KIM LIGHTING

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HUBBELL® Lighting

Altitude™ Installation Instructions

⚠ **WARNING: Fixtures must be grounded in accordance with local codes or the National Electrical Code. Failure to do so may result in serious personal injury.**

MAINTENANCE: A regularly scheduled maintenance program should be established to retain optimum light output and reduce heat retention. Dusting with a soft, clean, dry cloth is normally sufficient for the optics.

CAUTION: All wiring must be done by a qualified electrician. KEEP THIS SHEET FOR FUTURE REFERENCE.

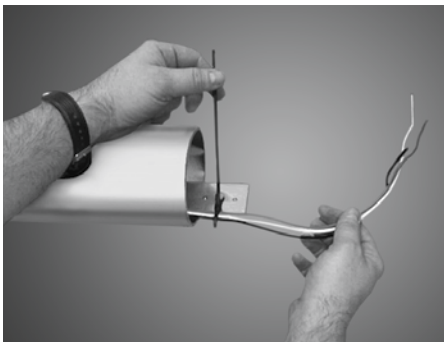
Attention! Fixtures are equipped with multi-voltage electrical devices.
Each fixture is available in two voltage options, 90-305 volts and 347-480 volts.

⚠ Make certain electrical supply is **OFF** before starting fixture installation.

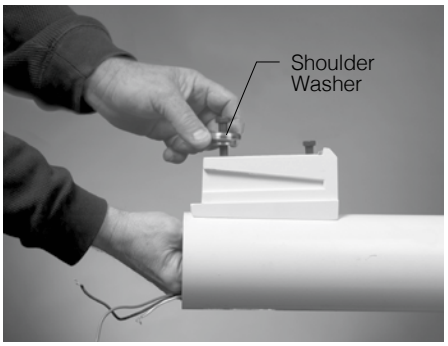
Tools Required:
- ❑ 9/16" Socket & Ratchet
- ❑ Flat Blade Screwdriver
- ❑ T25 Torx® Screwdriver
- ❑ 1/4" Hex Wrench
- ❑ 1/8" Hex Wrench
- ❑ 3/16" Hex Wrench

US Patent Numbers D674,950 S and D674,965 S. Other Patents Pending.

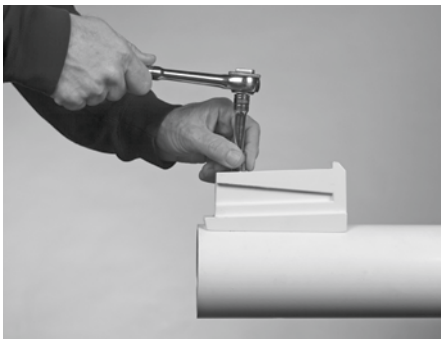
LUMINAIRE POLE MOUNT ASSEMBLY:



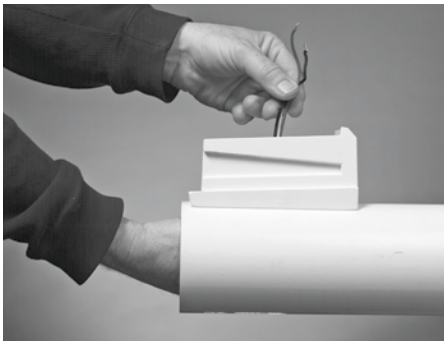
1. Lay pole horizontal on padded supports to protect finish. Pull field wires through pole and out the top. Cable tie wires to pole backing plate. Tie wires in a knot or back loop through cable tie.



2. Slide shoulder washer onto top mounting bolt and secure speed mount to reinforcement plate within pole top with two mounting bolts



3. Be sure Speed Mount is aligned with anchor base and other fixtures for multiple mounts. Tighten to 20 ft.-lbs. using 9⁄16" socket wrench.



4. Pull wiring through the reinforcement plate, strain relief, pole and Speed Mount far enough to allow wiring to reach the terminal block in luminaire. Cable tie wires to pole backing plate. Tie wires in a knot or back loop through cable tie.

