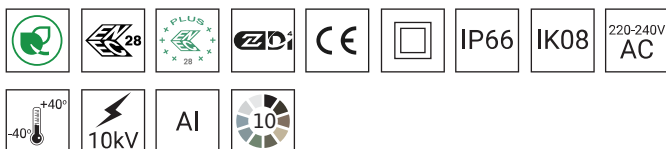


OW+ LED D4I



TECHNICAL DATA

Application	urban roads, residential roads (internal), parks, pedestrians, parkings
Assembly	on extension arms, wall brackets, columns with extension arms with $\varnothing 42 \times 40$ mm ending
Colour	black
Ingress protection	IP 66
Optical system	PMMA optics, interchangeable LED module, tempered glass diffuser
Material	body and cap – anodised aluminium formed sheet metal
Unit volume	0,16 m³
Operating temperature range	from -40°C to +40°C
Expected useful lifetime	L90B10 - 100 000 h
CRI	>70
Inrush current	49A / 290 µs
Input voltage frequency	50/60Hz
Power factor	≥0.95
Number of LED	24
Control system	Luminaire can be connected to an external control system and / or sensors via socket compatible with Zhaga Book 18

TABLE OF VARIANTS

Code	Symbol	LED power	Luminaire power consumption	LED forward current	Colour temperature (CCT)	LEDs luminous flux¹	Luminaire luminous flux¹	Luminous efficacy¹	Net weight
21080530/1/...²	OW+ LED D4i 24	24 W	28 W	350 mA	2700 K	4450 lm	3650 lm	130 lm/W	7.62 kg
21080530/3/...²	OW+ LED D4i 24	24 W	28 W	350 mA	3500 K	4700 lm	3850 lm	138 lm/W	7.62 kg
21080530/4/...²	OW+ LED D4i 24	24 W	28 W	350 mA	4000 K	5000 lm	4050 lm	145 lm/W	7.62 kg
21080530/6/...²	OW+ LED D4i 24	24 W	28 W	350 mA	5000 K	5000 lm	4050 lm	145 lm/W	7.62 kg
21080532/1/...²	OW+ LED D4i 36	36 W	40 W	500 mA	2700 K	6100 lm	4950 lm	124 lm/W	7.62 kg
21080532/3/...²	OW+ LED D4i 36	36 W	40 W	500 mA	3500 K	6450 lm	5250 lm	131 lm/W	7.62 kg
21080532/4/...²	OW+ LED D4i 36	36 W	40 W	500 mA	4000 K	6850 lm	5600 lm	140 lm/W	7.62 kg
21080532/6/...²	OW+ LED D4i 36	36 W	40 W	500 mA	5000 K	6850 lm	5600 lm	140 lm/W	7.62 kg
21080533/1/...²	OW+ LED D4i 48	48 W	55 W	700 mA	2700 K	8150 lm	6650 lm	121 lm/W	7.62 kg
21080533/3/...²	OW+ LED D4i 48	48 W	55 W	700 mA	3500 K	8650 lm	7050 lm	128 lm/W	7.62 kg
21080533/4/...²	OW+ LED D4i 48	48 W	55 W	700 mA	4000 K	9150 lm	7450 lm	135 lm/W	7.62 kg
21080533/6/...²	OW+ LED D4i 48	48 W	55 W	700 mA	5000 K	9150 lm	7450 lm	135 lm/W	7.62 kg
21080534/1/...²	OW+ LED D4i 60	60 W	67 W	830 mA	2700 K	9300 lm	7550 lm	113 lm/W	7.62 kg
21080534/3/...²	OW+ LED D4i 60	60 W	67 W	830 mA	3500 K	9850 lm	8000 lm	119 lm/W	7.62 kg
21080534/4/...²	OW+ LED D4i 60	60 W	67 W	830 mA	4000 K	10450 lm	8500 lm	127 lm/W	7.62 kg
21080534/6/...²	OW+ LED D4i 60	60 W	67 W	830 mA	5000 K	10450 lm	8500 lm	127 lm/W	7.62 kg
21080535/1/...²	OW+ LED D4i 72	72 W	79 W	1000 mA	2700 K	10700 lm	8700 lm	110 lm/W	7.62 kg
21080535/3/...²	OW+ LED D4i 72	72 W	79 W	1000 mA	3500 K	11350 lm	9250 lm	117 lm/W	7.62 kg
21080535/4/...²	OW+ LED D4i 72	72 W	79 W	1000 mA	4000 K	12100 lm	9850 lm	125 lm/W	7.62 kg
21080535/6/...²	OW+ LED D4i 72	72 W	79 W	1000 mA	5000 K	12100 lm	9850 lm	125 lm/W	7.62 kg

