LUMEO R WET

SMDBacklit | Canless | Fixed Downlight | Interchangeable Trim



The wet rated light fixtures are required in any location where water or another liquid can drip, splash or flow onto the fixture. Wet location luminaires are designed and constructed to protect electrical components or conductive material from exposure to water or fluids. Locations that may require water resistant light fixtures could include car washes, selected food prep areas, various laboratory settings, shower rooms, eaves, garages and various types of manufacturing or industrial areas where fluids may be sprayed or splashed.

IP65 RATING WATERPROOF



This downlight is a wet location rated recessed downlight. The fixture is ETL Listed for wet locations and IP-65 dust and water resistance. The luminaire is suitable for installation in drywall, plaster, or t-bar grids with four adjustable L-brackets that allow for seismic support and secure attachment to metal T-Bars, joists or structural metal framing. Quick & easy Installation , just cut a hole in the ceiling and the attached spring clips snap the fixture into place – no housing required! It is designed with IC-rated performance for direct contact with insulation, and suitable for damp or wet locations. A mounting frame with optional hanger bars is included for new constructions.The housing bracket is sold separately, and a remote driver is included.

KEY FEATURES

Wet Rated LED Recessed Downlight - CCT Selectable

- Strong casting wet rated downlight with a remote driver j box.
- Electrical supply 120V, 100-277V, 100-347V available.
- Optional Triac/Elv/0-10V/Dali Dimmable functions or Triac/ELV/0-10V 3 IN 1 driver optional.
- Available in single CCT, 5CCT. LED color range could be customized as per request.
- Easy and quick installation to the ceiling.
- Type IC rated & No recessed housing required
- Suitable for indoor Dry, Damp locations and wet locations.
- Flexibility to switch color temperature during installation to suit a specific application
- CCT Selectable via a dip swith located on juntion box
- 5 year warranty on fixture and electronics.
- ETL Listed to US and Canadian standards (cETL,ETLus)

WARM DIM · Intertek · WET LOCATION · IC RATED · AIRTIGHT · DIMMABLE · 5 YEAR LIMITED WARRANTY

LUMEO R WET

3'',4'',5'',6''IP65LEDDownlight

PROJECT: _____

TYPE: _____

LOCATION: _____

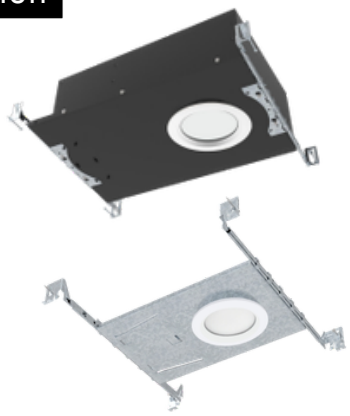
NOTE: _____

Remodel



New Construction





LED LIGHT BODY

RATED WATTAGE	UP to 30W
DELIVERED LUMENS	Up to 2550lm
EFFICACY	Up to 85 LPW (100 LPW-can be customized if required)
CCT @ 90CRI	2700K,3000K,3500K,4000K,5000K,3CCT or 5CCT
COLOR QUALITY	90+ CRI, 3-Step SDCM
LED LIFETIME	55,000 hours @ L90

OPTICS TECHNOLOGY

OPTICS	110°
FUNCTION	Fixed direct downlight
MEDIA	Glass clear/frosted cover

POWER SUPPLY

INPUT VOLTAGE	120V/100-277V/100-347Vac, 50/60Hz TRIAC/ELV, 0-
DIMMING	10V, Dali, Dmx (dims to 5%)or on/off Below Ceiling
SERVICABILITY	Access

HOUSING INSTALLATION

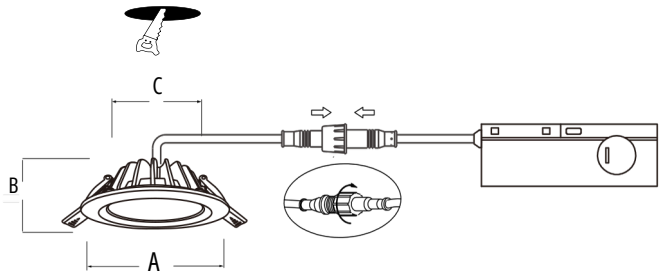
- New Construction with galvanized steel adjustable hanger bars
- New Construction with galvanized rough in plate without adjustable hanger bars
- Remodel installation option available
- IC Shallow housing option available if required
- Ceiling Material: Drywall, T-bar grid
- Steel junction box with up to 3 x ½" knockouts
- Type IC rated and Air-tighted

