



TECHNICAL DATA

Application	urban roads, residential roads (internal), parks, pedestrians, parkings
Assembly	on extension arms, wall brackets, columns with extension arms with ø 42 x 40 mm ending
Colour	black
Ingress protection	IP 66
Material	body and cap – anodised aluminium formed sheet metal
Operating temperature range	from -40°C to +55°C
Expected useful lifetime	L90B10 - 100 000 h
CRI	>70
Input voltage frequency	50/60Hz
Power factor	≥0.95
Number of LED	12 - (24 W, 36 W); 24 - (48 W, 60 W, 72 W)
Control system	Luminaire has the possibility to connect to an external control system via DALI interface (optionally via analog signal 1- 10V).



TABLE OF VARIANTS

Code	Symbol	LED power	Luminaire power consumption	LED forward current	Colour temperature (CCT)	LEDs luminous flux ¹	Luminaire luminous flux ¹	Luminous efficacy ¹	Unit volume	Inrush current	Net weight
2109030/1/... ²	OW LED 24	24 W	28 W	700 mA	2700 K	4050 lm	3550 lm	127 lm/W	0.16 m³	21A / 225µs	4.6 kg
2109030/3/... ²	OW LED 24	24 W	28 W	700 mA	3500 K	4350 lm	3800 lm	136 lm/W	0.16 m³	21A / 225µs	4.6 kg
2109030/4/... ²	OW LED 24	24 W	28 W	700 mA	4000 K	4600 lm	4050 lm	145 lm/W	0.16 m³	21A / 225µs	4.6 kg
2109030/6/... ²	OW LED 24	24 W	28 W	700 mA	5000 K	4600 lm	4050 lm	145 lm/W	0.16 m³	21A / 225µs	4.6 kg
2109032/1/... ²	OW LED 36	36 W	40 W	1000 mA	2700 K	5400 lm	4750 lm	119 lm/W	0.16 m³	21A / 225µs	4.6 kg
2109032/3/... ²	OW LED 36	36 W	40 W	1000 mA	3500 K	5750 lm	5050 lm	126 lm/W	0.16 m³	21A / 225µs	4.6 kg
2109032/4/... ²	OW LED 36	36 W	40 W	1000 mA	4000 K	6100 lm	5350 lm	134 lm/W	0.16 m³	21A / 225µs	4.6 kg
2109032/6/... ²	OW LED 36	36 W	40 W	1000 mA	5000 K	6100 lm	5350 lm	134 lm/W	0.16 m³	21A / 225µs	4.6 kg
2109033/1/... ²	OW LED 48	48 W	55 W	700 mA	2700 K	8150 lm	7150 lm	130 lm/W	0.16 m³	43A / 260µs	5.1 kg
2109033/3/... ²	OW LED 48	48 W	55 W	700 mA	3500 K	8650 lm	7600 lm	138 lm/W	0.16 m³	43A / 260µs	5.1 kg
2109033/4/... ²	OW LED 48	48 W	55 W	700 mA	4000 K	9150 lm	8000 lm	145 lm/W	0.16 m³	43A / 260µs	5.1 kg
2109033/6/... ²	OW LED 48	48 W	55 W	700 mA	5000 K	9150 lm	8000 lm	145 lm/W	0.16 m³	43A / 260µs	5.1 kg
2109034/1/... ²	OW LED 60	60 W	67 W	830 mA	2700 K	9300 lm	8150 lm	122 lm/W	0.16 m³	43A / 260µs	5.1 kg
2109034/3/... ²	OW LED 60	60 W	67 W	830 mA	3500 K	9850 lm	8650 lm	129 lm/W	0.16 m³	43A / 260µs	5.1 kg
2109034/4/... ²	OW LED 60	60 W	67 W	830 mA	4000 K	10450 lm	9150 lm	137 lm/W	0.16 m³	43A / 260µs	5.1 kg
2109034/6/... ²	OW LED 60	60 W	67 W	830 mA	5000 K	10450 lm	9150 lm	137 lm/W	0.16 m³	43A / 260µs	5.1 kg
2109035/1/... ²	OW LED 72	72 W	79 W	1000 mA	2700 K	10700 lm	9350 lm	118 lm/W	0.16 m³	43A / 260µs	5.1 kg
2109035/3/... ²	OW LED 72	72 W	79 W	1000 mA	3500 K	11350 lm	9950 lm	126 lm/W	0.16 m³	43A / 260µs	5.1 kg
2109035/4/... ²	OW LED 72	72 W	79 W	1000 mA	4000 K	12100 lm	10600 lm	134 lm/W	0.16 m³	43A / 260µs	5.1 kg
2109035/6/... ²	OW LED 72	72 W	79 W	1000 mA	5000 K	12100 lm	10600 lm	134 lm/W	0.16 m³	43A / 260µs	5.1 kg

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

2) symbol of chosen optical system eg. 2109033/6/T2 is OW LED 48 5000K with T2 optical system

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 RoHS (Official Journal of the UE L 174/88 01.07.2011), 2009/125/EC(Official Journal of the UE L 285/10 31.10.2009)

STANDARDS: PN-EN IEC 60598-1: 2021-7, PN-EN 60598-2-3: 2006, PN-EN 60529: 2003, PN-EN 62262: 2003, PN-EN 62471:2010, PN-EN 55015: 2019, PN-EN 61547: 2009, PN-EN 61000-3-2: 2019 , PN-EN 61000-3-3: 2014

Lighting parameters presented based on laboratory tests according to IESNA LM-79-19

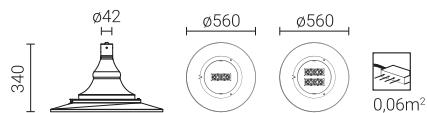
CHARGING DISCHARGE FROM THE LED LUMINAIRE HOUSING

