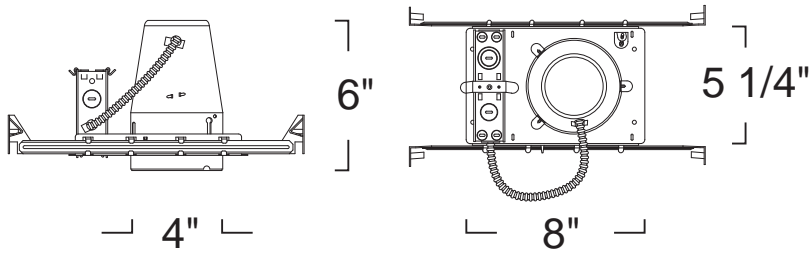


## Standard E26 Housing w/ 4" LED REFLECTOR

### LH99 SERIES - 4" LINE VOLTAGE RECESSED LIGHTING (PAR20/PAR30)



### SPECIFICATION

Ceiling cut-out: 4 1/2"

**Application:** General purpose recessed downlight housing for low to medium height ceilings for residential and light commercial applications. A variety of trims, compatible styles and finishes are available to achieve the desired décor 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. Housing provides an adjustable socket plate which allows for use of different lamp types. Trim is secured with torsion wing springs.

**Mounting:** Housing suitable for new construction installations only, supplied with (2) 24" adjustable hanger bars with 90 degree repositioning ability. 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.

**Socket:** Standard porcelain medium screw base socket with high temperature leads.

**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.

**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.

**Label:** UL Listed, cETL Listed

### FEATURE:



**Application:** General Purpose LED Trim for Retrofit, New Construction and Remodel Applications in low to medium height ceilings. Qualified as high efficacy for Title 24 by the California Energy Commission.

**Mounting:** Mounts into standard 6" General Purpose Recessed housing with steel pressure springs mounted on trim to ensure positive retention inside housing.

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

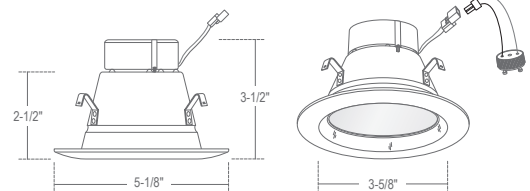
**Thermal Management:** Effective thermal dissipation facilitated by integral cast-aluminum, finned heat sink design for maximum heat rejection to provide long LED life.

**Driver:** Electronic Direct Current driver mounted in fixture. Comes standard with dimming. Smoothly dims down to 10% with standard Incandescent and Electronic Low Voltage dimmers. Not recommended for 3-Way Dimmers

**Color Temperature:** Comes with 3,000K Warm White LED's binned according to ANSIC78 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 apply.

**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.



**STANDARD E26 HOUSING**  
**LH99** 120V 75W Max PAR30/PAR20 MED E26, 40W A19

**4" LED REFLECTOR**  
**LRLD4** 120V LED / GU24

Ordering example: LH99A/LRLD4W

RATING	FINISH	COLOR TEMP	BASE
LH99A: Airtight	LRLD4W: White Reflector/White Ring	Blank :3000K	Blank :GU24
		S-GU24-MED :Med Base	

### 4" LED Downlight Luminaire

Total Luminaire Watts :9W

Color Redering Index(CRI) :90 CRI

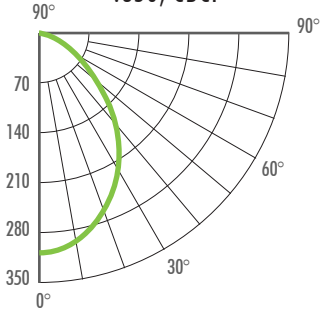
Color Temperature :3,072K

Estimated Life :35,000 + hrs. -L70

### LRLD4W LED LUMINAIRE

#### CANDELA TABULATION

:350, CBCP



#### ZONAL LUMENS SUMMARY

Zone	Lumens
0 - 10	28.90
10 - 20	79.81
20 - 30	113.2
30 - 40	122.3
40 - 50	106.2
50 - 60	75.25
60 - 70	41.40
70 - 80	15.79
80 - 90	3.934

#### RECORDED LAYOUT

Height	Space
8'	4 X 4
10'	4 X 4