



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 |
| Material | body and cap – anodised aluminium formed sheet metal |
| Operating temperature range | from -40°C to $+40^{\circ}\text{C}$ |
| Expected useful lifetime | L90B10 - 100 000 h |
| CRI | >70 |
| Input voltage frequency | 50/60Hz |
| Power factor | ≥ 0.95 |
| Number of LED | 24 |
| Control system | Luminaire has the possibility to connect to an external control system via DALI interface (optionally via analog signal 1- 10V). |

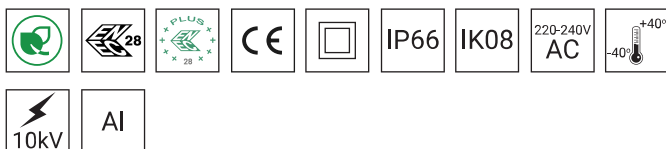


TABLE OF TYPES

| Code | Symbol | 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 |
|----------------------------|------------|-----------|-----------------------------|---------------------|--------------------------|---------------------------------|--------------------------------------|--------------------------------|---------------------|------------|
| 2108030/1/... ² | OW+ LED 24 | 24 W | 28 W | 350 mA | 2700 K | 4450 lm | 3650 lm | 130 lm/W | 0.16 m ³ | 4.6 kg |
| 2108030/3/... ² | OW+ LED 24 | 24 W | 28 W | 350 mA | 3500 K | 4700 lm | 3850 lm | 138 lm/W | 0.16 m ³ | 4.6 kg |
| 2108030/4/... ² | OW+ LED 24 | 24 W | 28 W | 350 mA | 4000 K | 5000 lm | 4050 lm | 145 lm/W | 0.16 m ³ | 4.6 kg |
| 2108030/6/... ² | OW+ LED 24 | 24 W | 28 W | 350 mA | 5000 K | 5000 lm | 4050 lm | 145 lm/W | 0.16 m ³ | 4.6 kg |
| 2108032/1/... ² | OW+ LED 36 | 36 W | 40 W | 500 mA | 2700 K | 6100 lm | 4950 lm | 124 lm/W | 0.16 m ³ | 4.6 kg |
| 2108032/3/... ² | OW+ LED 36 | 36 W | 40 W | 500 mA | 3500 K | 6450 lm | 5250 lm | 131 lm/W | 0.16 m ³ | 4.6 kg |
| 2108032/4/... ² | OW+ LED 36 | 36 W | 40 W | 500 mA | 4000 K | 6850 lm | 5600 lm | 140 lm/W | 0.16 m ³ | 4.6 kg |
| 2108032/6/... ² | OW+ LED 36 | 36 W | 40 W | 500 mA | 5000 K | 6850 lm | 5600 lm | 140 lm/W | 0.16 m ³ | 4.6 kg |
| 2108033/1/... ² | OW+ LED 48 | 48 W | 55 W | 700 mA | 2700 K | 8150 lm | 6650 lm | 121 lm/W | 0.16 m ³ | 5.1 kg |
| 2108033/3/... ² | OW+ LED 48 | 48 W | 55 W | 700 mA | 3500 K | 8650 lm | 7050 lm | 128 lm/W | 0.16 m ³ | 5.1 kg |
| 2108033/4/... ² | OW+ LED 48 | 48 W | 55 W | 700 mA | 4000 K | 9150 lm | 7450 lm | 135 lm/W | 0.16 m ³ | 5.1 kg |
| 2108033/6/... ² | OW+ LED 48 | 48 W | 55 W | 700 mA | 5000 K | 9150 lm | 7450 lm | 135 lm/W | 0.16 m ³ | 5.1 kg |
| 2108034/1/... ² | OW+ LED 60 | 60 W | 67 W | 830 mA | 2700 K | 9300 lm | 7550 lm | 113 lm/W | 0.16 m ³ | 5.1 kg |
| 2108034/3/... ² | OW+ LED 60 | 60 W | 67 W | 830 mA | 3500 K | 9850 lm | 8000 lm | 119 lm/W | 0.16 m ³ | 5.1 kg |
| 2108034/4/... ² | OW+ LED 60 | 60 W | 67 W | 830 mA | 4000 K | 10450 lm | 8500 lm | 127 lm/W | 0.16 m ³ | 5.1 kg |
| 2108034/6/... ² | OW+ LED 60 | 60 W | 67 W | 830 mA | 5000 K | 10450 lm | 8500 lm | 127 lm/W | 0.16 m ³ | 5.1 kg |
| 2108035/1/... ² | OW+ LED 72 | 72 W | 79 W | 1000 mA | 2700 K | 10700 lm | 8700 lm | 110 lm/W | 0.16 m ³ | 5.1 kg |
| 2108035/3/... ² | OW+ LED 72 | 72 W | 79 W | 1000 mA | 3500 K | 11350 lm | 9250 lm | 117 lm/W | 0.16 m ³ | 5.1 kg |
| 2108035/4/... ² | OW+ LED 72 | 72 W | 79 W | 1000 mA | 4000 K | 12100 lm | 9850 lm | 125 lm/W | 0.16 m ³ | 5.1 kg |
| 2108035/6/... ² | OW+ LED 72 | 72 W | 79 W | 1000 mA | 5000 K | 12100 lm | 9850 lm | 125 lm/W | 0.16 m ³ | 5.1 kg |

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

2) symbol of chosen optical system eg. 2108033/6/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, 2009/125/EC

