

Odyssey LED

DATA SHEET



Gray RAL 7035 IP66* IP66 IK08 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 six different system consumptions 20, 30, 44 and 55 Watts. 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 11 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).

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 gear tray: replaceable without using tools.

Optics

Optical assembly hermetically sealed providing IP66*, comprising:

Glass: curved or flat tempered glass fixed with a gasket.

Reflector: 5 different reflectors available. Structured LED array for optimized photometric distribution. Utilized high brightness LEDs, 70 CRI at 3000K, 4000K, 5000K and 5700K typical.

* In case of GE driver

Maintenance

System rating: Reported L85 (9K) >50,000 hours at 25°C, projected L70 (9K) >150,000 hours at 25°C.

Luminaire ambient temperature range can even be: -40°C to +35°C with a maximum non-energized storage temperature of 85°C.

Installation

Available in European Electrical classes I and II.

Mounting options

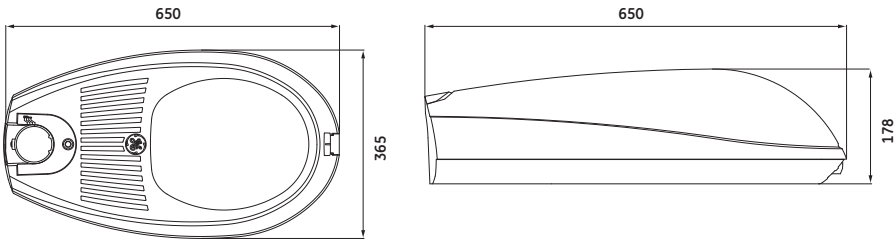
- Post top mounting: pole diameter 42-76mm
- Side mounting: pole diameter 48-60mm
- adjustable coupler with $\pm 15^\circ$ steps



GE imagination at work

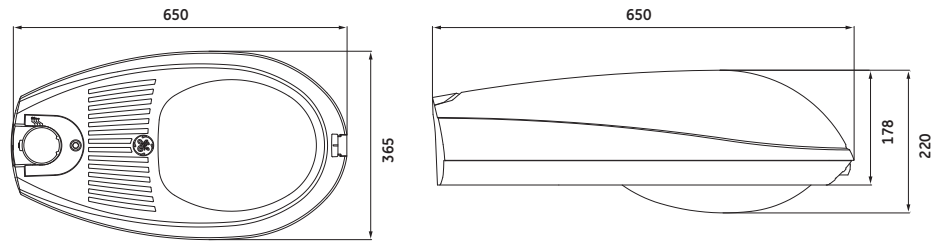
Dimensions [mm]

Flat glass



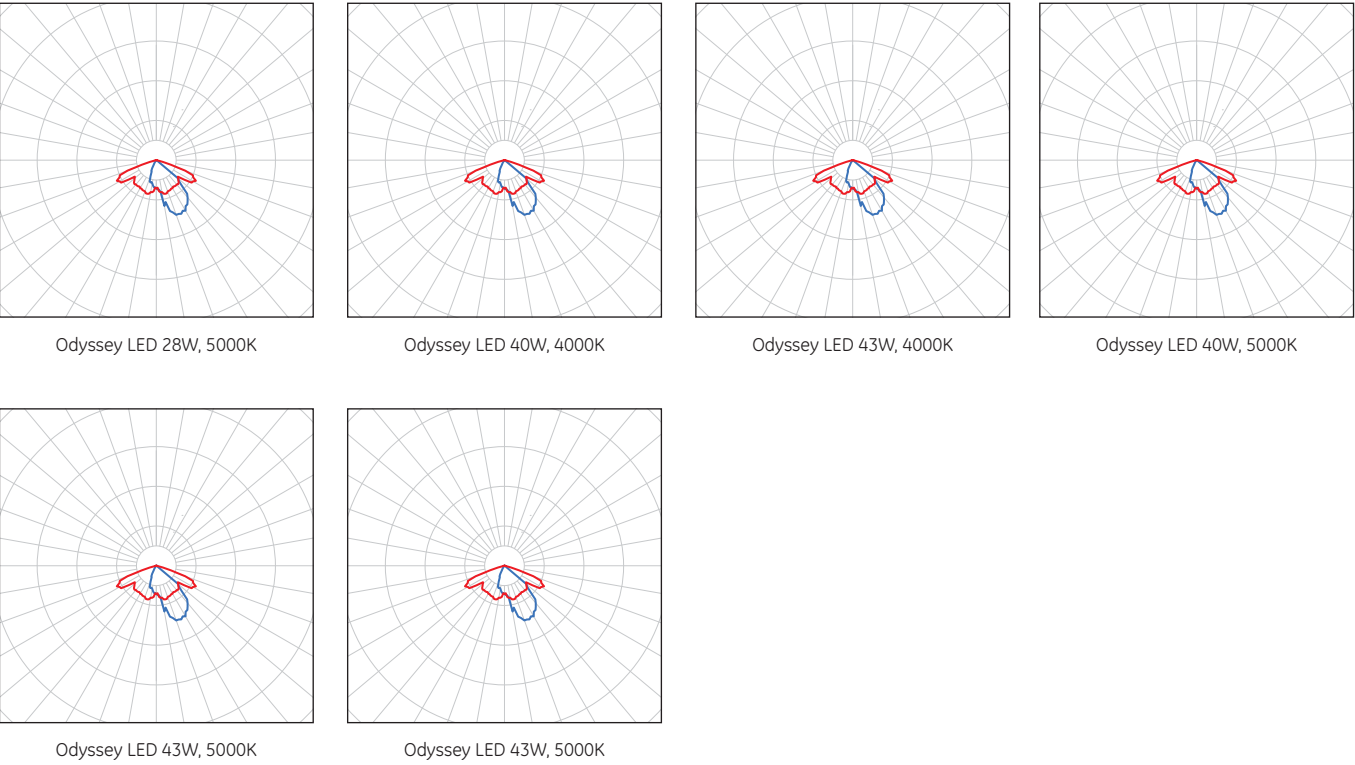
Side and post top mounting for 60mm pole

Curved glass



Side and post top mounting for 48-60mm pole

Photometric data



Additional photometric files available on website.

