

# Odyssey LED



## 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 different system consumptions from 21 to 72 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 aluminium 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 colours 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 (IK09) or flat tempered (IK08) glass fixed with gasket.

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

## 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: -20°C to +35°C (-40°C is available on request). Maximum non-energized storage temperature of 85°C.

## Installation

Available in European Electrical Classes I and II.

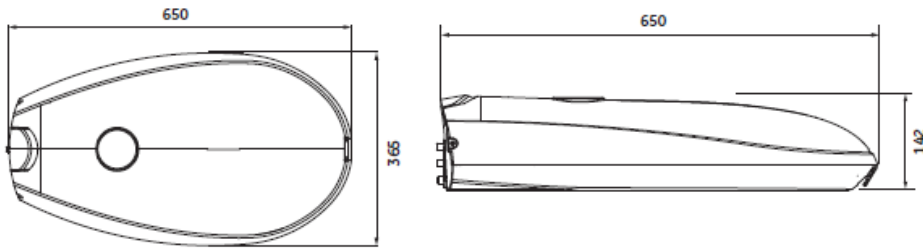
## Mounting options

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



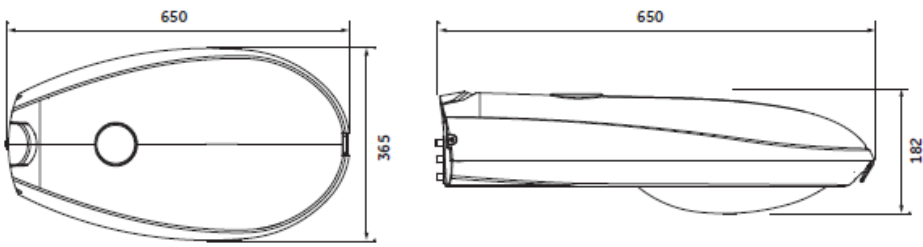
## Dimensions [mm]

### Flat glass



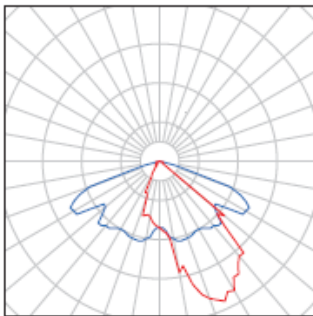
Side and post top mounting for 60mm pole

### Curved glass

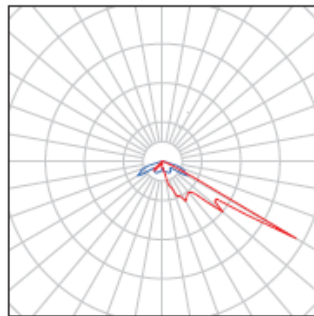


Side and post top mounting for 48-60mm pole

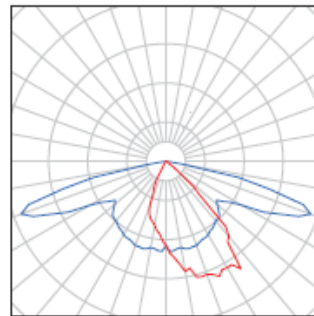
## Photometric data



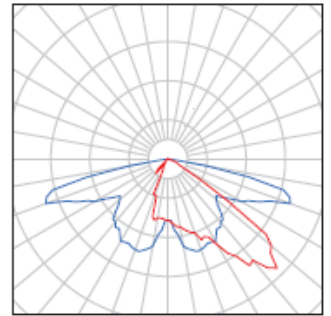
Narrow asymmetric Optics NX / Side or Post top mounting / Flat Glass



Very narrow asymmetric Optics VX / Side or Post top mounting / Curved Glass



Narrow asymmetric medium Optics BX / Side or Post top mounting / Curved Glass



Asymmetric medium Optics EX / Side or Post top mounting / Flat Glass

Additional photometric files available on website.

## Order logic

Odyssey LED	Gen.	Front glass	Optics	Power [W]	CCT [K]	Control	Accessories	IEC protection classes	Pre-cabling	Mounting	Colour
OD L	2	F - Flat glass C - Curved glass**	B - BX C - CX E - EX N - NX V - VX**	21	30-3000 40-4000 50-5000	N - No control D - DALI* S - Step Dimming* A - 1-10V	ST - Standard type	C1 C2*	N - Without pre-cabling P - Pre-cabling	P76 - Post top, 55-76mm P50 - Post top, 42-50mm S50 - Side mounted, 42-50mm S76 - Side mounted, 55-76mm	R7035 XXXXX***
				28			M3 - Minicell 35lux*				
				31			M5 - Minicell 55lux*				
				40			M7 - Minicell 70lux*				
				42			NS - SELC NEMA Socket*				
				43			S6 - S6000 Mayflower Socket				
				55			SP - 6kV surge voltage protection				

\*MINICELL and NEMA socket are not available together with DALI, Step dimming and Analogue 0-10V dimming control and only available in Class 1 version, with IP65.