TRIM RING SLECTABLE

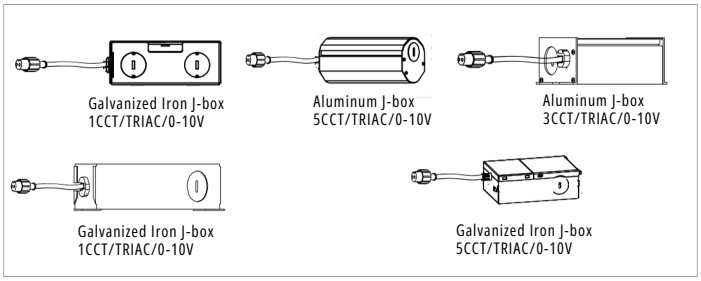


Matt White Matt Black Brush Nickel Brown

MEASUREMENT (unit:mm)



Electrical Connection Box



DIMENSIONS (unit :mm)

Item	A(mm)	B(mm)	C(mm)	Power (w)
3inch	95	47	75-80	Up to 9w
4inch	112	50	92-100	Up to 18w
5inch	145	50	92-130	Up to 18w
6inch	190	50	160-180	Up to 30w

Due to continuous improvements, the information herein may be changed without notice

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LUMEO R WET

3'',4'',5'',6''IP65LEDDownlight

PROJECT: _____

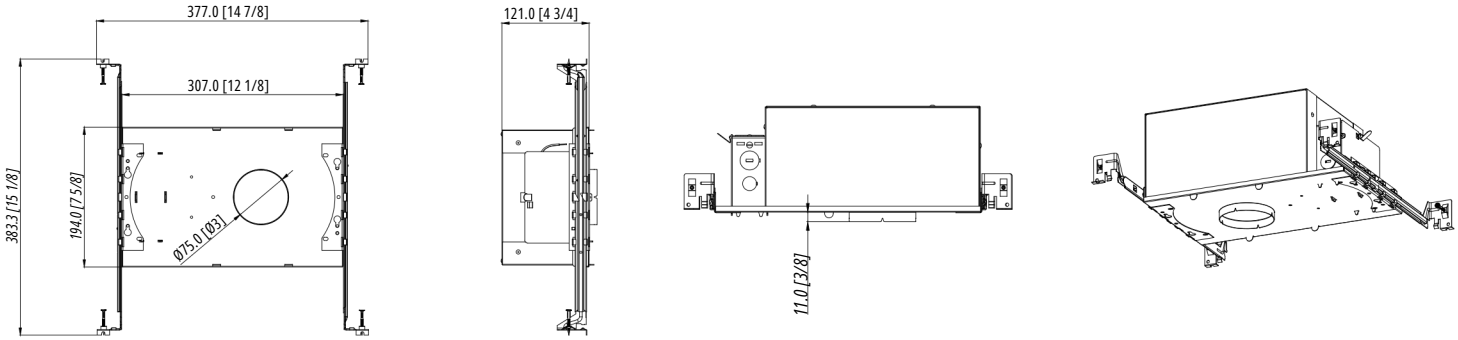
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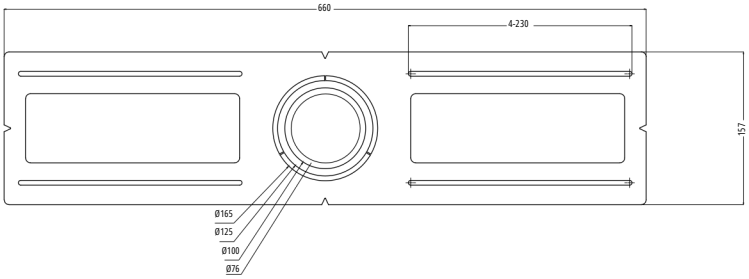
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NEW CONSTRUCTION ACCESSORY