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

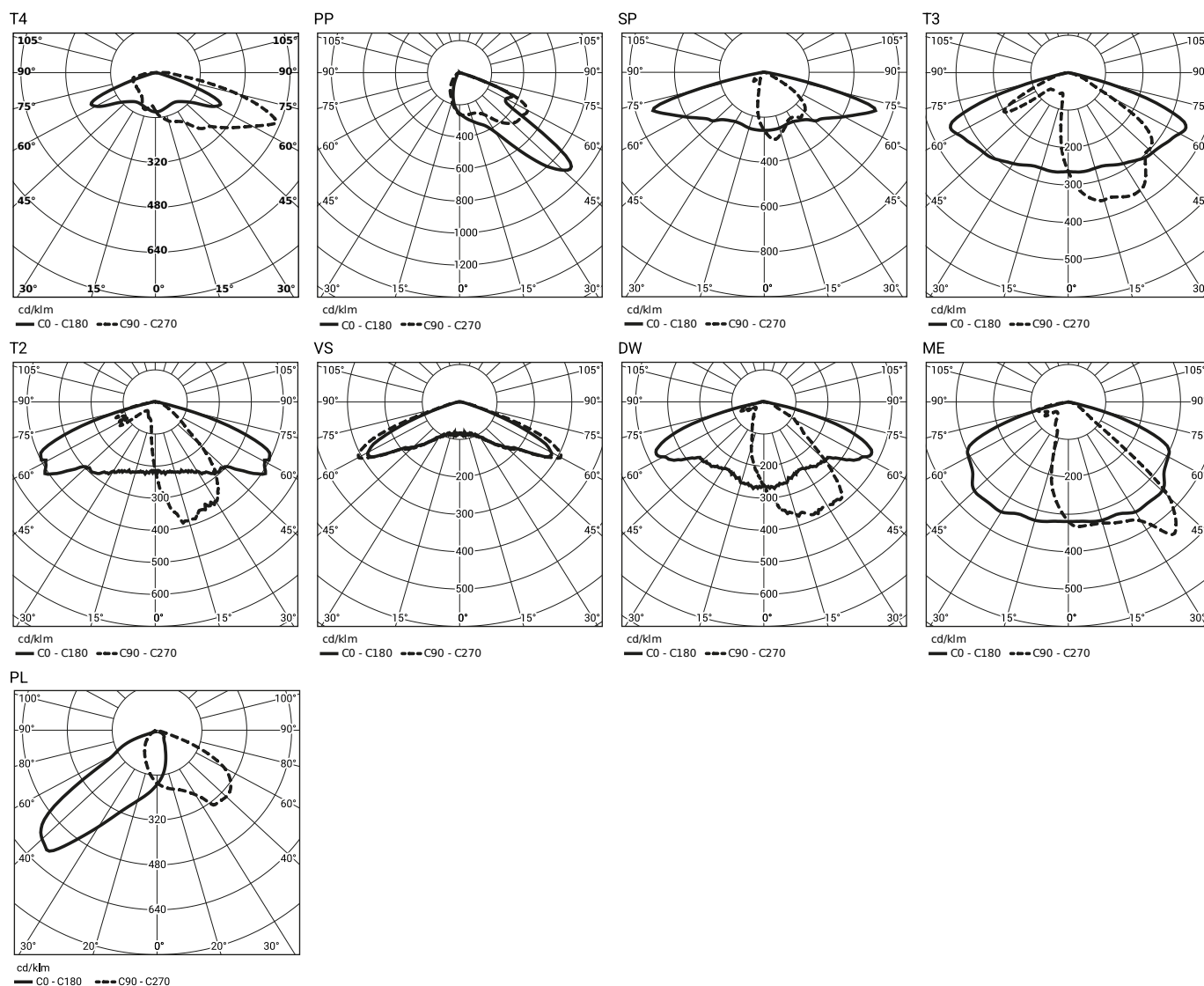
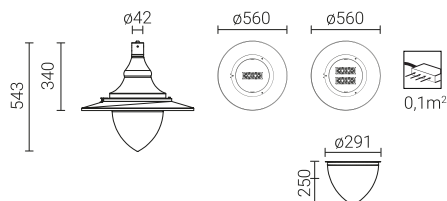
TECHNICAL DRAWING

OW LED



OPTIONAL VERSION

OW LED WITH DIFFUSER



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,
- LED module equipped with thermal protection implemented via an NTC thermistor,
- 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

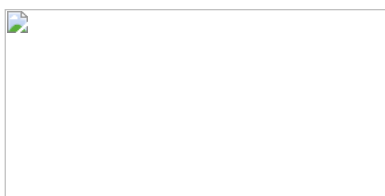
Overcurrent switches MCB type B or C

Luminaire	Typ	2A	4A	6A	10A	16A	20A	25A
OW LED 24, 36W	B	3	6	10	16	26	32	40
	C	3	10	16	27	44	54	67
OW LED 48, 60, 72W	B	1	2	4	6	11	12	15
	C	1	4	6	10	17	20	26

Fuse – type gG and GL

Luminaire	2A	4A	6A	10A	16A	20A	25A
OW LED 24, 36W	1	10	19	25	50	68	97
OW LED 48, 60, 72W	0	4	8	11	22	31	44

OW LED LUMINAIRE DIFFUSER



Code	Name	Unit volume	Weight
690893	Transparent diffuser (PMMA) for OW LED luminaire	0,02m ³	0,55kg
690898	Frosted diffuser (PMMA) for OW LED luminaire	0,02m ³	0,55kg