

INSTALLATION AND ASSEMBLY INSTRUCTIONS

XLCL Series



SMARTVISION®

WARNING: Failure to follow instructions could result in damage to product and void warranties!

WARNING: Risk of fire or electrical shock. Disconnect power before installing or servicing.

WARNING: Verify the existing input voltage and ensure it matches input rating on luminaire's product label, located on inside of access cover.

WARNING: Before proceeding, read all instructions carefully to ensure proper and safe installation.

WARNING: Warranty is void if luminaire is tilted up or down from horizontal!

IMPORTANT: This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.

These tools are required: Size T-20 Torx driver, 3/4" socket with 6" extension & ratchet.



Listed to UL1598
Suitable for wet locations

LUMINAIRE PREPARATION

1. Remove top insert and place insert on work surface to protect finish.
2. Place luminaire - lens facing upward - onto work surface.
3. Remove access panel by turning access cover screw CCW (counterclockwise). Swing upwards, then remove from hinge at opposite end of cover. See Figure 1.

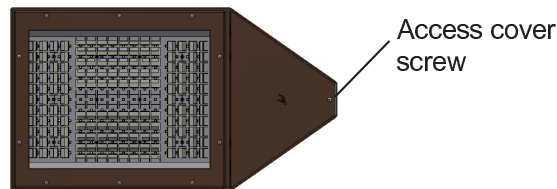
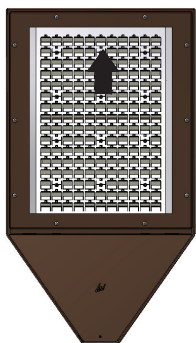


FIGURE 1

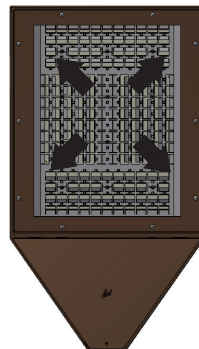
REFLECTOR IDENTIFICATION

4. Match the reflector in the luminaire with the corresponding reflector type. See Figures 2 and 3.

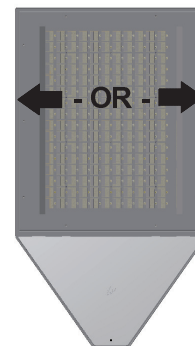
IMPORTANT REFLECTORS ARE NOT ACCESSIBLE OR FIELD ROTATABLE!



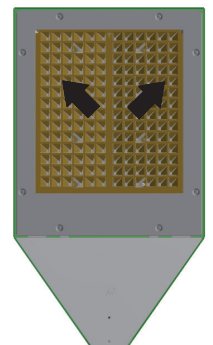
XLCL
Type FT



XLCL
Type 5



XLCL Type FT-L
or XLCL Type FT-R
(have yellow label with light
direction arrow - see Figure 3)



XLCL
Type 3

FIGURE 2

(Arrows indicate light output direction)



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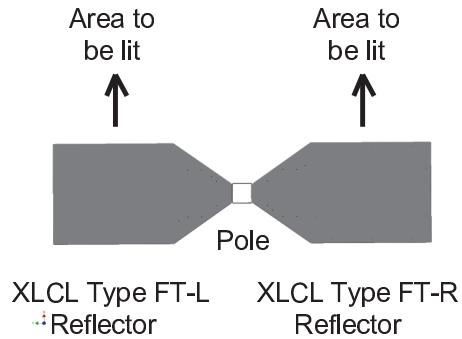
(513) 793-3200

Fax (513) 793-0147

www.lsi-industries.com

XLCL Series, cont'd.

IMPORTANT: XLCL Luminaires equipped with Type FT-L and FT-R reflectors will have a yellow label showing light beam direction. Compare luminaire light beam direction label to the site layout drawing to ensure luminaire is installed on correct poles, and in the correct orientation. **DO NOT REMOVE YELLOW LABEL UNTIL READY TO ATTACH TO POLE!** See Figure 3 below.



EXAMPLES OF XLCL D180 POLE ASSEMBLY
WITH FACTORY PRE-ROTATED OPTICS
FIGURE 3

POLE PREPARATION

IMPORTANT!!! SELECT WHICH POLE PREPARATION STEPS PERTAIN TO YOUR PARTS:

A. DIRECTLY TO SQUARE POLE - FIGURE 4

1. Lay pole on raised surface, protecting finish with soft cloth.
2. Locate hardware kit shipped with luminaire.
3. With nut plate inside pole, thread luminaire mounting studs thru top and bottom pole holes, then into nut plate. See Figure 4.
4. Proceed to Page 3.

