

# PUKLIGHT®

## LENSED & UNLENSED

### INSTALLATION

**Before beginning any PUKLIGHT installation, disconnect electrical power at a main switch or circuit breaker.**

#### LIGHTED LAMP IS HOT!

To reduce the risk of FIRE, BURNS, and EYE DAMAGE:

1. Read all instructions before attempting any installation.
2. Disconnect and allow to cool for at least 5 minutes before replacing bulb.
3. Bulb gets HOT quickly! Be sure the power is off when relamping.
4. Do not touch hot lens, louver, or enclosure.
5. Do not direct light at persons.
6. Do not look directly at lighted bulb.
7. Keep lamp away from curtains, draperies, and similar materials.
8. Use only with a 10 watt or smaller bulb.
9. Do not touch the bulb at any time. Use a soft cloth. Oil from skin may damage bulb integrity.
10. The lensed fixture is provided with a glass lens or louver to protect the user from the excessive heat of the bulb and from particles of glass should bulb rupture occur. To reduce the risk of burns, do not operate the lamp without the lens or louver secured in place. Damaged glass lens or louver should be replaced before the lamp is used.
11. Use the following formula to determine the total number of fixtures that can be connected to each transformer:

$$QF = \frac{WT}{WF}$$

Round down to the nearest whole number.

Where QF = Total quantity of fixtures per transformer  
 WT = Wattage rating of transformer  
 WF = Wattage of lamps per fixture  
 (maximum wattage per fixture is 10 watts)

EXAMPLE:  

$$QF = \frac{60W}{10W} = 6 \text{ fixtures}$$

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Rounding down to the nearest whole number equals maximum of six fixtures for the above example.

**LAMP SELECTION.** PUKLIGHT is a low voltage lighting fixture designed to operate with a 12-volt power supply only. Use only with a 12-volt bare halogen lamp, 10 watts maximum.

**POWER SOURCE.** The power supply is typically a remote 12-volt transformer which is installed between the 120-volt electrical supply and the PUKLIGHT.



PUKLIGHT IS UL LISTED WHEN LENSED AND USED WITH PLUG-IN TRANSFORMER.



PUKLIGHT IS ETL LISTED WHEN LENSED AND USED WITH PLUG-IN OR HARD-WIRE TRANSFORMER.

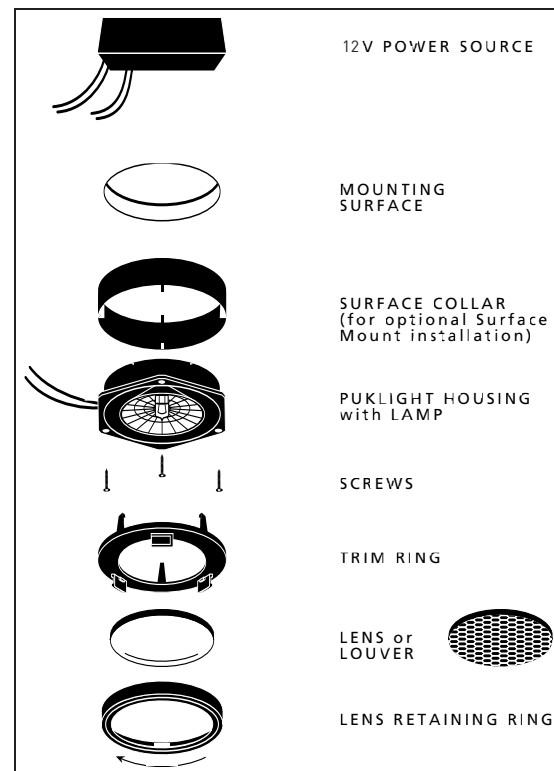
SAVE THESE INSTRUCTIONS.

#### LENSED PUKLIGHT FLUSH OR SURFACE MOUNT INSTALLATION

1. Follow WARNINGS and Technical Information on Lamping and Wiring (see reverse side).
2. If recessed, cut a hole in MOUNTING SURFACE 2 1/4" (57mm) in diameter (see template).
3. Remove LENS RETAINING RING with LENS or LOUVER by rotating counterclockwise 1/4 turn.
4. Remove the TRIM RING from the PUKLIGHT by gently prying the prongs from their slots.
5. OPTION: for surface mount installation, slide the SURFACE COLLAR over the PUKLIGHT housing.
6. Using the 3 screws provided, anchor the PUKLIGHT (and SURFACE COLLAR) to the MOUNTING SURFACE.
7. Reaffix the TRIM RING by gently snapping into place.
8. Replace LENS RETAINING RING and LENS or LOUVER to the PUKLIGHT HOUSING and secure by rotating 1/4 turn clockwise.

