

## DIVISION 26 - ELECTRICAL

### SECTION 26 56 33 – WALKWAY LIGHTING

#### PART 1: GENERAL

##### 1.01 RELATED DOCUMENTS

- A. The conditions of the Contract and applicable requirements of Division 0 and 1 Section 26 00 00, "ELECTICAL" govern this section.

##### 1.02 SCOPE OF STANDARDS

- A. This standard provides useful information to the Architect/Engineer (A/E) to establish a basis of design for Walkway Lighting for new construction and renovation. The responsibility of the professional services provider is to apply the principals of this section such that the University may achieve a level of quality and consistency in design.
- B. The Lighting design shall comply with ASHRAE 90.1 as currently adopted by the State of Texas Energy Code. The design shall meet the recommended illumination level of the current edition of the Texas Energy Code and meet the recommended illumination levels of the current edition of the Illuminating Engineering Society of North America (IESNA) Lighting Handbook or as required to meet the University's security needs, whichever is higher.
- C. The Owner is not responsible for the omission or absence of any detail, construction feature required in the production of the fixtures.

##### 1.03 GENERAL REQUIREMENTS

- A. All exterior walkways, stairs and ramps shall be designed to comply with the cited standards noted above. Care shall be taken to provide adequate lighting at all exterior hazards such as: steps and similar changes of grade, stair (including landings), and ramps (including landings).
- B. Light Controls: Refer to 26 50 00, PART 2, D.
- C. Exterior and site lighting as shown on the site plan. List distance between poles, fixtures and other site lighting devices.

##### 1.04 SUBMITTALS

- A. Shop Drawing Submittals shall include dimensioned drawings and performance data including coefficient of utilization, candela distribution, spacing and mounting height ratio, efficiency and visual comfort probability.

**PART 2: PRODUCTS****2.01 PEDESTRIAN WALK, PLAZA LIGHT STANDARD**

- A. Luminaries – Basis of design 70 Watt LED; Architectural Area Lighting (AAL), PROV T5 32LED-5K-700 BLK, Medium Head - or approved equal.
- B. Banner Arms - Architectural Area Lighting (AAL) BBD4-24-DB8.
- C. Walkway Poles – Architectural Area Lighting (AAL) DB84R12-226-BL -ABT, straight aluminum pole with a height of 12 feet. Finish shall be black thermally cured TGIC polyester powder coat. NO Exceptions to this criterion.
- D. Provide all poles with base covers, mounting arms, anchor bolts and miscellaneous accessories as required for a complete installation.
- E. Walkway poles located in sidewalks shall be flush with the finished grade of the sidewalk.
- F. Multiple head configurations of the above walkway light may be used, if required.

**PART 3: EXECUTION (NOT USED)**

END OF SECTION 26 56 33