

Odyssey LED

PRELIMINARY
DATA SHEET



Gray RAL 7035 IP66 IK08/09 10.5-12KG CLASS II CLASS I CE

Product information

The Odyssey LED luminaire is a controllable road lighting fitting that shares the same optics and high efficiency LED chips with OKAPI LED fixture. Odyssey is available with four different system consumptions 20, 30 and 44W. It is ideal for efficient lighting of street and roadway applications, walkways, parks & gardens up to 15m high. The advanced LED optical system used in this fixture has improved horizontal and vertical uniformity, reduced glare and improved lighting controls. The reliable system offers more than 12 years of service life to reduce maintenance frequency and expense, based on a 50,000 hours life and 12 hours of operation per day.

Structures and materials

Housing: in two pieces (upper and lower housings), both in die-cast aluminum with a polyester powder paint finish and oven cured (RAL7035).

Support base: adjustable. $\pm 15^\circ$ vertical mounting through $\varnothing 48-60$ mm pole, post top mounting option is available for $\varnothing 48$ to 60 and 76mm pole.

Tool-less entry via latch.

Screws: stainless steel.

Standard color: Gray RAL 7035. Other RAL colors available on request.

Electrical and gear compartment

Placed into the lower housing and isolated from the environment with a protection degree IP66 comprising:

Driver support board: the driver is mounted onto a aluminum gear tray. It is easily removable.

Optics

Optical assembly hermetically sealed providing IP66, comprising:

Glass: curved (IK09) or flat tempered glass (IK 08) fixed with a gasket.

Reflector: 5 different reflectors available. Structured LED array for optimized photometric distribution. Utilized high brightness LEDs, 70 CRI at 4000 K & 5700 K typical.

Maintenance

System rating: Reported L70 (9K) > 50.000 hours at 25°C, Projected L70 (9K) > 150.000 hours at 25°C.

Luminaire ambient temperature range: -30°C to +35°C with non-energized storage temperature of 85°C.

Installation

Available in European Electrical classes I and II.

Mounting options

- Post top mounting: pole diameter 48-60 and 76mm
- Side mounting: pole diameter 48-60mm



Side mounting



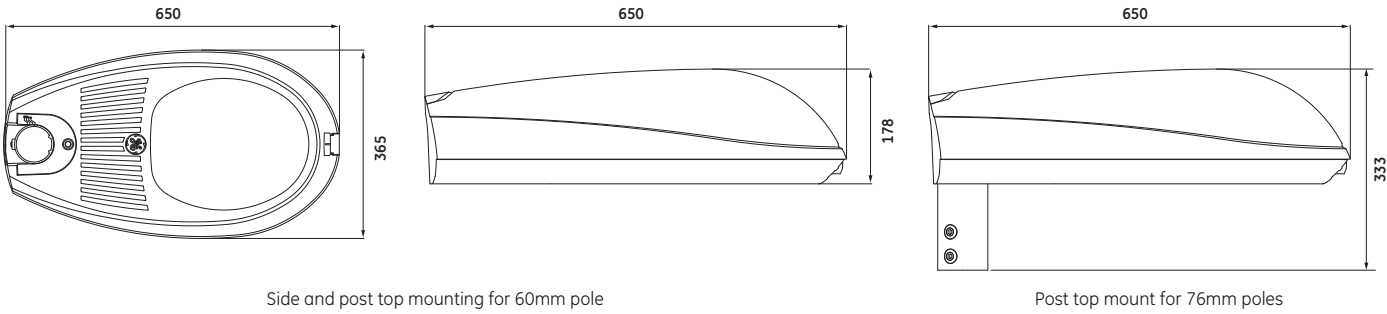
Post top
mounting



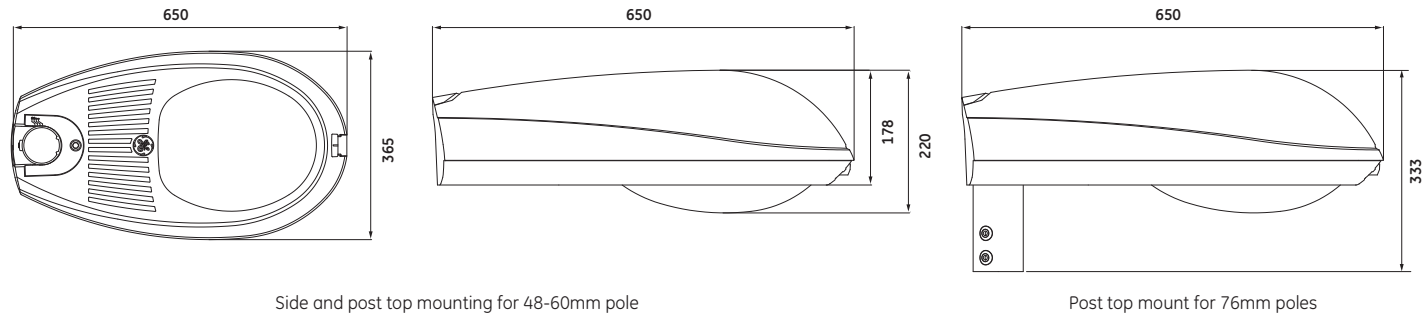
GE imagination at work

Dimensions [mm]

