

INSTALLATION AND ASSEMBLY INSTRUCTIONS  
Crossover® XSB LED Area Luminaire



SMARTVISION®

SAVE THESE INSTRUCTIONS AND DELIVER TO OWNER AFTER INSTALLATION

BEFORE YOU BEGIN

Read these instructions completely and carefully, observing all CAUTIONS and WARNINGS shown throughout these instructions.

WARNING! RISK OF ELECTRIC SHOCK

- Disconnect or turn off power before installation or servicing.
- Verify that supply voltage is correct by comparing it with the luminaire label information.
- Make all electrical and grounded connections in accordance with the National Electrical Code (NEC) and any applicable local code requirements.

CAUTION: RISK OF INJURY

- Wear gloves and safety glasses at all times when removing luminaire from carton, installing, servicing or performing maintenance.
- Allow luminaire/driver to cool before handling.

NOTICE: RISK OF PRODUCT DAMAGE- Failure to follow instructions could result in damage to product and void ALL warranties!

- Only install fixture with lens facing downward.
- Never connect components under load.
- Do NOT mount or support these fixtures in a manner that can cut the outer jacket or damage wire insulation.

CLEANING INSTRUCTIONS

- It will occasionally be necessary to clean the outside of the lens. Frequency of cleaning will depend on ambient dirt level and minimum light output which is acceptable to the user.
- Lens should be wiped with a DAMP cloth with a solution of warm water and a mild, non-abrasive household detergent. Dry with soft, dry, clean cloth.
- Do NOT use chemical cleaners such as powder cleansers, bleach, etc.
- Do NOT use scouring pads, as this will scratch and damage the lens finish.
- Do NOT wipe with a soiled cloth or wet towel - these may leave a residue that can damage finish.
- Do NOT pressure wash or hose down luminaire.

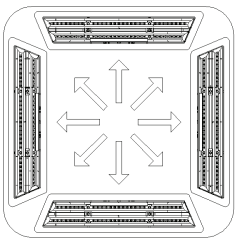


Listed for Wet Locations

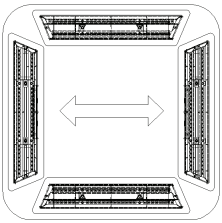
XSB Series, cont'd.

ALL UNITS:

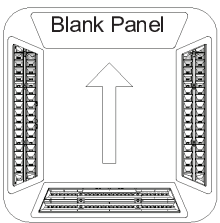
1. Remove luminaire from packaging, taking care to protect lens and finish. Check packing slip to make sure all parts are present before proceeding.
2. Place luminaire LENS-UP on protected surface.
3. Identify which reflector system is in each luminaire:
  - a. If luminaire has a Yellow Light Beam Direction label, make note of beam direction (Type FT/FTX, FTA/FTAX, or AIX).
  - b. If luminaire does NOT have a Yellow Light Beam Direction label, this is a luminaire model where light is emitted in all directions (known as “Type 5”). See examples below.Compare the luminaire’s light beam direction label to layout drawing, to ensure the proper luminaire is installed to the correct poles and in the correct orientation. See examples at bottom of this page.
4. If all luminaires’ Light Beam Direction is correct, proceed to Page 3.



Type 5 Reflector



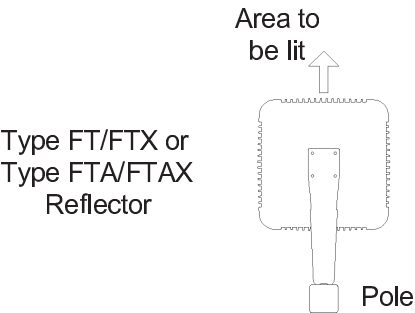
Type AIX Reflector



Type FT/FTX or  
Type FTA/FTAX  
Reflector

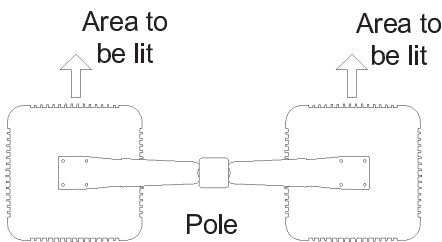
OPTIC BEAM DIRECTION EXAMPLES

NOTE: Yellow Beam direction label indicates area to be lit!



Type FT/FTX or  
Type FTA/FTAX  
Reflector

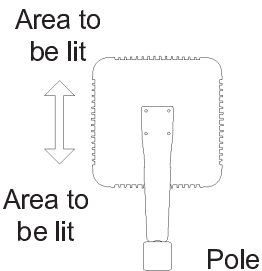
Pole



Type FT-L/FTX-L or  
Type FTA-L/FTAX-L  
Reflector

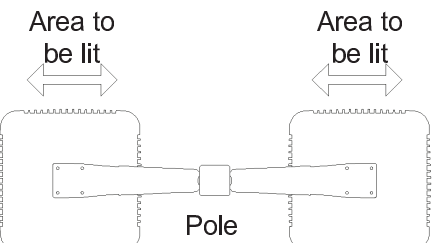
Type FT-R/FTX-R or  
Type FTA-R/FTAX-R  
Reflector

