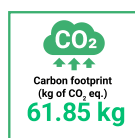


## TECHNICAL DATA

|                                         |                                                                                                                                        |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Application                             | residential roads (internal), parks, pedestrians                                                                                       |
| Colour                                  | graphite / inox                                                                                                                        |
| Ingress protection                      | IP 66                                                                                                                                  |
| Optical system                          | PMMA optics                                                                                                                            |
| Material                                | anodised aluminium alloy                                                                                                               |
| Unit volume                             | 1 m³                                                                                                                                   |
| Expected useful lifetime                | L90B10 - 100 000 h                                                                                                                     |
| CRI                                     | >70                                                                                                                                    |
| Inrush current                          | 18 A / 280 µs (DROP I LED 36)<br>46 A / 250 µs (DROP I LED 48)                                                                         |
| Input voltage frequency                 | 50/60Hz                                                                                                                                |
| Power factor                            | ≥0.95                                                                                                                                  |
| Number of LED                           | 16                                                                                                                                     |
| Control system                          | LED lighting set has the possibility to connect to an external control system via DALI interface (optionally via analog signal 1-10V). |
| Concrete footing / reinforcement basket | B-50 (311150) / Z-50 (311205)                                                                                                          |



## TABLE OF VARIANTS

| Code          | Symbol        | Height of the column [H] | LED power | Luminaire power consumption | LED forward current | Colour temperature (CCT) | LEDs luminous flux¹ | Luminaire luminous flux¹ | Luminous efficacy¹ | Net weight |
|---------------|---------------|--------------------------|-----------|-----------------------------|---------------------|--------------------------|---------------------|--------------------------|--------------------|------------|
| 215032/1/...² | DROP I LED 36 | 5.2 m                    | 36 W      | 41 W                        | 750 mA              | 2700 K                   | 5750 lm             | 5450 lm                  | 133 lm/W           | 25.9 kg    |
| 215032/3/...² | DROP I LED 36 | 5.2 m                    | 36 W      | 41 W                        | 750 mA              | 3500 K                   | 6100 lm             | 5800 lm                  | 141 lm/W           | 25.9 kg    |
| 215032/4/...² | DROP I LED 36 | 5.2 m                    | 36 W      | 41 W                        | 750 mA              | 4000 K                   | 6450 lm             | 6100 lm                  | 149 lm/W           | 25.9 kg    |
| 215032/6/...² | DROP I LED 36 | 5.2 m                    | 36 W      | 41 W                        | 750 mA              | 5000 K                   | 6450 lm             | 6100 lm                  | 149 lm/W           | 25.9 kg    |
| 215033/1/...² | DROP I LED 48 | 5.2 m                    | 48 W      | 55 W                        | 1000 mA             | 2700 K                   | 7250 lm             | 6850 lm                  | 125 lm/W           | 25.9 kg    |
| 215033/3/...² | DROP I LED 48 | 5.2 m                    | 48 W      | 55 W                        | 1000 mA             | 3500 K                   | 7650 lm             | 7300 lm                  | 133 lm/W           | 25.9 kg    |
| 215033/4/...² | DROP I LED 48 | 5.2 m                    | 48 W      | 55 W                        | 1000 mA             | 4000 K                   | 8150 lm             | 7700 lm                  | 140 lm/W           | 25.9 kg    |
| 215033/6/...² | DROP I LED 48 | 5.2 m                    | 48 W      | 55 W                        | 1000 mA             | 5000 K                   | 8150 lm             | 7700 lm                  | 140 lm/W           | 25.9 kg    |

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

2) symbol of chosen optical system eg. 215033/6/A is DROP I LED 48 5000K with asymmetric optical system