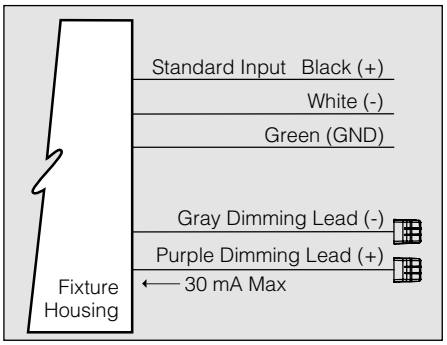
5. The luminaire slides easily on to the Speed Mount.

6. Tighten the embedded top bolt in luminaire arm with ¼" hex wrench to secure luminaire to Speed Mount and pole.

7. Connect wires (voltage to black, white to common, green to ground) directly into the terminal block. Hook top of splice cover into opening in arm and swing into place.

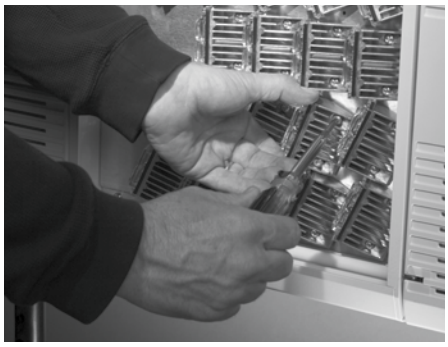
8. Turn speed dial to lock splice cover. The luminaire is ready to be energized.

0-10V Dimming



Driver has a 0-10V dimming interface with dimming range of 10-100%. Is compatible with most control systems including Hubbell Building Automation wiHUBB™. Approved dimmers include Lutron Diva AVTV, Lutron Nova NFTV and NTFTV. Note: Not compatible with current sourcing dimmers. Controls compatible via Gray and Purple dimming lead.

PICOPRISM™ MODULE REPLACEMENT:



1. IP66 rated PicoPrism modules are easily replaceable. Remove screws securing module with T25 TORX® screwdriver.

2. Pull PicoPrism module wires from EmitterDeck carrier plate. Disconnect existing module from wiring and connect new module. Gently push wires back into carrier plate.

3. Secure PicoPrism module with T25 TORX screwdriver. Make sure gasket is seated properly.

ELECTRONIC DRIVER ACCESS:

1. The Driver tray is easily accessible by compressing the tool-less entry latch on gear compartment door.

2. Compress electrical quick- connectors to remove driver from wiring harness.

3. Lift Driver tray from hinge on bottom of luminaire to repair or service the electronic driver.

LUMINAIRE WALL MOUNT ASSEMBLY:

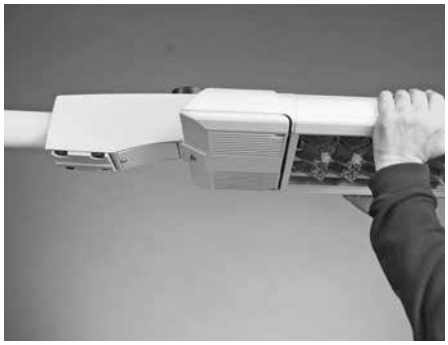
1. For wall mounting, install cast aluminum wall mounting bracket to wall with (4) 5⁄16" bolts supplied by others.

2. Mount Speed Mount to cover plate with 2 bolts. Pull wiring through cover plate and Speed Mount. Cover plate hangs from the top of wall mounting bracket and is secured with (2) 10-32 screws at bottom of cover plate. Secure screws with 1⁄8" hex wrench.

3. Slide luminaire onto Speed Mount and tighten the embedded top bolt with 1⁄4" hex wrench. Connect wires (voltage to black, white to common, green to ground) directly into the terminal block and reinstall the splice cover to finish installation.

