

TECHNICAL DATA

|                             |                                                                                                                                  |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Diffuser                    | transparent                                                                                                                      |
| Application                 | parks, pedestrians                                                                                                               |
| Assembly                    | on columns, extension arms, aluminium and steel wall brackets, arm systems with spigot ending ø 60 x 60 mm deep                  |
| 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                                  |
| Unit volume                 | -                                                                                                                                |
| Operating temperature range | from -40°C to +40°C                                                                                                              |
| Expected useful lifetime    | L90B10 - 100 000 h                                                                                                               |
| CRI                         | >80                                                                                                                              |
| Inrush current              | 18 A / 280 µs                                                                                                                    |
| 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). |

| Code      | Symbol    | Diffuser    | LED power | Luminaire power consumption | LED forward current | Colour temperature (CCT) | LEDs luminous flux¹ | Luminaire luminous flux¹ | Luminous efficacy¹ | Net weight |
|-----------|-----------|-------------|-----------|-----------------------------|---------------------|--------------------------|---------------------|--------------------------|--------------------|------------|
| 2112050/3 | OS-11 LED | transparent | 38 W      | 42 W                        | 800 mA              | 3500 K                   | 6200 lm             | 5050 lm                  | 120 lm/W           | 4.8 kg     |

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

DIRECTIVES AND STANDARDS

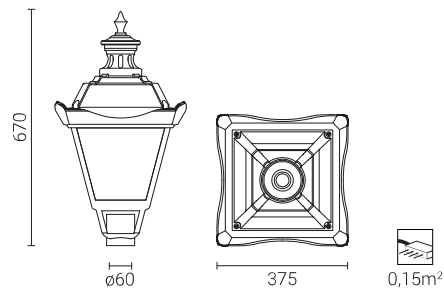
**DIRECTIVES:** 2014/35/UE (Official Journal of the UE L 96/357 29.03.2014), 2014/30/UE (Official Journal of the UE L 96/79 29.03.2014), 2011/65/UE RoHS (Official Journal of the UE L 174/88 01.07.2011), 2009/125/EC(Official Journal of the UE L 285/10 31.10.2009)  
**STANDARDS:** PN-EN IEC 60598-1: 2021-7, 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, PN-EN 62722-2-1 (tq=25°C)

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

REMOVING ELECTROSTATIC CHARGE FROM LED LUMINAIRE BODY

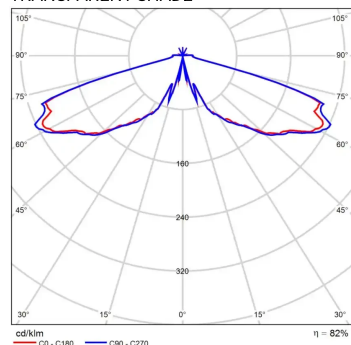
In order to efficient discharge the electrostatic charge from the housing of LED fitting installed on the pole from dielectric material (non-conductive) one of the following solutions is required:  
- functional grounding  
- LED luminaire with an additional protection device

TECHNICAL DRAWING

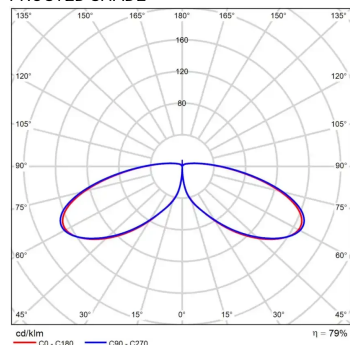


PHOTOMETRIC CURVES

TRANSPARENT SHADE



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,
- 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 |
|-----------|------|----|----|----|-----|-----|-----|-----|
| 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 |

## 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 |