

ITEM 670.5145 25 – SURFACE MOUNTED VANDAL RESISTANT LIGHTING FIXTURES

DESCRIPTION

This work includes furnishing all labor, materials and equipment and installing surface mounted light fixtures as specified herein or as shown on the drawings.

MATERIALS

Housing – The luminaire housing is to be constructed of 1/16” thick cold rolled steel.

Reflector – Full size formed reflector with white polyester enamel finish. Minimum 85% reflectivity. Removable for servicing.

Lens – Shall be wraparound style, full size 3/16” thick polycarbonate prismatic type. Prisms shall be on the inner surface of the lens.

Ballast – Shall be high power factor, thermally protected type.

Finish of housing shall be white polyester enamel, rustproof as per 1000 hour ASTM 5% salt spray test.

CONSTRUCTION DETAILS

Attach to underside of structure as indicated on the drawings with 3/8” diameter bolts through pre-drilled holes in housing, as per manufacturers recommendations.

Make proper wire connections to the fixture and Contractor shall submit to the Engineer certified photometric test data from an independent testing laboratory, giving the following information.

- Isofootcandle lines of horizontal illumination.
- Coefficient of utilization curve
- Maximum plane cone plots of Candela

The Contractor shall submit to the Engineer all shop drawings pertaining to the construction and installation of the lighting fixture.

METHOD OF MEASUREMENT

The surface mounted fixture will be measured by the number of units furnished and installed.

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BASIS OF PAYMENT

The unit price bid for each fixture shall include furnishing all labor, materials and equipment completely installed as specified herein and as shown on contract drawings.