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: 2013, PN-EN 61547: 2009, PN-EN 61000-3-2: 2014, PN-EN 61000-3-3: 2013, PN-EN 62722-2-1 (tq=25°C)

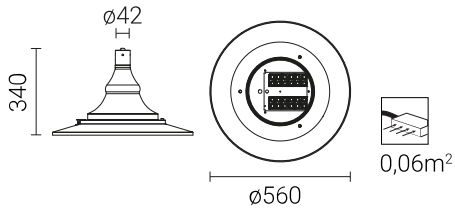
CHARGING DISCHARGE FROM THE LED LUMINAIRE HOUSING

In order to efficiently 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:

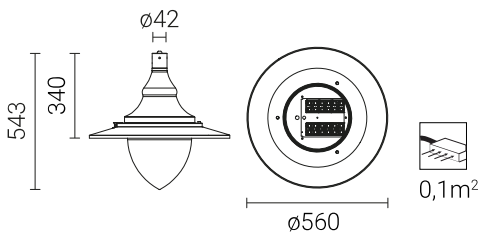
- functional grounding
- LED luminaire with an additional protection device

TECHNICAL DRAWING

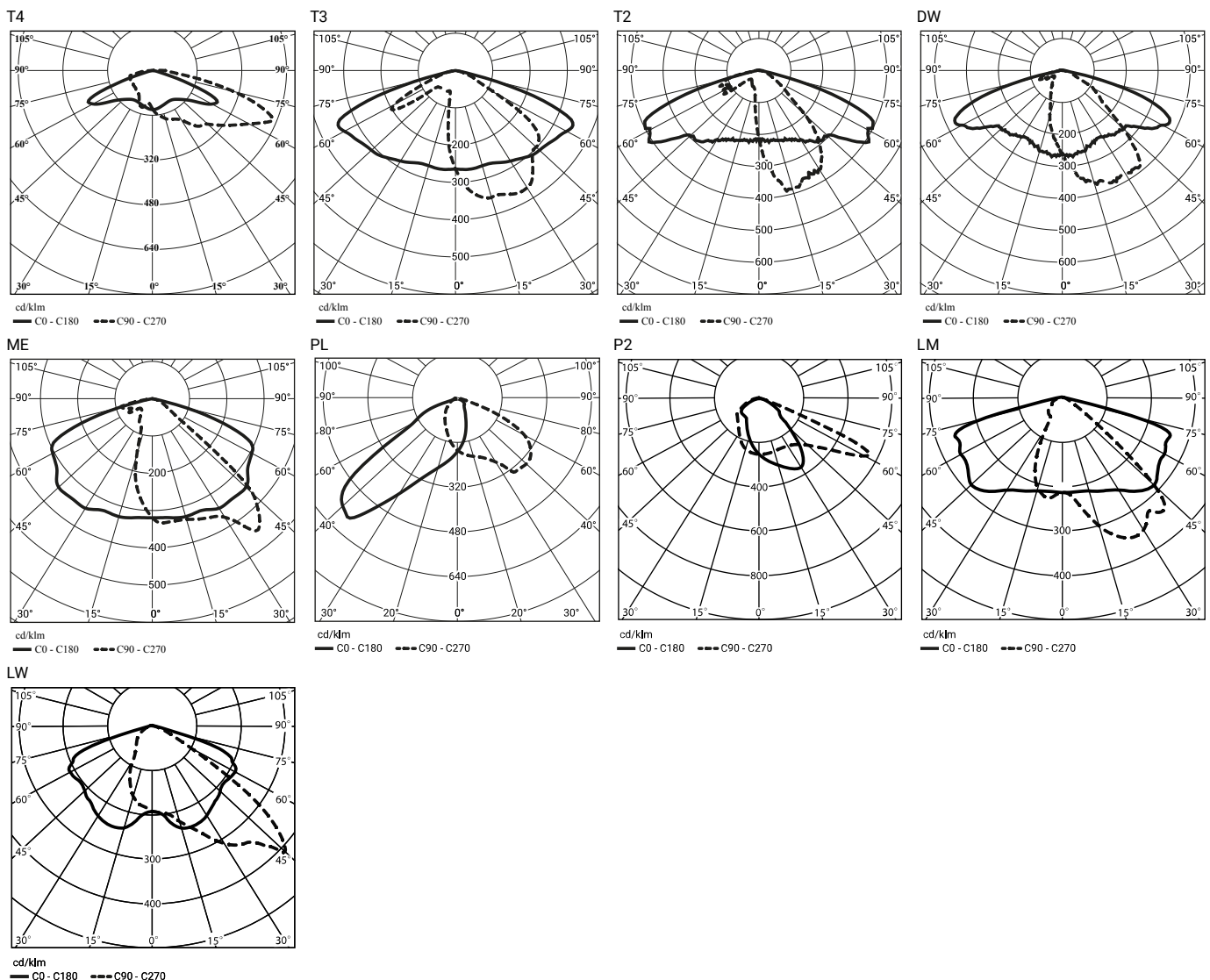
OW+ LED



OW+ LED WITH DIFFUSER



PHOTOMETRIC CURVES



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,
- 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,

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 | B | 5 | 10 | 16 | 16 | 42 | 52 | 65 |
| | C | 5 | 17 | 16 | 26 | 71 | 87 | 109 |

Fuse – type gG and GL

| Luminaire | 2A | 4A | 6A | 10A | 16A | 20A | 25A |
|-----------|---------|----|----|-----|-----|-----|-------|
| OW+ LED | OW+ LED | 0 | 3 | 7 | 9 | 18 | 25 36 |

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 |