

# INSTALLATION INSTRUCTIONS FOR RECESSED LED FIXTURES MODELS LY41RCD-WET AND LY61RCD-WET BY LOTUS LED LIGHTS

## CONSTRUCTION:

Round 4" and 6" fixtures with integral LEDs. Isolated external driver factory installed inside junction box. One driver for every fixture required. Power Factor > 0.95. LED fixture and driver are TYPE IC rated - approved for direct contact with insulation. Pot light housing is NOT required even for insulated ceilings. Lifespan: 50,000 hours.

Suitable for wet locations and shower installations. Not suitable for steam showers and saunas. Waterproof fixture, not waterproof driver - do not expose the driver to rain.

## CERTIFICATION:

cETLus. Conforms to UL STD. 1598. Certified to CSA STD. C22.2 NO. 250.0

Driver Input Voltage: 120 VAC 60Hz

Operating Temperature: -40°F (-40°C) to +104°F (40°C)

Available Light Colours (Kelvin): Warm White 3000K and Neutral White 4100K CRI: >80

MODEL:	ENERGY USED:	LIGHT OUTPUT:	EQUIVALENT TO:
LY41RCD	12W	Warm 700 lm, Neutral 800 lm	65W halogen
LY61RCD	15W	Warm 900 lm, Neutral 950 lm	75W halogen

**MOUNTING:** Cut hole in ceiling and snap fixture in opening with attached spring clips.

## DIMENSIONS:

LY41RCD	OD 4 15/16" (125mm)	ID 3 15/16" (100mm)	Thickness: 1" (25mm)	Cut out: 4 ± 1/4" (104 ± 6 mm)
LY61RCD	OD 7" (178mm)	ID 5 15/16" (151mm)	Thickness: 1" (25mm)	Cut out: 6 1/2" ± 1/4" (165 ± 6 mm)

## INSTALLATION:

ALL FIXTURES MUST BE INSTALLED IN ACCORDANCE WITH CURRENT APPLICABLE ELECTRICAL CODES.

### CONNECTING THE DRIVER:

Open the cover of the junction box. Push and remove one of the half-inch knockouts on the side plate. Install standard L16 cable connector. Use double connector for daisy chaining multiple drivers. Insert line voltage feed into the cable connector and splice same colour wires using wire nuts. Close the cover. Connect the driver to the light fixture - the arrows on the male and female parts of the connector between the driver and the fixture should match. Tighten the connector by hand. Do not attach the junction box to anything so you can pull it through the ceiling opening in case you need to service the driver in future.

### OPTIONS FOR LOCATING DRIVER:

1. Locate next to the fixture - run line voltage wiring to first junction box and "daisy chain" to the junction boxes of the other fixtures.
2. Or install all drivers at one location and use low voltage extension cables to the fixtures. Use only extensions provided by the manufacturer. Available jumper cables are 6' (1.8m) (CAT# EXC6) and 20' (6m) (CAT# EXC20). Cables are linkable. Maximum run should not exceed 40' (12m).

### DIMMING:

We recommend LED/CFL dimmers that have a low range adjustment dial. After all fixtures are connected to the dimmer adjust the dial to the lowest position before the lights start to flicker or shut down. This setting depends on the local voltage and number of fixtures per dimmer. For a typical LED dimmer rated for 150W LED load the maximum number of fixtures per dimmer is: model: LY41RCD-WET - 12, LY61RCD-WET - 10.

**WARNING: DO NOT USE ANY OTHER DRIVERS EXCEPT THE LOTUS DRIVERS THAT ARE INCLUDED WITH THE FIXTURE. DO NOT CONNECT MULTIPLE FIXTURES TO ONE DRIVER. DO NOT OPEN THE LIGHT FIXTURE AND THE SIDE PLATES OF THE DRIVER - NO SERVICEABLE PARTS INSIDE.**