

SECTION 26 56 00 – EXTERIOR LIGHTING

Exterior lighting shall be Philips Gardco “Form 10” series (model MP17L) 17” diameter post top yoke mount cutoff type luminaire with spherical globe, LED light source in neutral white color (4,000K) and white finish. Generally speaking, a Type 3 distribution is suitable for lighting sidewalks but in all cases, the lighting distribution shall be selected based on the application. The fixture shall be mounted on a 12’ tall straight aluminum gray painted pole with hinged base. All hardware shall be stainless steel.

Lighting fixtures for general parking lots and large area lighting shall be cutoff type lighting fixtures to minimize glare and avoid light trespass. Energy efficiency and safety shall be top priorities. LED technology or other energy efficient technologies shall be used as appropriate for the application and as budget allows. The light source shall provide good color rendering to maximize visibility, both in-person and through the use of the on-campus security camera system. The fixture and pole shall have a dark bronze finish unless approved otherwise. All hardware shall be stainless steel.

Primary exterior walkways shall be illuminated to an average level of 2.5 footcandles with a max to min uniformity ratio of not more than 5:1. Parking areas and secondary walkways shall be lit to an average level of 1.25 footcandles with a max to min uniformity ratio of not more than 10:1. Better uniformities are desirable where practical. No point on the area intended to be illuminated shall be lit to less than 0.5 footcandles. Point by point lighting calculations shall be provided by the design professional for review prior to finalizing the project design. For LED lighting calculations, a Light Loss Factor of 0.90 shall be used.

A summary of pedestrian scale light pole specifications follows.

New Light Poles

- Fixture:**..... Philips MP17L-XXX-YYY-NW-G2-P12-Z-UNV-WH
Note: Fields above denoted XXX (Number of LEDs), YYY (Drive Current), and Z (Distribution) shall be specified as appropriate to the application
- Pole:** Lyte Poles 605-4012-12-AB-GR
- Adders:** VD Vibration Damper
 GFI/IUC GFI Receptacle with in-use cover
 BA-GR 1 set of Spilable 24” Banner Arms
- Bolts:** Galvanized steel anchor bolts
- Hinged Bases:**..... Provide with stanless steel hardware

Replacement for Existing and Remaining 5” Light Poles

- Fixture:**..... Philips MP17L-XXX-YYY-NW-G2-T14-Z-277-WH
Note: Fields above denoted XXX (Number of LEDs), YYY (Drive Current), and Z (Distribution) shall be specified as appropriate to the application
- Pole:** Lyte Poles PTR-5RD-T2-GR
- Adders:** VD Vibration Damper
 GFI/IUC GFI Receptacle with in-use cover
 BA-GR 1 set of Spilable 24” Banner Arms
- Bolts:** Galvanized steel anchor bolts
- Hinged Bases:**..... Provide with stainless steel hardware

Note: In existing pole locations the existing 5" diameter pole may be reused if it is deemed to be in acceptable condition. Where 5" diameter poles are reused, a tenon adapter will be required to allow the fixture to mount to the pole.

END OF SECTION 26 56 00

TEMPLATE