



## TECHNICAL DATA

|                                    |                                                                                                                                  |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Assembly</b>                    | on columns, extension arms, aluminium and steel wall brackets, arm systems with spigot ending $\varnothing$ 60 x 60 mm deep      |
| <b>Application</b>                 | parks, pedestrians                                                                                                               |
| <b>Colour</b>                      | black / LED panel inox                                                                                                           |
| <b>Ingress protection</b>          | IP 66 for the optical part and IP 54 for the driver                                                                              |
| <b>Material</b>                    | body – UV resistant polypropylene with glass fiber                                                                               |
| <b>Unit volume</b>                 | 0,1 m <sup>3</sup>                                                                                                               |
| <b>Operating temperature range</b> | from -40°C to +40°C                                                                                                              |
| <b>Expected useful lifetime</b>    | L90B10 - 100 000 h                                                                                                               |
| <b>CRI</b>                         | >70                                                                                                                              |
| <b>Inrush current</b>              | 18 A / 280 $\mu$ s                                                                                                               |
| <b>Input voltage frequency</b>     | 50/60Hz                                                                                                                          |
| <b>Power factor</b>                | $\geq$ 0.95                                                                                                                      |
| <b>Number of LED</b>               | 16                                                                                                                               |
| <b>Control system</b>              | 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 <sup>1</sup> | Luminaire luminous flux <sup>1</sup> | Luminous efficacy <sup>1</sup> | Net weight |
|----------|-------------|-----------|-----------------------------|---------------------|--------------------------|---------------------------------|--------------------------------------|--------------------------------|------------|
| 211250/1 | OS-1 LED 32 | 38 W      | 42 W                        | 800 mA              | 2700 K                   | 5850 lm                         | 5050 lm                              | 120 lm/W                       | 5.2 kg     |
| 211250/3 | OS-1 LED 32 | 38 W      | 42 W                        | 800 mA              | 3500 K                   | 6200 lm                         | 5350 lm                              | 127 lm/W                       | 5.2 kg     |
| 211250/4 | OS-1 LED 32 | 38 W      | 42 W                        | 800 mA              | 4000 K                   | 6700 lm                         | 5750 lm                              | 137 lm/W                       | 5.2 kg     |
| 211250/6 | OS-1 LED 32 | 38 W      | 42 W                        | 800 mA              | 5000 K                   | 6700 lm                         | 5750 lm                              | 137 lm/W                       | 5.2 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)

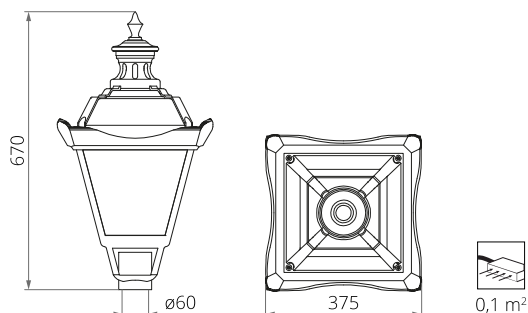
Lighting parameters presented based on laboratory tests according to IESNA LM-79-19

## 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:

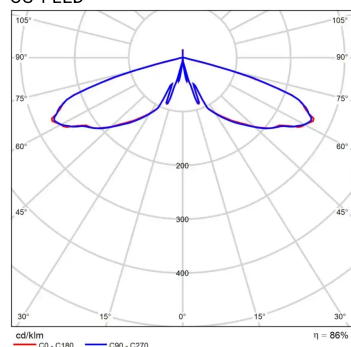
- functional grounding
- LED luminaire with an additional protection device

## TECHNICAL DRAWING



## PHOTOMETRIC CURVES

OS-1 LED



## 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-1 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 1 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 |