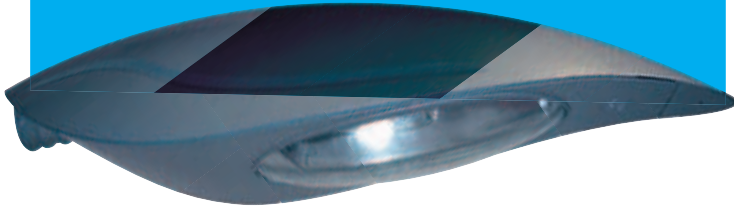# STELA

Application

The Stela luminaire has been developed to provide both aesthetic and high efficiency road lighting. Comprising a high efficiency and durable optical assembly, a new housing has been designed to provide a modern and functional appearance to the road and street lighting. The luminaire is suitable for many applications such as roadways, ring roads, streets, industrial areas and housing estates.

Technical specification

Luminaire, ballast and lamp are supplied and checked by GE Consumer and Industrial, ensuring a suitable product quality.

Structure and Material

Housing in two pieces (housing and door), both in die-cast aluminium with a polyester powder paint finish and oven cured paint colour.
Support base suitable for horizontal mounting through 60mm diameter pole.
Latch included into the lower housing allowing an easy luminaire opening.
Stainless steel screws.

Control gear assembly

Placed into the lower housing and isolated from the environment with a protection degree IP44, comprising:
The ballast tray is manufactured in galvanized sheet and mounted onto the lower housing.
Ballast, ignitor and capacitor are mounted on this board, easily removable with electrical disconnection from the lamp with a multi-polar switch.
E40 ceramic lampholder depending on lamp. Multi-position support allowing lamp adjusting in longitudinal and vertical directions for optimal light-distribution. Allowing tubular lamp mountings for high pressure sodium and metal halide lamps up to 400W.

Optics

Optical assembly hermetically sealed providing IP66.
Flat tempered glass sealed to the door through silicone. The lens is mechanical and thermal shock resistant (IK9, with a special shape design for perfect fitting to the reflector and lower housing.
Faceted aluminium reflector in one-piece, finish achieved through anodizing process.
Plastic reflector neck, high-temperature resistant.
The lamp holder is mounted into the reflector neck through a spongy silicone gasket for ensuring its hermeticity. Its assembly shall be safe and free from detachments during relamping and maintenance operations.
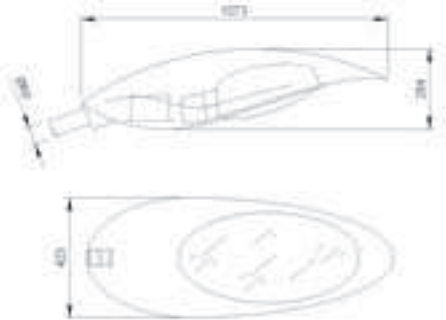
Maintenance

Tool-less access to the ballast by opening the latch placed into the lower housing.
Lamp relamping access by removing the lamp holder manually, releasing the two latches that support the lamp holder to the neck reflector.
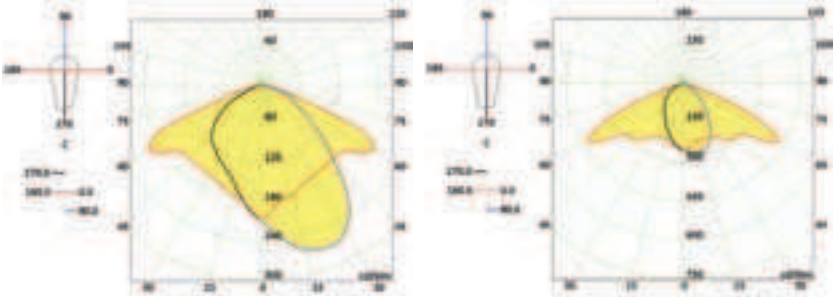
Accessories

Device for mounting to column of 60mm in galvanized steel, with 15° tilt related to the horizontal, protected with epoxy priming and with a powder paint finish and oven cured.
Optional Class II.

Dimensions (mm)

Photometric data

STELA

CEI 34.21 /EN 60598-1, IEC 60 – 230V 50Hz – Class I (Optional Class II)
Optic IP66 – Control gear IP44

Description	Lamp ILCOS code	Pack Qty	Product Code
STELA HPS 250W	ST-250-H-E40-48/260	1	519813
STELA HPS 400W	ST-400-H-E40-48/283	1	519814
STELA HPS 600W	ST-600-H-E40-48/283	1	88075
STELA SAP250 RC	ST-250-H-E40-48/260	1	328013
STELA SAP400 RC	ST-400-H-E40-48/283	1	328014
STELA SAP250 C2	ST-250-H-E40-48/260	1	328017
STELA SAP400 C2	ST-400-H-E40-48/283	1	328018
STELA CMH 250 T U	MT/UB-250-H-E40-48/260	1	519816
STELA CMH 400 T HOR	MT/UB-400-H-E40-60/278	1	519817

RC - Bi-power system