



## TECHNICAL DATA

<b>Application</b>	urban roads, residential roads (internal), parks, pedestrians, parkings
<b>Assembly</b>	on extension arms, wall brackets, columns with extension arms with $\varnothing 42 \times 40$ mm ending
<b>Colour</b>	black
<b>Ingress protection</b>	IP 66
<b>Material</b>	body and cap – anodised aluminium formed sheet metal
<b>Unit volume</b>	-
<b>Operating temperature range</b>	from $-40^{\circ}\text{C}$ to $+55^{\circ}\text{C}$
<b>Expected useful lifetime</b>	L90B10 - 100 000 h
<b>CRI</b>	>80
<b>Inrush current</b>	21 A / 225 $\mu\text{s}$ (OW LED 24 - 36) 43A / 260 $\mu\text{s}$ (OW LED 48 - 72)
<b>Input voltage frequency</b>	50/60Hz
<b>Power factor</b>	$\geq 0.95$
<b>Number of LED</b>	24
<b>Control system</b>	Luminaire has the possibility to connect to an external control system via DALI interface (optionally via analog signal 1- 10V).



Code	Symbol	LED power	Luminaire power consumption	LED forward current	Colour temperature (CCT)	LEDs luminous flux <sup>1</sup>	Luminaire luminous flux <sup>1</sup>	Luminous efficacy <sup>1</sup>	Net weight
2109034/1/... <sup>2</sup>	OW LED 60	60 W	67 W	830 mA	2700 K	9300 lm	8150 lm	122 lm/W	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

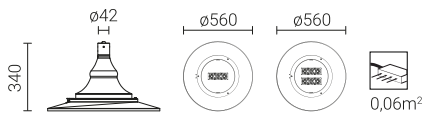
## REMOVING ELECTROSTATIC CHARGE FROM LED LUMINAIRE BODY

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

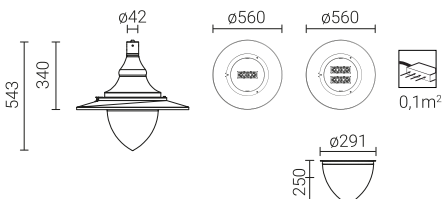
## TECHNICAL DRAWING

### OW LED

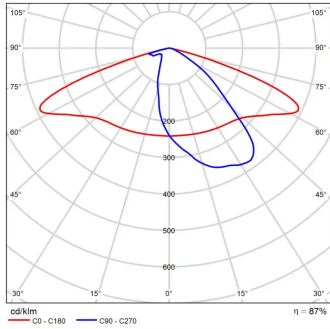


### OPTIONAL VERSION

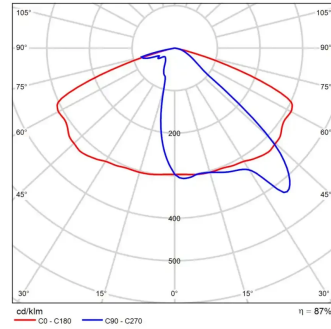
### OW LED WITH DIFFUSER



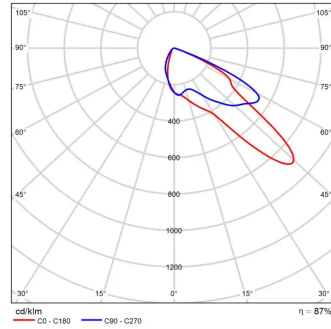
DW



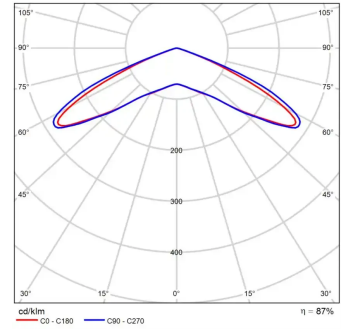
ME



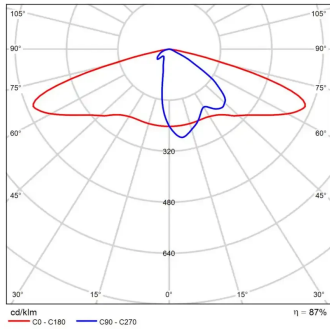
PP



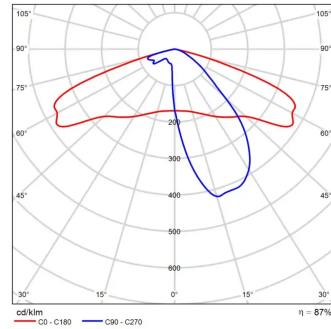
VS



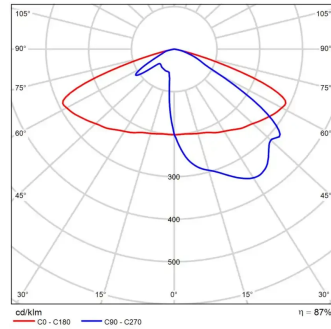
SP



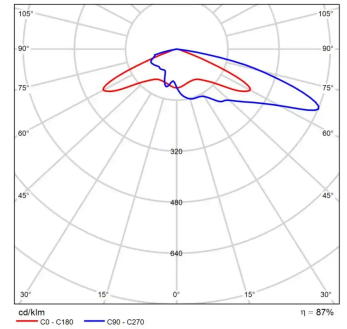
T2



T3



T4



## 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,

## ACCEPTABLE QUANTITY OF LUMINAIRES ON ONE CIRCUIT

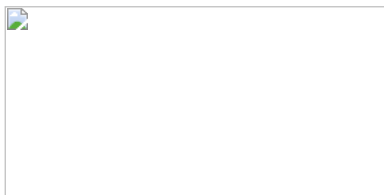
Overcurrent switches MCB type B or C

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
<b>690893</b>	Transparent diffuser (PMMA) for OW LED luminaire
<b>690898</b>	Frosted diffuser (PMMA) for OW LED luminaire

Unit volume	Weight
0,02m <sup>3</sup>	0,55kg
0,02m <sup>3</sup>	0,55kg