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

2) symbol of chosen optical system eq. 21080533/6/T2 is OW+ LED D4i 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 62471:2010, PN-EN 55015: 2019, PN-EN 61547: 2009, PN-EN 61000-3-2: 2019, PN-EN 61000-3-3: 2014, PN-EN 62722-2-1 (tg=25°C)

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

Updated at: 29-10-2025

Zakład Produkcji Sprzętu Oświetleniowego „ROSA” Sp. z o.o.
43-109 Tychy, ul. Strefowa 1 tel. +48 32 73 88 901
www.rosa.pl

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:

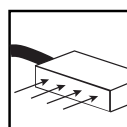
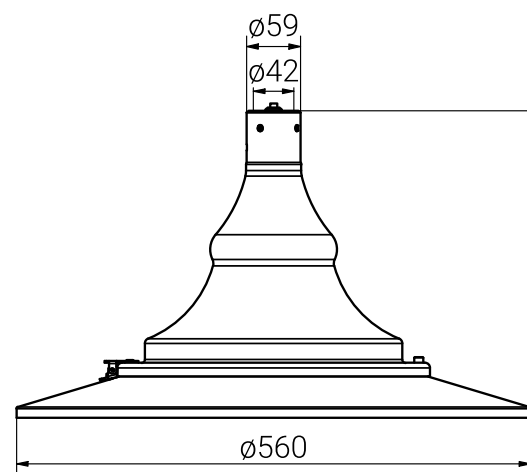
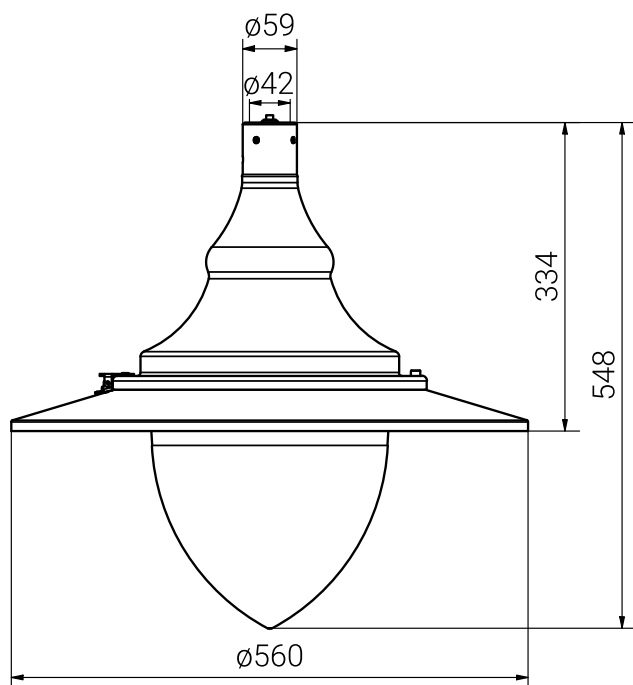
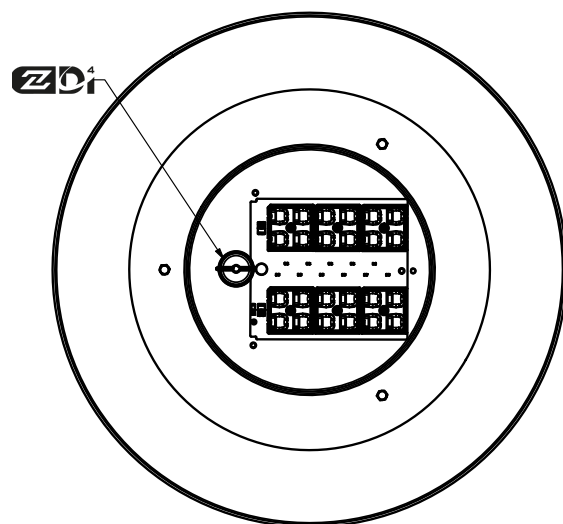
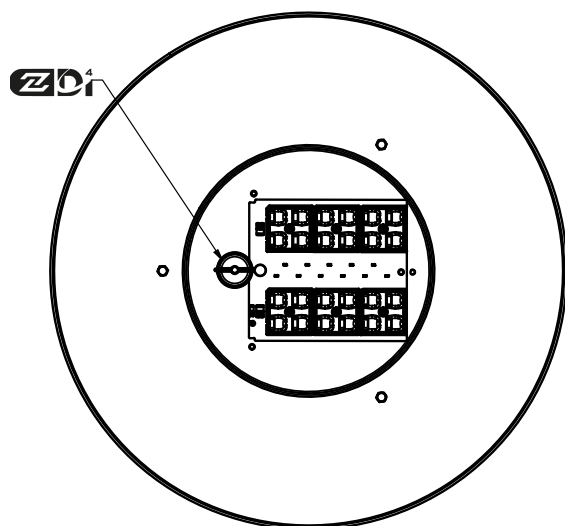
- functional grounding
- LED luminaire with an additional protection device