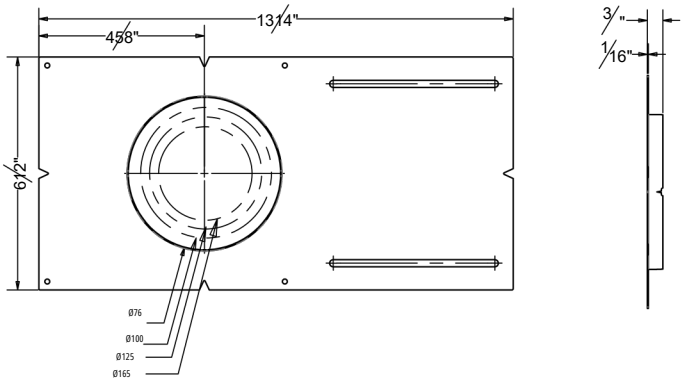
IC, Airtight Housing:



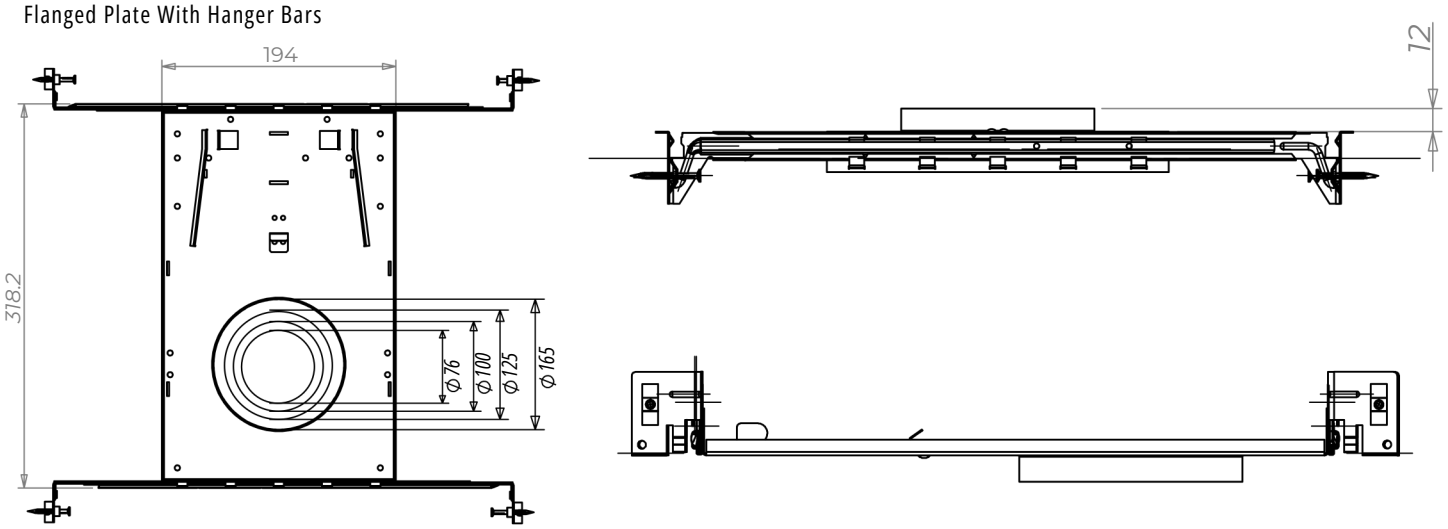
26'' Flat Rough-in Plate



13'' Flat Mounting Plate:



Flanged Plate With Hanger Bars



LUMEO R WET

3'',4'',5'',6''IP65 LEDDownlight

PROJECT: _____

TYPE: _____

LOCATION: _____

NOTE: _____

CONSTR UCTION
Strongcastingdesigns with powder paint coat preventing discoloring and rusting. Designed for new construction, remodels. Effective thermal dissipation facilitated by integral cast-aluminum with best heat disspation performance. No housing required, installs directly into the ceiling.

LED CHARACTERISTICS
Field-adjustable dip switch 2700K/3000K/3500K/4000K/5000K in color of standard CRI80 and optional CRI90 , <3-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture colors. Single CCT, 3CCT 5CCT available for different application requirements.

Various Optic:
Frostedglasslens with 110° direct downlight beam angles.

