

TECHNICAL DATA

Application	parks, pedestrians
Assembly	on columns, extension arms, aluminium and steel wall brackets, arm systems with spigot ending ø 60 x 60 mm deep and on plastic poles type S and SP with spigot ending type „B”
Colour	black
Ingress protection	IP 66 for the optical part and IP 54 for the driver
Optical system	PMMA optics, interchangeable LED module
Material	body – UV resistant polypropylene with glass fiber, diffuser – frosted PMMA or transparent PMMA
Operating temperature range	from -40°C to +40°C
Expected useful lifetime	L90B10 - 100 000 h
CRI	>70
Input voltage frequency	50/60Hz
Power factor	≥0.95
Number of LED	16
Control system	Luminaire has the possibility to connect to an external control system via DALI interface (optionally via analog signal 1- 10V).

TABLE OF TYPES

Code	Symbol	Diffuser	LED power	Luminaire power consumption	LED forward current	Colour temperature (CCT)	LEDs luminous flux ¹	Luminaire luminous flux ¹	Luminous efficacy ¹	Unit volume	Net weight
2110050/1	OS-11 LED	frosted	38 W	42 W	800 mA	2700 K	4650 lm	3650 lm	87 lm/W	0.1 m³	4.6 kg
2110050/3	OS-11 LED	frosted	38 W	42 W	800 mA	3500 K	4900 lm	3850 lm	92 lm/W	0.1 m³	4.6 kg
2110050/4	OS-11 LED	frosted	38 W	42 W	800 mA	4000 K	6300 lm	4950 lm	118 lm/W	0.1 m³	4.6 kg
2110050/6	OS-11 LED	frosted	38 W	42 W	800 mA	5000 K	6300 lm	4950 lm	118 lm/W	0.1 m³	4.6 kg
2112050/1	OS-11 LED	transparent	38 W	42 W	800 mA	2700 K	4650 lm	3800 lm	90 lm/W	0.1 m³	4.8 kg
2112050/3	OS-11 LED	transparent	38 W	42 W	800 mA	3500 K	4900 lm	4000 lm	95 lm/W	0.1 m³	4.8 kg
2112050/4	OS-11 LED	transparent	38 W	42 W	800 mA	4000 K	6300 lm	5150 lm	123 lm/W	0.1 m³	4.8 kg
2112050/6	OS-11 LED	transparent	38 W	42 W	800 mA	5000 K	6300 lm	5150 lm	123 lm/W	0.1 m³	4.8 kg
2110050/1/A	OS-11 LED	frosted	38 W	42 W	800 mA	2700 K	4650 lm	3500 lm	83 lm/W	0.1 m³	4.6 kg
2110050/3/A	OS-11 LED	frosted	38 W	42 W	800 mA	3500 K	4900 lm	3700 lm	88 lm/W	0.1 m³	4.6 kg
2110050/4/A	OS-11 LED	frosted	38 W	42 W	800 mA	4000 K	6300 lm	4750 lm	113 lm/W	0.1 m³	4.6 kg
2110050/6/A	OS-11 LED	frosted	38 W	42 W	800 mA	5000 K	6300 lm	4750 lm	113 lm/W	0.1 m³	4.6 kg
2112050/1/A	OS-11 LED	transparent	38 W	42 W	800 mA	2700 K	4650 lm	3650 lm	87 lm/W	0.1 m³	4.8 kg
2112050/3/A	OS-11 LED	transparent	38 W	42 W	800 mA	3500 K	4900 lm	3850 lm	92 lm/W	0.1 m³	4.8 kg
2112050/4/A	OS-11 LED	transparent	38 W	42 W	800 mA	4000 K	6300 lm	4950 lm	118 lm/W	0.1 m³	4.8 kg
2112050/6/A	OS-11 LED	transparent	38 W	42 W	800 mA	5000 K	6300 lm	4950 lm	118 lm/W	0.1 m³	4.8 kg