\*\* Curved glass is not available together with VX reflector.

\*\*\*R7035 is a standard colour, other colours are available on request

## Specifications

Weight [kg]	10, driver included.
Side Surface [m <sup>2</sup> ]	0.17
Driver	Electronic, dimmable (0-10 volt or DALI with Step Dimming and Astronomic clock function.) 220-240 Volts, 50/60 Hz 21, 28, 31, 42, 43, 55, 56 and 72 Watts
Input Frequency [Hz]	50/60
Accessories	2-6 kV extra surge protection Photocell, Micicell 3 light levels are available: 35, 55, 70 Lux. NEMA Socket: 3 pin Mayflower control system with NEMA Socket.
Reflector	Five different reflectors available
Ambient Operating Temperature [°C]	-20 to +35. -40 is also available on request.
Regulations	Directive 2004/108/EC, 2006/95/EC, 2011/65/EC, ENEC

## Lumen table

System Watt	Control type	Glass	Optics	CCT	System Lumen	System LPW	IES file Number
40	0-10v / DALI	CURVED	NX	5000	4180	105	ODL2CN4051
40	0-10v / DALI	CURVED	NX	4000	4100	103	ODL2CN4041
40	0-10v / DALI	CURVED	CX	5000	4060	102	ODL2CC4051
72	DALI	CURVED	BX	5000	7170	100	ODL2CB7254
42	DALI	CURVED	NX	5000	4180	100	ODL2CN4254
40	0-10v / DALI	FLAT	NX	5000	3980	100	ODL2FN4051
40	0-10v / DALI	CURVED	CX	4000	3980	100	ODL2CC4041
40	0-10v / DALI	CURVED	EX	5000	3970	99	ODL2CE4051
72	DALI	CURVED	CX	5000	7100	99	ODL2CC7254
42	DALI	CURVED	BX	5000	4100	98	ODL2CB4254
42	DALI	CURVED	NX	4000	4100	98	ODL2CN4244
40	0-10v / DALI	FLAT	BX	5000	3900	98	ODL2FB4051
28	0-10v / DALI	CURVED	BX	5000	2730	98	ODL2CB2851
40	0-10v / DALI	CURVED	EX	4000	3890	97	ODL2CE4041
43	DALI/Step/Astro	CURVED	NX	5000	4180	97	ODL2CN4353
40	0-10v / DALI	FLAT	BX	4000	3830	96	ODL2FB4041
28	0-10v / DALI	CURVED	BX	4000	2680	96	ODL2CB2841
42	DALI	CURVED	BX	4000	4020	96	ODL2CB4244
43	DALI/Step/Astro	CURVED	NX	4000	4100	95	ODL2CN4343
42	DALI	CURVED	CX	4000	3980	95	ODL2CC4244
40	0-10v / DALI	FLAT	CX	4000	3790	95	ODL2FC4041
28	0-10v / DALI	CURVED	CX	4000	2650	95	ODL2CC2841
43	DALI/Step/Astro	CURVED	BX	4000	4020	93	ODL2CB4343
54	0-10v / DALI	CURVED	NX	4000	5020	93	ODL2CN5441
40	0-10v / DALI	CURVED	NX	3000	3530	88	ODL2CN4031
40	0-10v / DALI	CURVED	BX	3000	3460	87	ODL2CB4031
40	0-10v / DALI	CURVED	CX	3000	3430	86	ODL2CC4031
40	0-10v / DALI	FLAT	NX	3000	3370	84	ODL2FN4031
40	0-10v / DALI	CURVED	EX	3000	3360	84	ODL2CE4031
40	0-10v / DALI	FLAT	BX	3000	3300	83	ODL2FB4031
28	0-10v / DALI	CURVED	BX	3000	2310	83	ODL2CB2831
42	DALI	CURVED	BX	3000	3460	82	ODL2CB4234
43	DALI/Step/Astro	CURVED	NX	3000	3530	82	ODL2CO4333
43	0-10v	CURVED	NX	3000	3530	82	ODL2CN4332
42	DALI	CURVED	CX	3000	3430	82	ODL2CC4234
40	0-10v / DALI	FLAT	CX	3000	3260	82	ODL2FC4031
28	0-10v / DALI	CURVED	CX	3000	2280	81	ODL2CC2831
43	DALI/Step/Astro	CURVED	BX	3000	3460	80	ODL2CO4333

For additional information please visit our website.