

## LUMINANCE SUMMARY CD./SQ.M.

CD./SQ.M (FOOTLAMBERTS)	Mean CD/Sq. M.
Angle	Mean CD/Sq. M.
0-10	76.4
10-20	154.0
20-30	151.8
30-40	124.8
40-50	27.7
50-60	9.7
60-70	7.6
70-80	6.3
80-90	4.8
90-100	0.0