Specifications

Weight [kg]	10.5, driver included.
Side Surface [m²]	0.17
Driver	Electronic, dimmable (0-10 volt or DALI with Step Dim and Astronomic clock function.) 220-240 Volts, 50/60 Hz 20, 30, 44 and 55 Watts
Input Frequency [Hz]	50/60
Surge Protection	2 kV standard surge protection 2-6 kV extra surge protection
Reflector	Five different reflectors available
Ambient Operating Temperature [°C]	-30 to +35 DALI driver -40 to +35 0-10V driver
Regulations	Directive 2004/108/EC, 2006/95/EC, 2011/65/EC

Product range overview

DALI control LED driver – Osram Driver

Odyssey LED	Gen.	Front glass	Optics	Power [W]	CCT [K]	Control	Accessories	IEC protection classes	Precabing	Mounting	Color
OD L	0 1	F - Flat glass C - Curved glass**	B - BX C - CX E - EX N - NX V - VX**	20 21 30 31 43 44 55 56	30-3000K 40-4000K 50-5000K 57-5700K	N - No control D - Dali* S - Step Dimming*	ST - Standard type M3 - Minicell 35lux* M5 - Minicell 55lux* M7 - Minicell 70lux* NS - SELC NEMA Socket* S6 - S6000 Mayflower Socket SP - 6kV surge voltage protection	C1 C2*	N - Without precabing P - Pre cabeling	P76 - Post top, 76mm P60 - Post top, 48-60mm S60 - Side mounted, 48-60mm P50 - Post top, 42-50mm S50 - Side mounted, 42-50mm	R7035 XXXXX***

*MINICELL and NEMA socket are not available together with DALI, StepDIM and Analogue 0-10V dimming control and only available in Class 1 version

** Curved glass is not available together with VX reflector

***R7035 is a standard color, for other color please use 5 caracters

AutoBOM contain all combonations which is not valid.

0 - CREE XP-G LED

1 - Nichia 219B LED

Example: OD L/1/F/N/44/57/D/SP/C1/P/P76/R7035

0-10V control LED driver – GE outdoor Driver

Odyssey LED	Gen.	Front glass	Optics	Power [W]	CCT [K]	Control	Accessories	IEC protection classes	Precabing	Mounting	Color
OD L	0 1	F - Flat glass C - Curved glass**	B - BX C - CX E - EX N - NX V - VX**	31 32 40 44 56 57	30-3000K 40-4000K 50-5000K 57-5700K	N - No control A - 1-10V	ST - Standard type M3 - Minicell 35lux* M5 - Minicell 55lux* M7 - Minicell 70lux* NS - SELC NEMA Socket* S6 - S6000 Mayflower Socket	C1	N - Without precabing P - Pre cabeling	P76 - Post top, 76mm P60 - Post top, 48-60mm S60 - Side mounted, 48-60mm P50 - Post top, 42-50mm S50 - Side mounted, 42-50mm	R7035 XXXXX***

*MINICELL and NEMA socket are not available together with DALI, StepDIM and Analogue 0-10V dimming control and only available in Class 1 version

** Curved glass is not available together with VX reflector

***R7035 is a standard color, for other color please use 5 caracters

AutoBOM contain all combonations which is not valid.

0 - CREE XP-G LED

1 - Nichia 219B LED

Example: OD L/1/F/C/55/30/A/M3/C1/N/P76/R7035

0-10V and DALI control LED driver – GE Indoor Driver

Odyssey LED	Gen.	Front glass	Optics	Power [W]	CCT [K]	Control	Accessories	IEC protection classes	Precabing	Mounting	Color
OD L	0 1	F - Flat glass C - Curved glass**	B - BX C - CX E - EX N - NX V - VX**	28 43 56	30-3000K 40-4000K 50-5000K 57-5700K	N - No control A - 1-10V D - Dali*	ST - Standard type M3 - Minicell 35lux* M5 - Minicell 55lux* M7 - Minicell 70lux* NS - SELC NEMA Socket* S6 - S6000 Mayflower Socket SP - 6kV surge voltage protection	C1	N - Without precabing P - Pre cabeling	P76 - Post top, 76mm P60 - Post top, 48-60mm S60 - Side mounted, 48-60mm P50 - Post top, 42-50mm S50 - Side mounted, 42-50mm	R7035 XXXXX***

*MINICELL and NEMA socket are not available together with DALI, StepDIM and Analogue 0-10V dimming control and only available in Class 1 version

** Curved glass is not available together with VX reflector

***R7035 is a standard color, for other color please use 5 caracters

AutoBOM contain all combonations which is not valid.

0 - CREE XP-G LED

1 - Nichia 219B LED

Example: OD L/1/F/C/55/30/A/M3/C1/N/P76/R7035

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