Pole



Type AIX  
Reflector

EXAMPLES OF SINGLE  
POLE ASSEMBLY



Type AIX  
Reflector

Type AIX  
Reflector

EXAMPLES OF D180 POLE ASSEMBLY  
WITH FACTORY PRE-ROTATED OPTICS

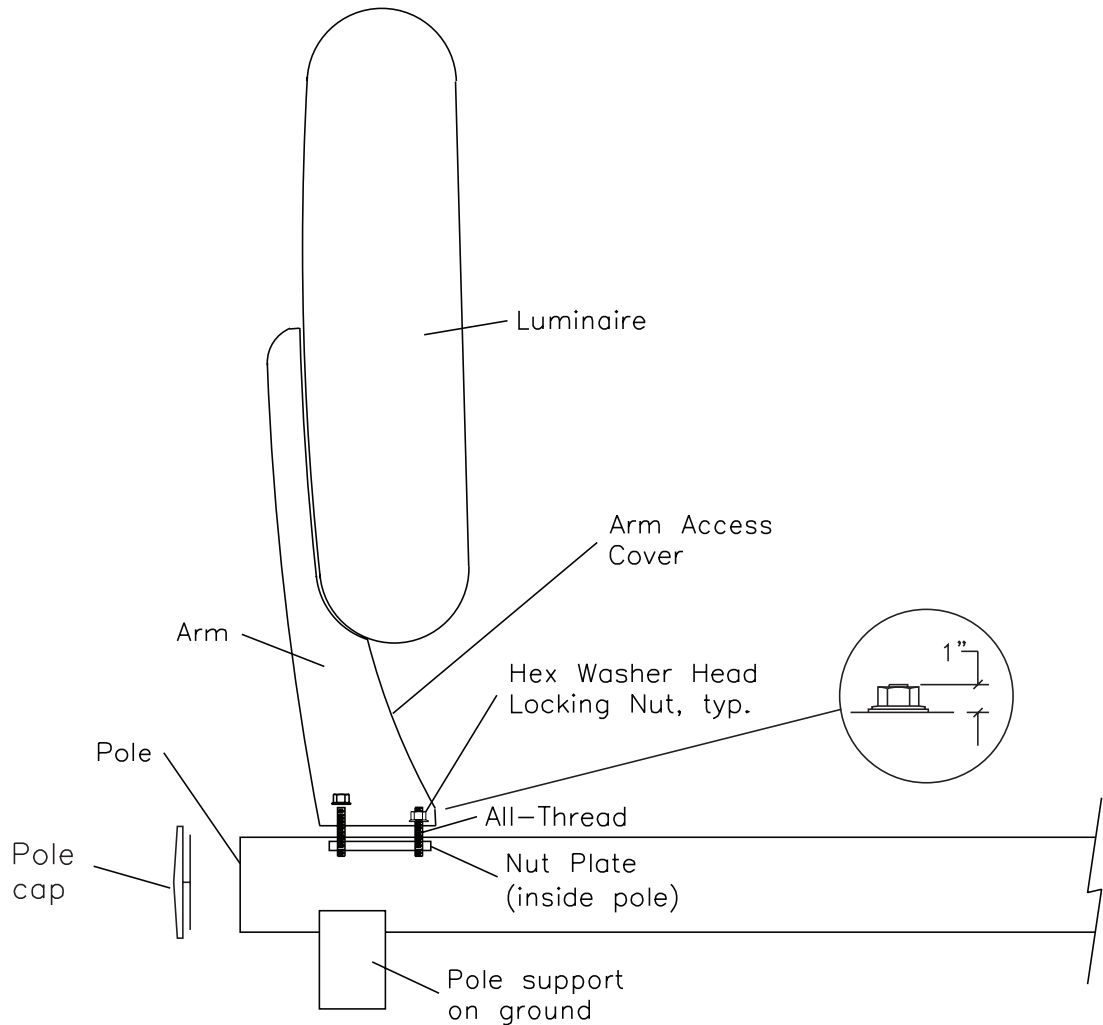


XSB Series, cont'd.

ALL UNITS, cont’d.

- 5. Lay luminaire on ground with lens facing UP.
- 6. Remove arm cover by loosening (1) thumb screw. Place cover aside. DO NOT REMOVE ARM!
- 7. Lay pole on raised surface, near luminaire. Protect pole finish with soft cloth.
- 8. Install nut plate into pole end, so the large center hole is closest to pole end. Thread both all-thread rods into nutplate. See below.
- 9. Lower luminaire/arm assembly onto all-thread.
- 10. Secure luminaire to pole using Hex Washer Head Locking Nuts. Tighten top nut first. Tighten both nuts to 35 FT-LBS each.

**INSTALLATION SUGGESTION:** Once luminaire is secured to pole, remove Yellow Light Direction Beam label and place on pole baseplate. Keep orientation of label arrow correct. This will ensure the label does not get accidentally left on luminaire after pole is erected and installed.



XSB Series, cont'd.

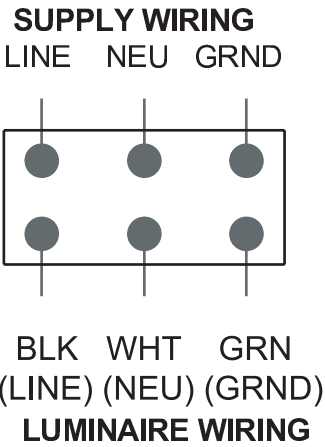
11. Feed supply wiring from pole through center hole on back of arm.

**WARNING:** Wiring to be performed by qualified electrician! Wire per National Electrical Code and local code.

**IMPORTANT:** Reference luminaire label for input voltage!

**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.

12. Connect supply wiring to terminal block inside arm. Follow wiring diagram below.



- 13. Reinstall luminaire arm cover, securing cover using thumb screw.
- 14. If equipped, install photocell cap onto receptacle on top of housing:
  - A. Make sure photocell voltage matches incoming supply voltage.
  - B. Pushing downward with photocell top in your palm, turn clockwise until receptacle assembly stops turning and photocell engages receptacle contacts.
  - C. Pull upwards on photocell, testing it is fully engaged in receptacle.
  - D. Receptacle adjusts 360 degrees. Turn photocell assembly so the NORTH arrow points to true north direction.
- 15. 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.

- 16. 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!
- 17. Set and level anchor bolts using nuts and washers provided.