1) tolerance +/- 5% due to LEDs accuracy

DIRECTIVES AND STANDARDS

DIRECTIVES: 2014/35/UE (Official Journal of the UE L 96/357 29.03.2014), 2014/30/UE (Official Journal of the UE L 96/79 29.03.2014), 2011/65/UE, 2009/125/EC

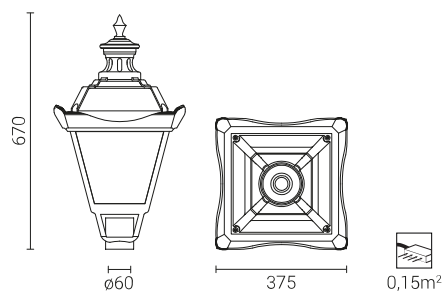
STANDARDS: PN-EN 60598-1: 2015, PN-EN 60598-2-3: 2006, PN-EN 60529: 2003, PN-EN 62262: 2003, PN-EN 62471:2010, PN-EN 55015: 2013, PN-EN 61547: 2009, PN-EN 61000-3-2: 2014, PN-EN 61000-3-3: 2013

CHARGING DISCHARGE FROM THE LED LUMINAIRE HOUSING

In order to efficient discharge the electrostatic charge from the housing of LED fitting installed on the pole from dielectric material (non-conductive) one of the following solutions is required:

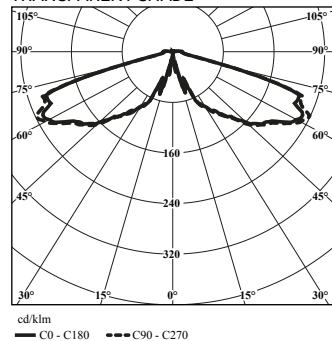
- functional grounding
- LED luminaire with an additional protection device

TECHNICAL DRAWING

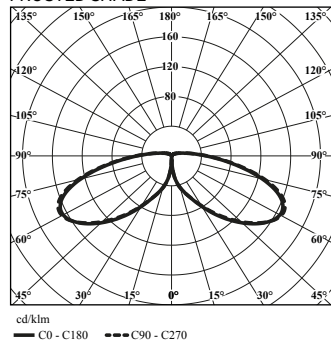


PHOTOMETRIC CURVES

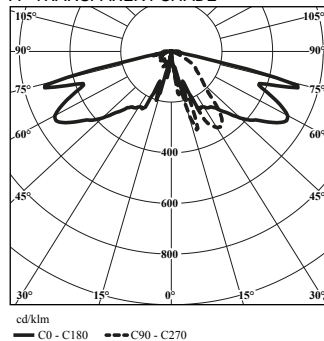
TRANSPARENT SHADE



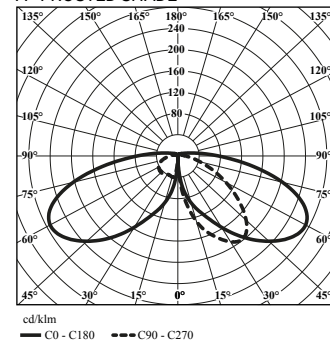
FROSTED SHADE



A - TRANSPARENT SHADE



A - FROSTED SHADE



POWER SYSTEM FUNCTIONS

Luminaire in standard has following functions of intelligent power supply:

- Connection to outside control system by DALI interface (operation of analog signal 1-10V as an option),
- Possibility of programming multistage dimming of luminaire, up to 5 intervals in the range of from 10 to 100% of nominal power,
- Temperature protection of LED module (from overheating) in case of unintentional luminaire operation during the,
- Regulation of power / luminous flux – the option of setting another value than the catalogue in the range of 30-100% of nominal one,

ACCETABLE QUANTITY OF LUMINAIRES ON ONE CIRCUIT

Overcurrent switches MCB type B or C

Luminaire	Typ	2A	4A	6A	10A	16A	20A	25A
OS-11 LED	B	4	7	12	18	30	37	46
	C	4	12	18	31	51	62	78

Fuse – type gG and GL

Luminaire	2A	4A	6A	10A	16A	20A	25A
OS 11 LED	1	10	20	26	52	71	101