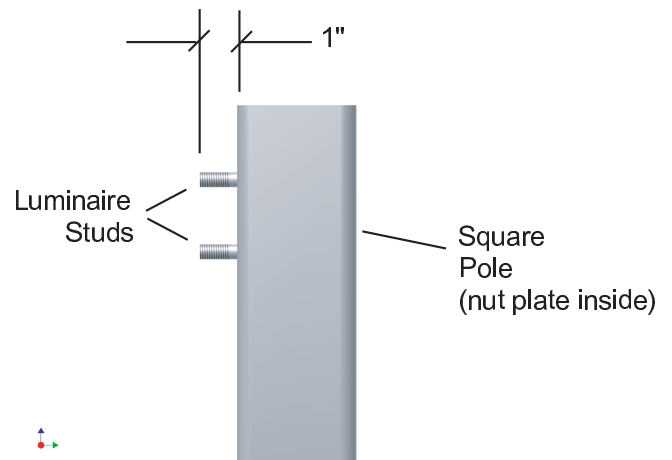


FIGURE 4

B. DIRECTLY TO ROUND POLE - FIGURE 5

1. Lay pole on raised surface, protecting finish with soft cloth.
2. Locate hardware kit shipped with luminaire.
3. Locate round pole adaptor (shipped separately).
4. With nut plate inside pole, thread luminaire mounting studs thru round pole adaptor, then thru top and bottom pole holes, then into nut plate. See Figure 5.
5. Proceed to Page 3.

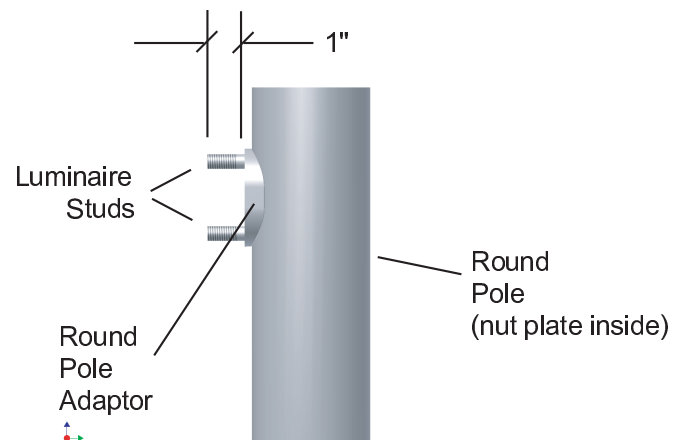


FIGURE 5



XLCL Series, cont'd.

ASSEMBLY OF LUMINAIRE TO POLE - Figure 6

1. Feed luminaire wires (white, black, and green/yellow) from back of luminaire through center (7/8" dia.) hole in pole.
2. Position luminaire over studs. Take care to not pinch luminaire wires. See Figure 6.
2. Secure luminaire to studs with supplied locking hex washer nuts. To ensure level luminaire, tighten upper nut first, then lower nut, (tighten each to 25 ft-lbs.) making sure luminaire and arm are "square" to pole. **NOTE: Use socket extension on lower nut.**
4. Proceed WIRING CONNECTIONS below.

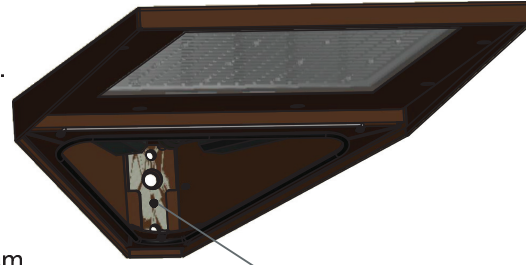


FIGURE 6

Locking Hex Washer Nut Location

INSTALLATION SUGGESTION: If luminaire has YELLOW light beam direction label, remove label and place on pole baseplate. Keep orientation of label arrow correct. This will help ensure the pole assembly is oriented to the anchor bolts correctly.

WIRING CONNECTIONS

WARNING: Wiring to be performed by qualified electrician! Wire per National Electrical Code and local code, as shown in Figure 7.

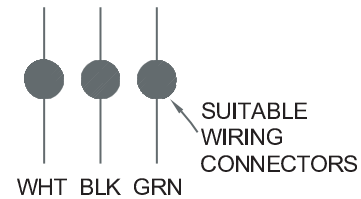
NOTE: XLCL is supplied with leads for connection to supply wiring - use Figure 7 for wiring.

IMPORTANT WIRING INFORMATION - Risk of electrical shock!

- * Make certain supply wiring is not "Hot" before wiring luminaire.
- * Make certain supply voltage corresponds to luminaire voltage, as marked on luminaire label, located on inside of access cover.

SUPPLY WIRING

NEU LINE GRD.



LUMINAIRE LEADS

FIGURE 7

COMPLETING LUMINAIRE ASSEMBLY

1. Reinstall access cover, and secure by turning access cover screw CW (clockwise).
2. Install pole cap.

NOTE: Pole must be pointed in right direction. Reference Light Beam Direction Arrow label in center of luminaire, and match to site layout drawing. (See installation suggestion at left.) For reference, make note of light beam direction arrow relative to handhole location near pole base. Be sure to REMOVE the Light Beam Direction Arrow label before raising pole.

3. The luminaire and pole assembly is now ready for installation to anchor bolts. When erecting pole, use belts, slings or ropes - do NOT use chain or cable. Do not attach to luminaire or arm!
4. Set and level anchor bolts using nuts and washers provided.

Installation Questions?

Call LSI Field Service Department at:
1-800-436-7800 Ext. 3300
Fax: 1-877-861-1368