LED Dimming Driver:
120-volt drivercompatible with incandescent, magnetic low voltage and ELV dimming or the universal 100V-277V/347V driver with 0-10V dimming, conforms to CSA C22.2 No. 250.0 & UL1598 standards. Phase dimming, Forward 1% & Reversed 5% (120V only) & 0-10V, dim off

Mounting:
Strongsnap-in mounting springs, for the use without junction box or recessed can, quick &easy installation for new constructions/Remodel applications.

Location:
Suitablefor indoor dry/damp/wet locations

Listing:
ETLListed in US and Canadian standards (cETL,ETLus)

Warranty:
5-YearLED Limited Warranty

ORDERING GUIDE

CATALOG # Example: LUMEO-R-W-NC-09L-9-WD-PDM-blank-SH-R-MW

FIXTURE MODULE

Item	Applications	Lumen Output	CCT	CRI	Distribution	Driver Options	Voltage	CONSTANT VOLTAGE
LUMEO-R-W	RM Remodel NC New Construction	09L 765 10L 850 12L 1020 15L 1275 18L 1530 20L 1700 25L 2125 30L 2550	27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K 3CCT 3CCT 5CCT 5CCT	9 80+ 8 90+	WD Wide Flood 110°	PDM Phase (Forward/ Reverse) Dimming to 1%/5% DM 0–10V Dimming to 1%/5% DMX DMX with RDM dimming to < 0.1% DALI DALI Dimming to 1% 3 IN 1 Triac/Elv/0-10V Dimming to 1%/5%	blank Standard volt. 120V, 60Hz UNV1 Universal volt. 100-277V, 60Hz UNV 2 Universal volt. 100-347V, 60Hz	CV [1] (Constant Voltage, 12Vdc) CV [2] (Constant Voltage, 24Vdc) CV [3] (Constant Voltage, 36Vdc) CV [4] (Constant Voltage, 42Vdc) CV [5] (Constant Voltage, 48Vdc) *Compatible with POE scheme system with Rj45 connection

Brackets & Finish

Mounting Bracket	Trim Style	Trim Color Options
blank Remodel FRP 26'' Flat Rough-in Plate, AM-35 FMP 13'' Flat Mounting Plate DGL-P4-FB PHB Flanged Plate With Hanger Bars A4-P ISH IC, Airtight Shallow housing, A35-M	R Round Trim	MW Matte White MB Matte Black MS Matte Silver BN Brush Nickel BZ Bronze CT Customized

ASSESSORY AVAILABLE

Push-in plastic /Clamp Connector

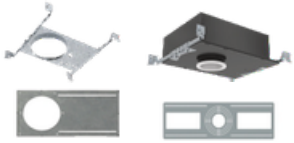


Extension Cable-2Pin/3 Pin



6ft/10ft/20ft

New Construction Plate/Housing



EM Backup LED Driver



5W / 8W
90mins

MAXTAR Lighting

LUMEO R WET

3'',4'',5'',6'' IP65 LED Downlight

PROJECT: _____

TYPE: _____

LOCATION: _____

NOTE: _____

INSTRUCTION OF RECESSED LED DOWNLIGHT

IMPORTANT: READ ALL INSTRUCTIONS BEFORE INSTALLATING FIXTURES. KEEP FOR FOR FUTURE REFERENCE.

SAFETY: FOR YOUR SAFETY, THIS FIXTURE MUST BE WIRED IN ACCORDANCE TO LOCAL ELECTRICAL CODES AND ORDINACES. ALL WORK SHOULD BE DONE BY A QUILIFIED ELECTRICIAN.

WARNING: MAKE SURE POWER IS OFF FROM THE ELECTRICAL PANEL BEFORE STARTING INSTALLATION OR ATTEMPTING ANY MAINTENANCE. INDOOR INSTALLATION ONLY.