TECHNICAL DRAWING

OPTIONAL VERSION

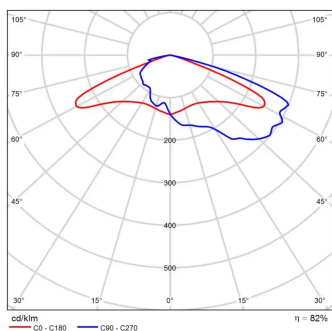
OW+ LED D4i WITH DIFFUSER

OW+ LED D4i

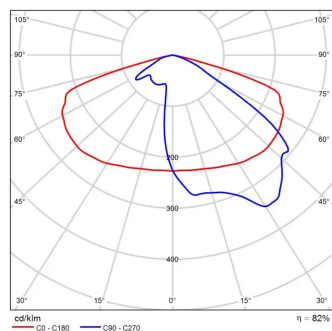


0,1m²

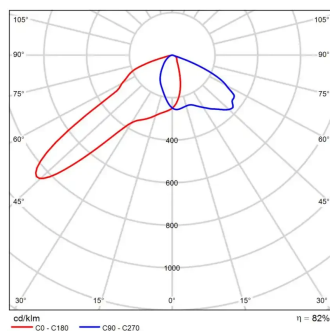
T4



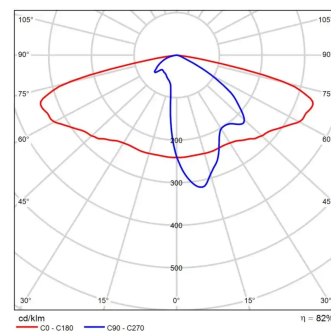
T3



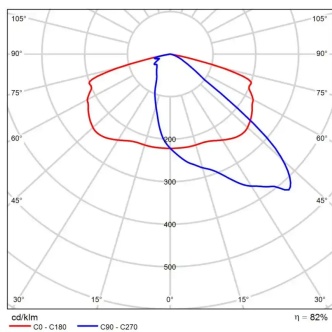
T2



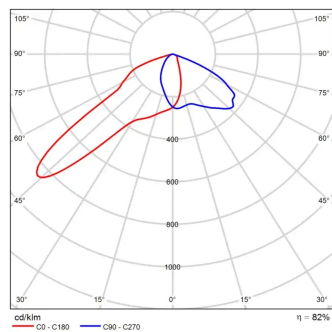
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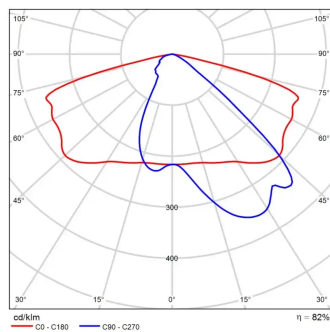
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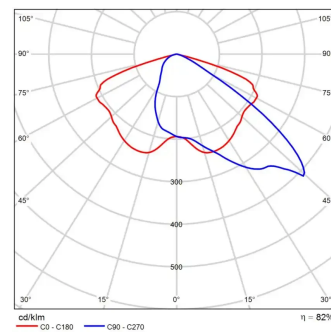
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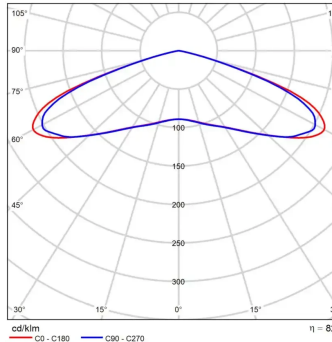
LM



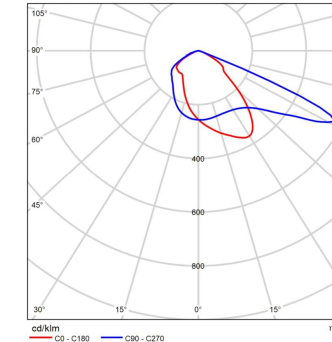
LW



VS



P2



POWER SYSTEM FUNCTIONS

Luminaire in standard has following functions of intelligent power supply:

- 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	Type	2A	4A	6A	10A	16A	20A	25A
OW+ LED D4i	B	3	7	11	18	30	36	46
	C	3	7	11	18	30	36	46

Fuse – type gG and GL

Luminaire	2A	4A	6A	10A	16A	20A	25A
OW+ LED D4i	6	13	20	33	53	66	83

CHROMATICITY

Chromaticity	x	y
2700K	0,4582	0,4099
3500K	0,4080	0,3916
4000K	0,3825	0,3798
5000K	0,3451	0,3554

PHOTOMETRIC CODE

2700K	727/559
3500K	735/559
4000K	740/559
5000K	750/559

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