Altitude™ Installation Instructions

OPTIONAL SLIP-FITTER MOUNT ASSEMBLY:



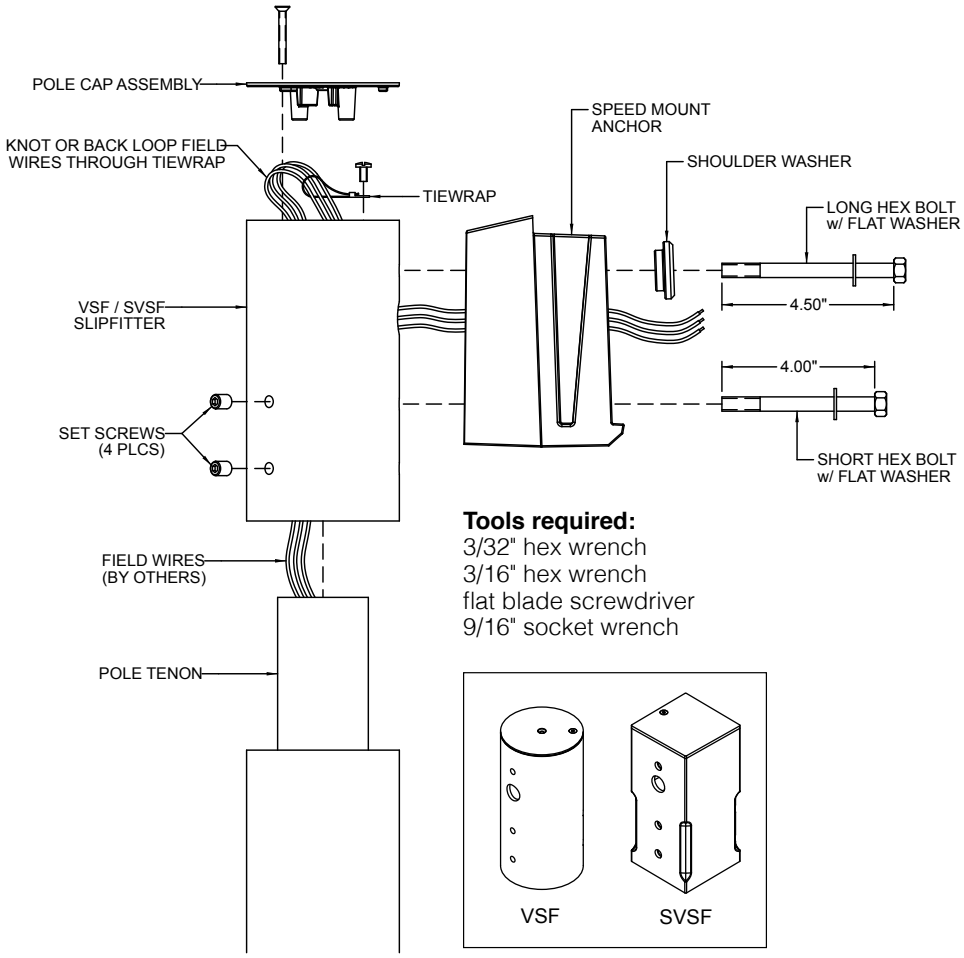
1. Optional horizontal slip-fitter arm is available for mounting to a 1¼" to 2" pipe-size mounting end (1⅝" to 2⅜" OD). The casting has a ±5° adjustment to accommodate davit arms that are not horizontal.

2. Tighten (4) bolts with 9⁄16" socket wrench on the adjustable die-cast plate at bottom of slip-fitter arm to secure the luminaire.

OPTIONAL PHOTOCELL RECEPTACLE:

1. Optional Photocell receptacle, Cat. No. A26, allows a photoelectric module to rotate 359°. Insert a flat screwdriver into the slot on module to release the lever, orientate arrow to face north, and remove screw driver to lock module into place.