#### NOTE:

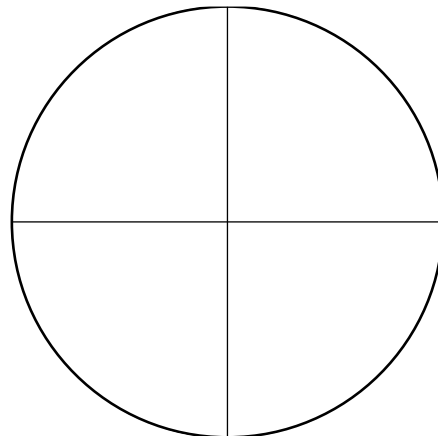
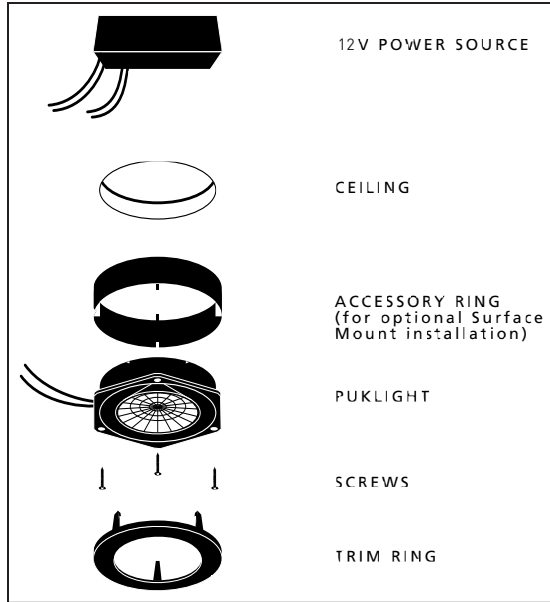
For lamp installation, refer to Technical Information-Lamping (see reverse side)



**UNLENSED PUKLIGHT  
FLUSH OR SURFACE MOUNT  
INSTALLATION**

1. Follow WARNINGS and Technical Information on Lamping and Wiring (see reverse side).
2. If recessed, cut a hole in MOUNTING SURFACE 2 1/4" (57mm) in diameter (see template).
3. Remove the TRIM RING from the PUKLIGHT by gently prying the prongs from their slots.
4. OPTION: for surface mount installation, slide the SURFACE COLLAR over the PUKLIGHT housing.
5. Using the 3 screws provided, anchor the PUKLIGHT (and SURFACE COLLAR) to the MOUNTING SURFACE.
6. Reaffix the TRIM RING by gently snapping into place.

**NOTE:**  
For lamp installation, refer to Technical Information-Lamping (see reverse side)



Hole template for  
FLUSH MOUNT  
2 1/4" (57 mm)

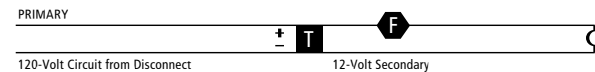
**TECHNICAL INFORMATION**

**LAMPING.** Remove LENS RETAINING RING (unless UNLENSED) with LENS or LOUVER by rotating counterclockwise 1/4 turn. Trim need not be removed for relamping. Use tissue or soft cloth for relamping. Hand contact with lamp diminishes lamp life. Be sure power is off and allow lamp to cool at least 5 minutes before relamping.

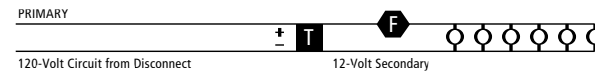
**WIRING.** LENSED PUKLIGHT is a UL Listed, Class II, low voltage lighting fixture when used with a plug-in transformer. It is ETL Listed, Class II, when used with a plug-in or hardwire transformer. It is designed to work with a 12-Volt power supply only. Use only with a 12-Volt 10-Watt lamp maximum. A typical installation requires a transformer between the 120-Volt electrical supply and the Puklight fixture. When Puklights are installed alone or in tandem, the power supply (i.e., transformer in typical installation) must be protected with an in-line circuit breaker or fuse that is properly sized to load. Lucifer transformer models ET60-12 and ET150-12 (hardwire) and ETP60-12 (plug-in) have built-in short circuit protection.

An installation using from 1 to 6 Puklights, 10 watts each, requires a 60-watt transformer, 18 gauge wire no more than 10 feet in length and fuse or circuit breaker. Consult an electrical engineer if more than 6 Puklights are to be installed in multiple fused circuits. See diagram for connection and fusing below:

**PUKLIGHT SINGLE UNIT**



**PUKLIGHT N TANDEM**



**T** TRANSFORMER  
Transformer with circuit breaker, fuse or thermal device, capacity rated to wattage requirements.

**F** FUSE

**O** PUKLIGHT  
Wiring: 12-Volt Secondary

**DIMMING.** PUKLIGHT may be dimmed through use of appropriate controls installed in the primary circuit of the transformer. All transformers must have clean voltage wave shapes applied to them to prevent overheating and burn-out. Standard household-type dimmers which phase-clip the voltage wave will burn out both the transformer and the dimmer.

**WARNING: Do not use incandescent or fluorescent dimmers with PUKLIGHT! Use only dimmers expressly identified for dimming low voltage magnetic transformers.**

**WARNING: PUKLIGHT WHEN LIT WITH HALOGEN LAMP IS EXTREMELY HOT!**

To avoid risk of fire, burns and eye damage:

1. Do not touch lamp when lit; do not direct light at persons and do not look directly at lighted lamp.
2. Disconnect and allow fixture to cool at least 5 minutes before replacing lamp.
3. Do not place fixture near curtains, draperies and in unventilated or confined areas.

**LUCIFER  
LIGHTING COMPANY**

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3750 IH35 North  
San Antonio, Texas 78219  
Phone (210) 227-7329  
Fax (210) 227-4967