

Special Specification 6145

Decorative Ground Mounted Lighting



1. DESCRIPTION

Furnish and install Decorative Ground Mounted Lighting illumination assemblies as shown on plans.

The term "Decorative Ground Mounted Lighting" means the complete assemblage of fixtures, equipment and miscellaneous components, installed as shown on the plans and in accordance with these specifications, forming a complete and independent lighting assembly, including concrete pads and forming.

2. MATERIALS

Provide new materials that comply with the details shown on the plans, the requirements of this Item, and the pertinent requirements of the following Items:

- Item 616, "Performance Testing of Lighting Systems,"
- Item 618, "Conduit," and
- Item 620, "Electrical Conductors".

Furnish 6 sets of submittals to the Engineer at the project address. Do not purchase materials or begin work before these submittals are approved.

Provide fixture with a tilt and swivel knuckle mounting base that can be locked securely in one position. Floodlight fixtures shall be as shown on plans. Lighting fixtures shall meet the following requirements:

- Die cast aluminum housing with gray powder coat finish,
- High impact UV stabilized acrylic outer lens,
- Dimensions: 4.5" x 7.49" x 4.03" Nominal (main luminaire body),
- Electrical Characteristics: 240 Volt, 25 Watt, 10 LEDs,
- Drive Current: 700 mA,
- Color Temperature: 4000K, 70 CRI,
- Driver IP66 and RoHS Compliant,
- Listed to UL1598 for use in wet locations,
- Photometry: Rectangular Medium, NEMA 5 x 4, H x V Field angle 85 x 68°, and
- Lumens: 1770 in accordance with IESNA LM-79-08.

Ensure the outside coatings are uniform in appearance and free of scratches. Repair coating in accordance with manufacturer's recommendations and to the satisfaction of the Engineer.

Ensure the submittal contains sufficient information to verify compliance with specifications.

3. CONSTRUCTION

Perform work in accordance with the details shown on the plans and the requirements of this Item.

Prevent scarring or marring of the fixtures. Replace damaged components.

Install each illumination assembly in place as shown on the plans and according to manufacturer's instructions. The Department may shift an assembly's location, if necessary, to secure a more desirable location.

4. MEASUREMENT

This Item is measured as each Decorative Ground Mounted Lighting illumination assembly installed complete in place.

5. PAYMENT

The work performed and materials furnished in accordance with this Item and measured as provided under "Measurement", is paid for at the unit price bid for "Decorative Ground Mount Light" of the types specified (downlight, left downlight or right downlight).

This price is full compensation for furnishing, installing, and testing illumination assemblies; waterproof junction boxes, liquid-tight flexible metal conduit, lamps, ballasts, drivers, mounting plates, adapters, and connections; system performance testing; and for furnishing labor, tools, equipment and any incidentals.

New conduit will be paid for under Item 618, "Conduit." New electrical conductors will be paid for under Item 620, "Electrical Conductors." New ground boxes will be paid for under Item 624, "Ground Boxes." New electrical services will be paid for under Item 628, "Electrical Services."