

Odyssey



StreetWise

Product information

The Odyssey luminaire (size 1) is the latest high performing road lighting fitting designed by GE Lighting. Odyssey 1 operates with lamps of up to 150W, and combines modern functional aesthetics and multiple functionalities to improve ease of installation and maintenance – full IP66. Odyssey 1 provides a perfect lighting solution where the lighting level requirements are demanding thanks to the high-efficiency photometric reflector and reliable IP66 optical assembly. Odyssey luminaire, ballast and lamp are supplied and tested by GE, ensuring the best possible product quality.

Application: The luminaire is ideal for efficient lighting of main roads, streets, residential and industrial areas.

Structures and materials

Housing: in two pieces (housing and door), both in die-cast aluminium with a polyester powder paint finish and oven cured (RAL7035).

Support base: adjustable. $\pm 15^\circ$ horizontal and $+15^\circ$ vertical mounting through $\varnothing 48-60$ mm pole, with optional accessory for $\varnothing 34-42$ mm pole.

One unique latch included in the lower housing allowing an easy luminaire opening.

Screws: stainless steel.

Electrical and gear compartment

Ballast support board: high temperature resistant polyamide for magnetic ballast and aluminium for electronic. Ballast, ignitor and capacitor are mounted on this board.

Gear tray: supports HPS ballast and MH from 50W to 150W.

Tubular lamp recommended. For other options, please contact us.

Electrical disconnection from the lamp with a multi-polar switch.

Optics

Glass: curved or flat tempered, sealed to the reflector through silicone.

Lampholder: ceramic E27 or E40. Multi-position support allowing longitudinal lamp adjustment for optimal light distribution.

Reflector: high purity aluminium in one piece, finish achieved through anodizing process.

Two options:

- optimized for HPS lamps
- optimized for CMH StreetWise™ lamps

Reflector neck: polyamide, high-temperature resistant.

Gasket: silicone for the optic. EPDM in the housing.

Breather

Maintenance

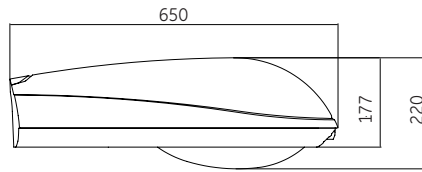
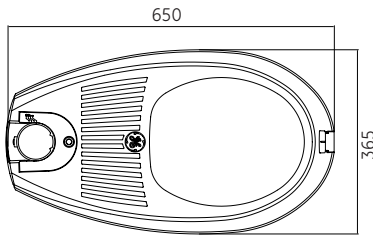
- Automatic electrical disconnection when opening the luminaire
- Tool-less access to the optic block by opening the latch
- Easy and quick lamp replacement by manually removing the lamp holder support from the front of the luminaire
- A "twist and lock" mechanism releases the lamp holder from the reflector neck

Accessories/options

- Class II, IP66 optic and IP44 gear compartment version available on request
- Electronic ballast version up to 150W
- Bi-level magnetic ballast
- Optional Class II magnetic ballast

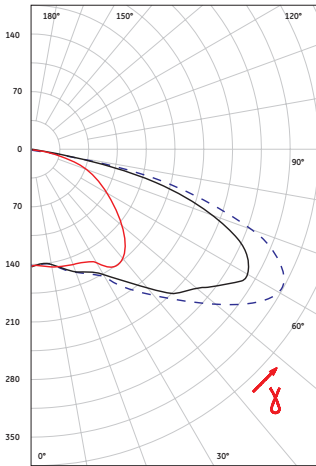


Dimensions [mm]



Photometric data

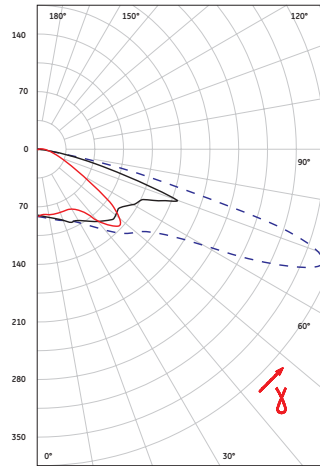
ODYSSEY/CMH 100W
FIXED LAMPHOLDER POSITION



Intensity in the vertical plane, in candela per 1000 lumens

LONGITUDINAL ———
TRANSVERSAL ———
PRINCIPAL - - - - -

ODYSSEY/HPS 70W
FIXED LAMPHOLDER POSITION



Intensity in the vertical plane, in candela per 1000 lumens

LONGITUDINAL ———
TRANSVERSAL ———
PRINCIPAL - - - - -

Specifications

Dimensions [mm]	650x365x220 (length x width x height)
Weight [kg]	8kg without Equipment and 10kg (ballast included)
Pole Mounting [mm]	For poles Ø48-60 mm (optional Ø34-42mm)
Ballast	HPS and MH up to 150W, 50/60Hz, 208-277V
Reflector	Asymmetric
Protection Degree	Full IP66, Optical assemble and gear compartment
Class	I, Class II optional for magnetic
Upper hemisphere flux [%]	0.00
Windage load [m ²]	0.19
Operating Temperature [°C]	25 °C. Contact the factory for higher temperatures
Regulations	CEI 34.21/EN60598

Description	Lamp	Product Code
ODYSSEY HPS 50 LL 230V GE	LU50/85/MO/T/E27	73993
ODYSSEY HPS 70 LL 230V GE	LU 70/90/MO/T/E27	73994
ODYSSEY HPS 100 LL 230V GE	LU100/100/MO/T/40	522528
ODYSSEY HPS 150 LL 230V GE	LU150/100/40	522529
ODYSSEY MH 70 LL 230V GE	CMH70/TT/UVC/830/E27	522530
ODYSSEY MH 100 LL 230V GE	CMH100/TT/UVC/830/E40	522531
ODYSSEY MH 150 LL 230V GE	CMH150/TT/UVC/830/E40	522532
ODYSSEY MH 150 E40 LL 230V GE	CMH150/TT/UVC/830/E40	522534
ODYSSEY HPS 70 LL 230V CL2 GE	LU 70/90/MO/T/E27 1/25	73995
ODYSSEY HPS 100 LL 230V CL2 GE	LU100/100/MO/T/40	73996
ODYSSEY HPS 150 LL 230V CL2 GE	LU150/100/40	73997
ODYSSEY MH 70 LL 230V CL2 GE	CMH70/TT/UVC/830/E27	73998
ODYSSEY MH 100 LL 230V CL2 GE	CMH100/TT/UVC/830/E40	73999
ODYSSEY MH 150 LL 230V CL2 GE	CMH150/TT/UVC/830/E40	74000
ODYSSEY MH 150 E40 LL 230V CL2 GE	CMH150/TT/UVC/830/E40	74001

Family	Enclosure	Optics	Magnetic Ballast	Electronic Ballast
Odyssey	Flat glass	HPS	50W, 70W, 100W, 150W	70W, 100W, 150W
		StreetWise	50W, 70W, 100W, 150W	70W, 100W, 150W
	Tempered curved glass	HPS	50W, 70W, 100W, 150W	70W, 100W, 150W
		StreetWise	50W, 70W, 100W, 150W	70W, 100W, 150W