

READ AND UNDERSTAND THESE INSTRUCTIONS BEFORE INSTALLING FIXTURE

This fixture is intended for installation in accordance with the National Electrical Code and local regulations. To assure full compliance with local codes and regulations, check with your local electrical inspector before installation. To prevent electric shock, turn off electricity at fuse box before proceeding.

Retain these instructions for maintenance reference.

INSTRUCTION SHEET NO.

IS:1181

B1104

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INSTALLATION PROCEDURE FOR: 1181WH, 1181CD, 1081WH, 1081CD

1181WH and 1181CD for use with 1104, 1104R, 1104IC and 1104ICR only.

1081WH and 1081CD for use with 1004, 1004R, 1004IC and 1004ICR only.

CAUTION: (RISK OF FIRE) FOR NON-IC RATED INSTALLATIONS, DO NOT INSTALL INSULATION ABOVE OR WITHIN 3 INCHES OF ANY PART OF FIXTURE.

CAUTION: USE ONLY REFLECTOR TRIMS PROVIDED BY LIGHTOLIER. USE OF OTHER MANUFACTURER'S REFLECTOR TRIMS MAY VOID THE UNDERWRITERS LABORATORIES LISTING AND COULD CONSTITUTE A FIRE HAZARD.

CAUTION: BEFORE INSTALLING REFLECTOR TO FRAME-IN-KIT, READ MARKINGS IN REFLECTOR AND IN SOCKET CUP OF FRAME-IN-KIT TO DETERMINE LAMP WATTAGE AND TYPE APPLICABLE FOR YOUR INSTALLATION.

1 FRAME-IN KIT INSTALLATION: See Frame-In Kit Instruction Sheet for installation procedure.

2 GASKET INSTALLATION:

- Align open side of gasket towards socket cup (figure A).
- Pinch gasket and insert both edges under the reflector spring clip and align inner diameter to socket (figure B).
- Push center of gasket until seated over socket and perimeter of gasket is just inside the socket cup (figure C).
- Large internal diameter should fit over the lamp socket, small internal diameter sits on top of socket (figure D).



Figure A



Figure B



Figure C



Figure D

CAUTION – DO NOT STRETCH SMALL INTERNAL DIAMETER OF GASKET OVER LAMP SOCKET. THE GASKET MUST SIT ON TOP OF SOCKET TO PROVIDE SEAL TO LAMP.

3 SNAP ON:

Insert gasketed socket cup into neck of reflector making sure spring clips of socket cup snap into slots of reflector (figure E).



Figure E

4 PUSH UP:

Push reflector trim straight up into fixture housing until it is tight against ceiling (figure F).



Figure F

Note: To remove reflector trim, squeeze reflector spring clip from inside until the trim disengages. To retrieve socket cup, pull on one of the socket cup spring legs to disengage (figure G).



Figure G

Replacement Gasket Available: **Lightolier Catalog No. LFG356**

LIGHTOLIER®

LIGHTOLIER A **GENLYTE** THOMAS COMPANY
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LIGHTOLIER®

TECHNICAL BULLETIN

WET LOCATION RATING OF RECESSED LUMINAIRES

The 2002 National Electric Code ® (NEC) ¹ contains requirements addressing environmental ratings applicable to luminaires. The following sections define requirements for luminaires installed in wet locations:

410.4 (A) Wet and Damp Locations. Luminaires (fixtures) installed in wet or damp locations shall be installed so that water cannot enter or accumulate in wiring compartments, lampholders, or other electrical parts. All luminaires (fixtures) installed in wet locations shall be marked, "Suitable for Wet Locations". All luminaires (fixtures) installed in damp locations shall be marked, "Suitable for Wet Locations" or "Suitable for Damp Locations".

Article 100, Definitions

Location, Damp. Locations protected from weather and not subject to saturation with water or other liquids but subject to moderate degrees of moisture. Examples of such locations include partially protected locations under canopies, marquees, roofed open porches, and like locations, and interior locations subject to moderate degrees of moisture, such as some basements, some barns, and some cold storage warehouses.

Location, Wet. Installations under ground or in concrete slabs or masonry in direct contact with earth; in locations subject to saturation with water or other liquids, such as vehicle washing areas; and in unprotected locations exposed to weather. ²

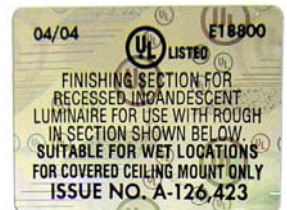
Because of the multiple variables involved, location type must be determined on a case-by-case basis. Mounting height, protective cover, the likelihood of water spray and other factors must be considered. Article 100 (Definitions) gives parameters and examples that can assist in these determinations. The local Authority Having Jurisdiction should be consulted.

UL LISTING: To correlate with the NEC requirements regarding location, Underwriters Laboratories, Inc. (UL) assigns location ratings to luminaires based on their compliance with standards and testing. Luminaires (fixtures) suitable for installation in wet locations as defined in the NEC must comply with the appropriate construction and test requirements of UL 1598 in order to be marked "Suitable for Wet Locations".

RECESSED: Select Lightolier recessed luminaire (fixture) finishing sections (trims) are rated "Suitable for Wet Locations - Covered Ceiling Mount Only". Lightolier rough-in sections are rated "Suitable for Damp Locations". This combination allows installation where the area below the ceiling is a wet location and the area above the ceiling is not exposed to saturation with liquids, but may be subject to moderate degrees of moisture. It should be noted that a luminaire (fixture) that complies with the UL requirements for wet locations, and is labeled as such, may or may not have a lens or gasket.

LIGHTOLIER OPEN WET LOCATION FINISHING SECTIONS (TRIMS) 1081, 1181, 1084, 1184 AND 2084:

Each of these finishing sections bear a UL Marking signifying that they are "Suitable for Wet Locations – For Covered Ceiling Mount Only" when installed per the supplied instructions and with the specified frame-in kits and lamps.



The use of lamps identified as outdoor wet location rated, specific to the finishing section model number, is required to provide necessary shielding of the electrical components from liquid saturation and a lamp envelope suitable for contact with water. Each of these finishing sections is also provided with a high temperature silicone gasket which, when properly installed, seals the lamp base, lamp holder and electrical parts and complies with UL 1598.

All Lightolier recessed fixtures are Listed by UL, as evidenced by the UL Listing Mark on the products. All Lightolier fixtures are intended for installation in accordance with The National Electric Code and instructions provided with the product. In order to comply with applicable codes & regulations, Lightolier recommends that the local Authority Having Jurisdiction (building/electrical inspector) be consulted prior to installation and all necessary permits and inspections be obtained.

1 - Because National Electric Code requirements change from time to time, the current version accepted by the Authority Having Jurisdiction should be consulted prior to installation. 2 - [NFPA 70-2002] Copyright 2001 National Fire Protection Association.

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