

Electrical

Walkway Light Pole Standards (26 56 13)

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Part 1 – General

- Section covers walk way lights as described in [University Lighting Master Plan](#)
- Pole to be constructed from fiberglass reinforced plastic (FRP) as a polyester resin and fiberglass woven roving with more than 75% of reinforcing fiberglass in the axial vertical plane.
- The pole shall be engineered and manufactured to have an EPA rating of 3 in winds of 100% MPH with a gust factor of 1.3.
- The pole shall be an anchor base style with a shaft length of 12’.
- The pole shall be a top mount with a 3”OD x 4 5/8” tenon.
- The anchor base will be a 6061-T6 cast aluminum with a (10” – 12”) bolt circle to match transformer base. Four galvanized bolts each with two hex nuts, two flat washers, lock nut and bolt cover to be provided. It shall be round with a classical ENTASIS taper, with a smooth brush acrylic finish.
- The color shall be dark bronze.
- Breakaway base must be constructed from cast aluminum alloy and heat treated to T6 temper conditions and must meet AASHTO requirements.
- Top bolt pattern of base to match pole shaft bolt pattern (10” – 12”).
- Bottom bolt pattern of base to match concrete footing bolt pattern (10” – 12”). Height of base (17”).
- Base to include hinged door of same color (Dark Bronze) height (11.75”) bottom width of door (9.75”) top width of door (9.25”);
- Overall base dimensions Height (17”) bottom width (13.08” sq.) , top width (12.04” sq.)
- Pole base cover must be two-piece units made from elastomeric urethane sized to match pole color (Dark Bronze)

Part 2 – Product

- Fiberglass Pole to be same or equal to:
 - Fiberglass tapered pole model number PLP-A312T-3-S1-HO with 3” OD x 4 5/8” cast iron tenon, High Gloss Hard (Dark Brown) Finish as manufactured by PLP Composite Technologies (or equivalent acceptable).
- Pole base to be same or equal to:
 - United Lighting Standards NO. TB2-17
 - Pole Base Cover to be same or equal to:
 - Whatley Inc. #BC-105