TOOLS REQUIRED:
- Saw
- Measuring Tape
- Electrical Wiring (use type and gauge suitable for application to connect the fixtures)

PRE-INSTALLATION:
1. Turnpower OFF from the electrical panel before starting installation.
2. Locate a suitable position to place the fixture and open in accordance to the cut-hole dimensions (refer to Hole Cut Table for appropriate size).
3. Run electrical wire from the switch (power supply) through the mounting hole- use NMD90 Romex

DRIVER WIRING:
1. Open the hardwire box swing cover and remove the appropriate knockout(s).
2. Insert the electrical supply cable through the knockout and secure with a cable connector (sold seperately).
3. On each push-in terminal, connect green ground wire of cable to green wire on box. Connect black wire of cable to black wire of box. (Fig.1)
4. Place all wiring and connections back into the box and close the cover.
5. Insert hardwire box through the mounting hole. (Fig.3)

NEWCONSTRUCTION APPLICATIONS: Hardwire box shall be firmly secured to studs, joists, or similar fixed structural units.
REMODEL APPLICATIONS: Do not require the hardwire box to be firmly secured after the mounting plates, studs, joists, or structural units have been concealed.

FIXTURE INSTALLATION:
1. Connect the fixture to the hardwire box by inserting and twisting the male/female connectors and use switch to select Color Temperature. (Fig.2)
2. Push spring loaded clips on the fixture upwards and insert fixture base into the mounting hole. Release the clips and fixture will be pulled flush to the ceiling. (Fig.4)
3. Once assembly is complete, turn on power to confirm fixture is working properly.

Fig.1

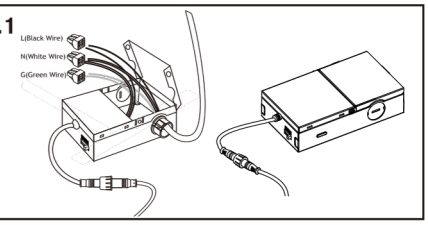


Fig.2

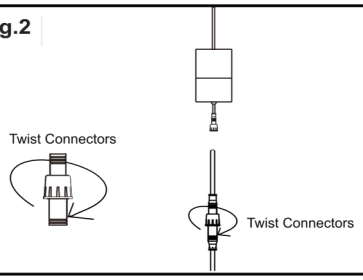


Fig.3

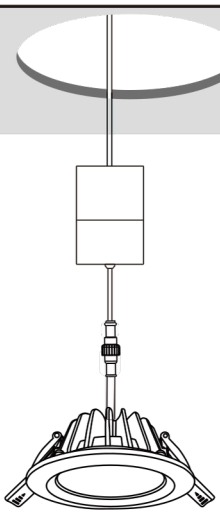
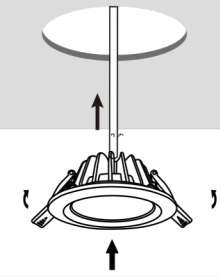


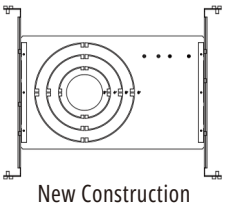
Fig.4



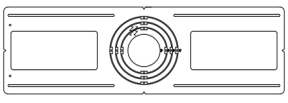
WARNING - RISK OF ELECTRIC SHOCK. DISCONNECT MAIN POWER AT FUSE OR CIRCUIT BREAKER BEFORE INSTALLING OR SERVICING THE FIXTURE.

Please read carefully and save these instructions as you may needthem at a later date.
GENERAL: All electrical connections must be in accordance with local and National Electrical Code (N.E.C.) standards. If you are unfamiliar with proper electrical wiring connections obtain the services of a qualified electrician. Remove the KIT from the box and make sure that no parts are missing by referencing the PARTS illustrations.