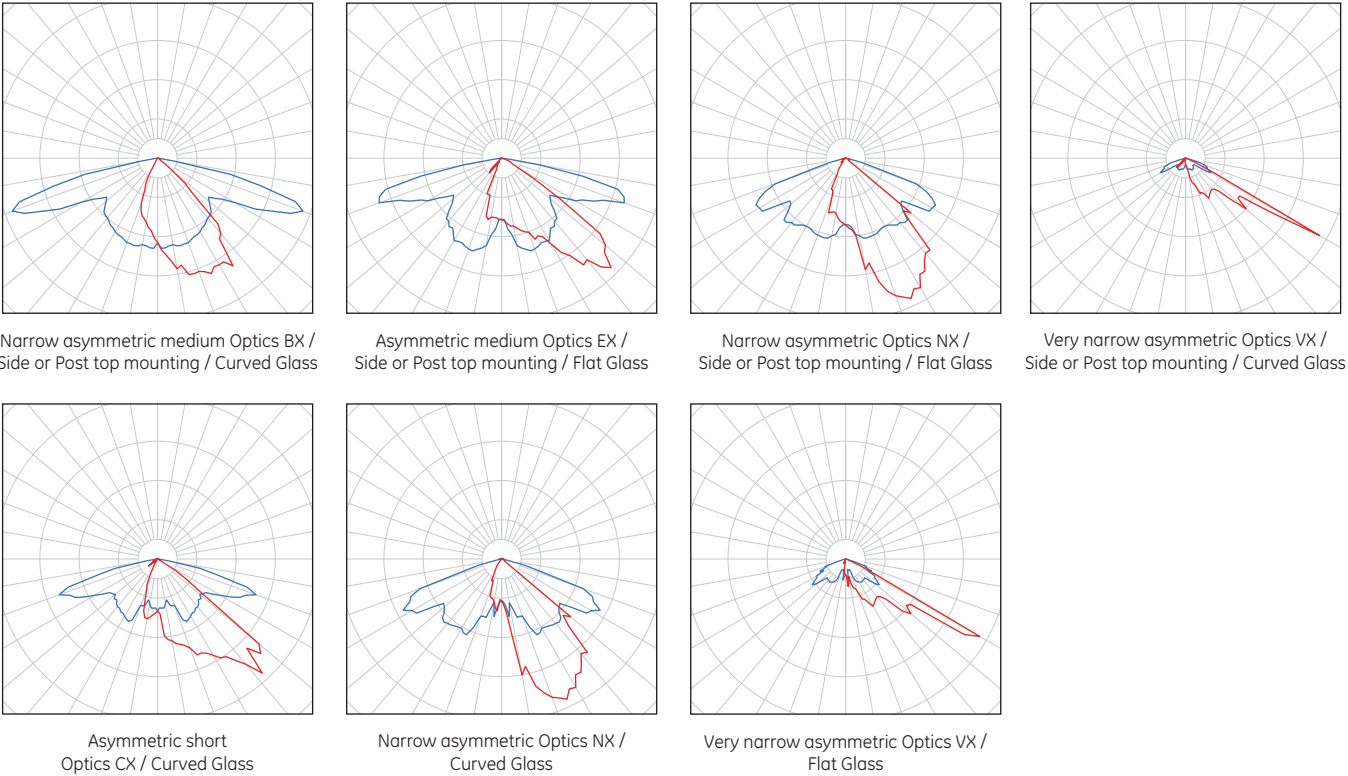
Flat glass



Curved glass



Photometric data



Additional photometric files available on website.

Specifications

Weight [kg]	12 with post top coupler, 10.5 without coupler. Driver included.
Side Surface [m²]	0.17
Driver	Electronic, dimmable (DALI or StepDim) Controllable driver with power reduction and astronomical clock availability (only with DALI driver) 50/60Hz 44W/220-240 max. 20, 30, 44W
Surge Protection	4kV/2kA default protection
Reflector	Five different reflectors available
Ambient Operating Temperature [°C]	-30 to +35
Regulations	Directive 2004/108/EC, 2006/95/EC, 2011/65/EC

Product range overview

Glass	Optics	Power [W]	Color Temperature [K]	Control	Electrical Class	Mounting
FG – Flat Glass	BX CX EX	20 30 44	40-4000K	DA – DALI	I.	PT76 – post top (76mm) with additional coupler
CG – Curved Glass	NX VX		57-5700K	SD – Step Dimming	II.	Standard coupler: post top and side mounting (48-60mm)