

# Mantalum

### Technical Specifications

#### Housing

Its design encompasses middle fitter that features a thermal dissipating lighting chamber as well as the electrical chamber. Both chambers are part of one unitized body.

This sub component shall be made of ASTM 356.2 virgin aluminum, cast in a permanent mold by a gravity process.

#### Optical Assembly

The optical system encompass a lower specular hyperbolic aluminum reflector, acting as a collector reflector and an upper shroud that works as a distributing reflector.

This reflector system is designed to achieve visual comfort, glare free light diffusion and a sharp cut-off type III asymmetrical distribution.

The optical system encompasses a complex array of several reflectors in a multi segmented construction, made of reflective cast aluminum construction.

#### Electrical Assembly

Shall be a high power factor ballast, designed to operate an optional, vertically positioned 175 watt or 150 High Intensity Discharge lamp (by others), unitized and integrally mounted to a cast aluminum tray by means of rust proof brackets and fasteners.

#### Enclosure

Shall be a tempered glass lens, installed to a cast aluminum lens holder firmly attached to the housing's door frame, sealed and gasketed to allow a weather proof operation.

All electrical components and luminaire are UL and ETL listed, suitable for wet location.