Necessary Accessories for New Construction applications



New Construction Mounting Bracket



New Construction Mounting Rough In Plate

INSTRUCTION OF RECESSED LED DOWNLIGHT

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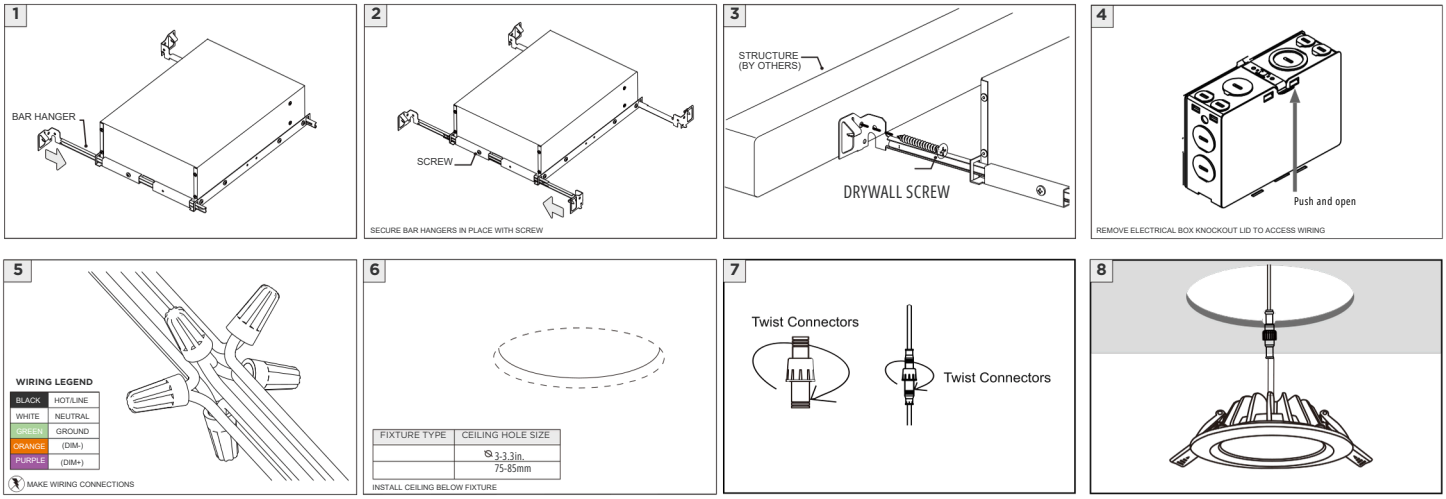
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TOOLS REQUIRED:
•Saw
•Measuring Tape
•Electrical Wiring (use type and gauge suitable for application to connect the fixtures)

PRE-INSTALLATION:
1. Turn power OFF from the electrical panel before starting installation.
2. Locate a suitable position to place the fixture and open in accordance to the cut-hole dimensions (refer to Hole Cut Table for appropriate size) -Remodel application. Set the shallow housing to the ceiling for new constructions.
3. Run electrical wire from the switch (power supply) through the mounting hole- use NMD90 Romex or BX cable.

SH - SHALLOW HOUSING (FOR NEW CONSTRUCTION ONLY)



Step 1: Position the Fixture: Identify the installation location for the light fixture on the ceiling. Install the fixture using the two provided hanger bars. Ensure that the fixture is securely supported by the hanger bars, mounting channel, suspension rods, and/or safety wires anchored to the building's structural framework. (See 1, 2, 3)

Step 2: Prepare the Electrical Box: Remove the knockout cover from the electrical junction box to access the internal wiring. To remove the knockout, use a flathead screwdriver or appropriate tool to disengage the metal clip. (See 4)

Step 3: Make Electrical Connections: Carefully connect the fixture's wiring to the corresponding wires in the junction box, ensuring all connections are made in compliance with electrical codes. Use wire nuts (twist-on connectors) or other approved con nectors to secure the wiring, and verify proper ground connection. (See 5)

Step 4: Drywall Cutout: Using the provided cutout template, mark and cut the appropriate hole in the drywall to accommodate the shallow housing of the fixture. Ensure the hole dimensions match the specified requirements to allow for a secure fit. (See 6)

Step 5: Connect LED Driver: Route the input wires from the LED driver, which is mounted in the fixture housing. Connect these wires to the corresponding terminals of the light fixture, ensuring a tight, secure connection by aligning and twisting the male and female connectors. (See 7)

Step 6: Install the Downlight: Press the downlight's mounting clip and insert it into the ceiling's cutout hole. Ensure the fixture is fully seated and securely held in place by the clips, ensuring a flush, stable installation. (See 8)

Step 7: Power On: Once the installation is complete and all connections have been verified, restore power to the fixture by turning on the circuit breaker. Test the fixture to ensure it operates correctly.

WARNING - RISK OF ELECTRIC SHOCK. DISCONNECT MAIN POWER AT FUSE OR CIRCUIT BREAKER BEFORE INSTALLING OR SERVICING THE FIXTURE.

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