VERTICAL SLIPFITTER ASSEMBLY (VSF/SVSF)



Tools required:
3/32" hex wrench
3/16" hex wrench
flat blade screwdriver
9/16" socket wrench

1. Remove pole cap assembly from slipfitter using 3/32" hex wrench.
2. Pull field wires through pole tenon, into slipfitter and through cable tie. Tie field wires into a knot or back loop through cable tie.
3. Carefully slide slipfitter over tenon, making sure wires are not pinched. Be sure mounting holes on slipfitter are aligned with anchor base for desired fixture orientation.
4. Using 3/16" hex wrench, secure slipfitter to tenon with (4) set screws (provided).
5. Secure speed mount anchor to threaded mounting holes on slipfitter with (2) mounting bolts. The shorter bolt must be used on the bottom mounting hole. Tighten to 20ft-lbs using 9/16" socket wrench.
6. Follow "luminaire pole mount assembly" instructions, page 2, for further information on mounting the luminaire to the speed mount anchor and routing field wires to the luminaire terminal block.
7. Secure pole cap assembly to slipfitter.

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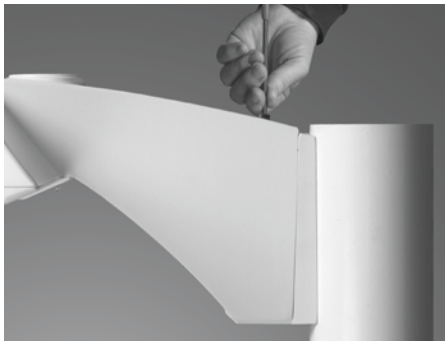
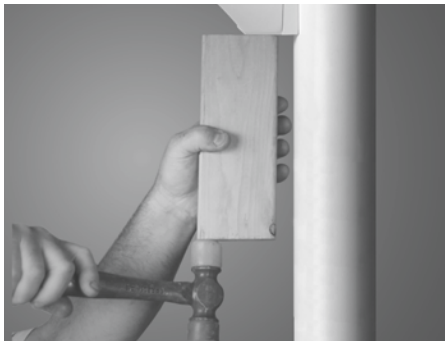
TO REMOVE LUMINAIRE FROM SPEED MOUNT:



1. With ¼" hex wrench, partially loosen embedded top bolt.



2. Place a wood block at base of luminaire arm and use a mallet to loosen fixture from Speed Mount.

STANDARD ALTITUDE LIMITED MANUFACTURER'S WARRANTY

When properly installed and under normal conditions of use, Kim Lighting warrants ALTITUDE™ products ("Product(s)") sold by Kim Lighting to be free from defects in material and workmanship for (i) a period of five (5) years for metal parts, (ii) a period of ten (10) years for exterior housing paint finish(s), (iii) a period of six (6) years for LED Light Engines (PicoPrisms) and, (iv) a period of five (5) years for LED power components (LED Driver, LifeShield® Device, Surge Protector), from the date of sale of such goods to the buyer as specified in Kim Lighting shipment documents for each Product(s). Occupancy sensors, LED drivers, dimmers and relay wiring components are covered by the manufacturer's warranty. The buyer agrees to make all claims regarding defects or deficiencies in the Product(s) according to the terms of Kim Lighting's official warranty. Warranty claims must be made in writing according to Kim Lighting procedures existing at the time of the claim. Valid warranty claims must be made within the warranty period specified herein above, and submitted within thirty (30) days of discovery of the damage or defect. No FIELD labor, repair, DISMANTLE, or installation charges are included with this warranty. Kim Lighting may repair or replace any Product(s) covered by this warranty at its sole discretion and in accordance with its procedure. Any unauthorized return, repair, replacement or modification of the Product(s) shall void this warranty. This warranty applies only to the use of the Product(s) as intended by Kim Lighting and does not cover any misapplication or misuse of said Product(s), or installation in hazardous or corrosive environments. In no event shall Kim Lighting's total liability for any reason arising hereunder exceed the purchase price paid to Kim Lighting for the product purchased by the buyer hereunder. Contact Kim Lighting for complete warranty language, exceptions, and limitations.

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