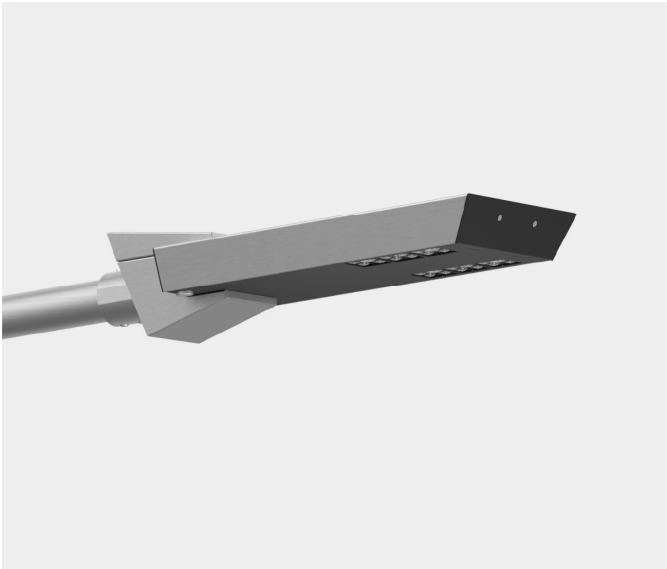




TECHNICAL DATA

|                             |                                                                                                                                  |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Application                 | motorways and expressway, urban roads, pedestrians, parkings                                                                     |
| Assembly                    | on extension arms with ø 60 x 95 mm ending                                                                                       |
| Colour                      | inox / black                                                                                                                     |
| Ingress protection          | IP 66 for the optical part and the driver                                                                                        |
| Material                    | anodised aluminium alloy                                                                                                         |
| Unit volume                 | -                                                                                                                                |
| Operating temperature range | from -40°C to +55°C (for 48 W, 60 W, 72 W, 96 W, 120 W), from -40°C to +40°C (for 144 W)                                         |
| Expected useful lifetime    | L90B10 - 100 000 h                                                                                                               |
| CRI                         | >70                                                                                                                              |
| Inrush current              | 55 A / 200 µs (URSA LED 48 - 72)<br>67 A / 210 µs (URSA LED 96 - 144)                                                            |
| 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). |

| Code           | Symbol      | LED power | Luminaire power consumption | LED forward current | Colour temperature (CCT) | LEDs luminous flux¹ | Luminaire luminous flux¹ | Luminous efficacy¹ | Net weight |
|----------------|-------------|-----------|-----------------------------|---------------------|--------------------------|---------------------|--------------------------|--------------------|------------|
| 2220035/4/...² | URSA LED 72 | 72 W      | 79 W                        | 1000 mA             | 4000 K                   | 12100 lm            | 11050 lm                 | 140 lm/W           | 8 kg       |

- 1) tolerance +/- 5% due to LEDs accuracy  
2) symbol of chosen optical system eg. 2220033/6/T2 is URSA LED 48 5000K with T2 optical system

DIRECTIVES AND STANDARDS

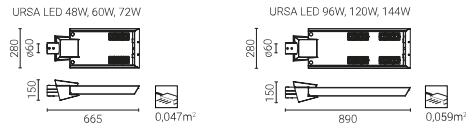
**DIRECTIVES:** 2014/35/UE (Official Journal of the UE L 96/357 29.03.2014), 2014/30/UE (Official Journal of the UE L 96/79 29.03.2014), 2011/65/UE RoHS (Official Journal of the UE L 174/88 01.07.2011), 2009/125/EC(Official Journal of the UE L 285/10 31.10.2009)  
**STANDARDS:** PN-EN IEC 60598-1: 2021-7,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

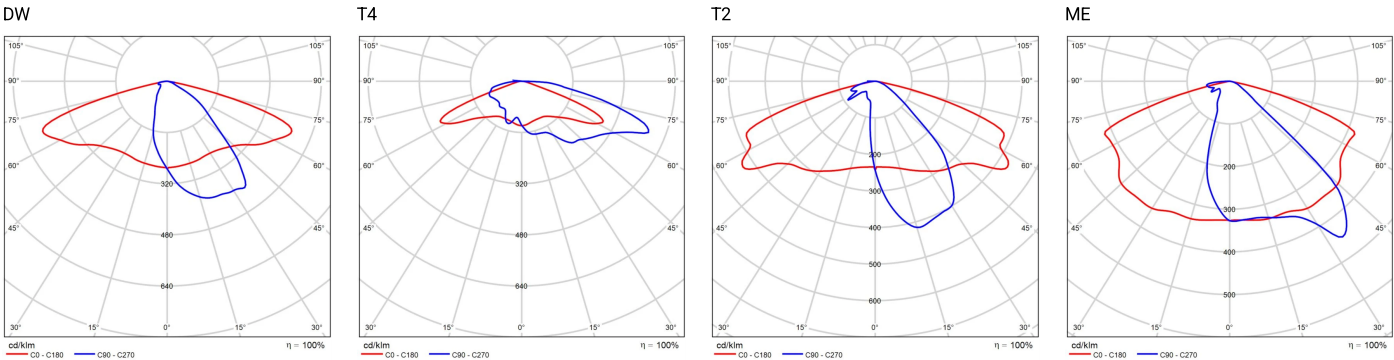
REMOVING ELECTROSTATIC CHARGE FROM LED LUMINAIRE BODY

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

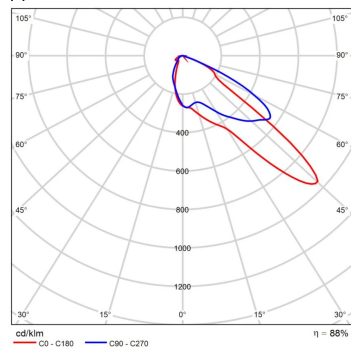
TECHNICAL DRAWING



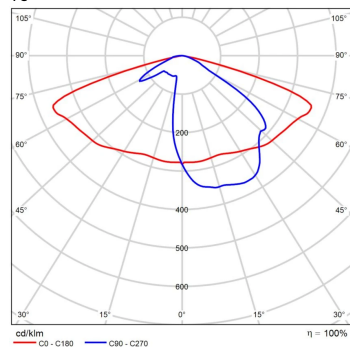
PHOTOMETRIC CURVES



PP



T3



## 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,

## ACCETABLE QUANTITY OF LUMINAIRES ON ONE CIRCUIT

Overcurrent switches MCB type B or C

| Luminaire                 | Typ | 2A | 4A | 6A | 10A | 16A | 20A | 25A |
|---------------------------|-----|----|----|----|-----|-----|-----|-----|
| URSA LED<br>48, 60, 72W   | B   | 1  | 2  | 4  | 6   | 11  | 13  | 17  |
|                           | C   | 1  | 4  | 6  | 11  | 18  | 22  | 28  |
| URSA LED<br>96, 120, 144W | B   | 1  | 1  | 3  | 5   | 8   | 12  | 12  |
|                           | C   | 1  | 3  | 5  | 8   | 13  | 16  | 20  |

Fuse – type gG and GL

| Luminaire                 | 2A | 4A | 6A | 10A | 16A | 20A | 25A |
|---------------------------|----|----|----|-----|-----|-----|-----|
| URSA LED<br>48, 60, 72W   | 1  | 2  | 11 | 19  | 30  | 38  | 47  |
| URSA LED<br>96, 120, 144W | 1  | 1  | 6  | 9   | 15  | 19  | 24  |