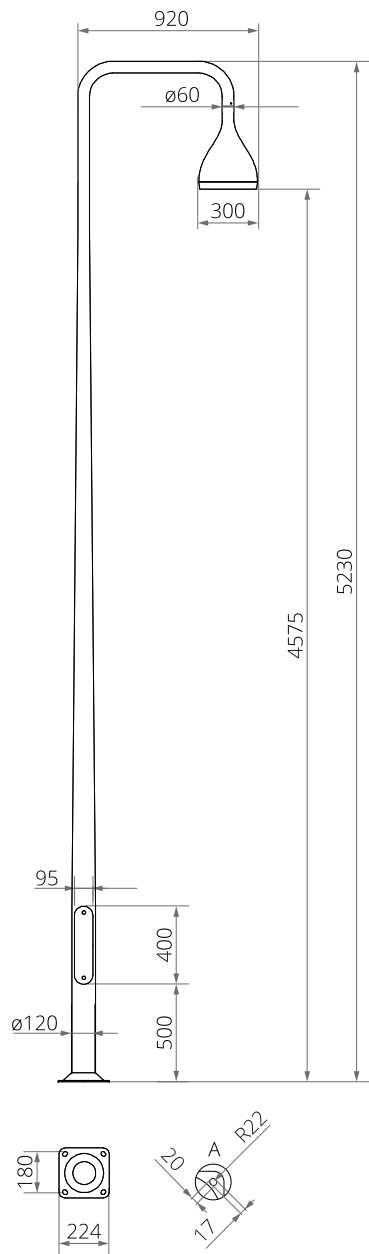
## DIRECTIVES AND STANDARDS

**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

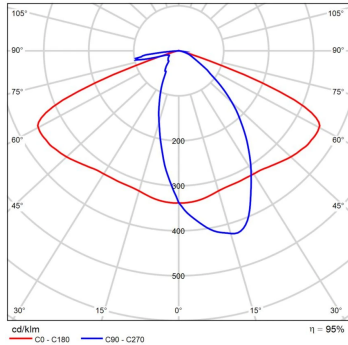
Lighting parameters presented based on laboratory tests according to IESNA LM-79-19

TECHNICAL DRAWING

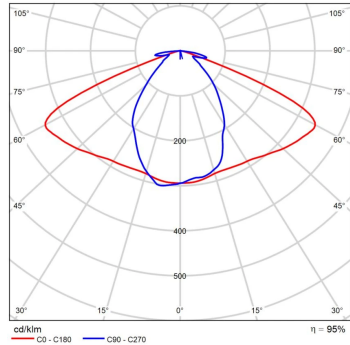


PHOTOMETRIC CURVES

DROP A



DROP S



## 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

| Lighting sets  | Typ | 2A | 4A | 6A | 10A | 16A | 20A | 25A |
|----------------|-----|----|----|----|-----|-----|-----|-----|
| DROP I LED 36W | B   | 3  | 6  | 10 | 16  | 26  | 32  | 40  |
|                | C   | 3  | 10 | 16 | 27  | 44  | 54  | 67  |
| DROP I LED 48W | B   | 1  | 2  | 4  | 6   | 10  | 12  | 15  |
|                | C   | 1  | 4  | 6  | 10  | 17  | 20  | 26  |

Fuse – type gG and GL

| Lighting sets  | 2A | 4A | 6A | 10A | 16A | 20A | 25A |
|----------------|----|----|----|-----|-----|-----|-----|
| DROP I LED 36W | 1  | 10 | 19 | 25  | 50  | 68  | 97  |
| DROP I LED 48W | 0  | 4  | 8  | 11  | 22  | 31  | 44  |

## ACCEPTABLE HEIGHT

| DROP I LED     | Acceptable height of the LED lighting set |                                                |                        |                                           |
|----------------|-------------------------------------------|------------------------------------------------|------------------------|-------------------------------------------|
| Field category | I zone Vref. = 22 m/s                     | I & III zone, up to 450m a.s.l. Vref. = 24 m/s | II zone Vref. = 26 m/s | III zone up to 755m a.s.l. Vref. = 28 m/s |
| I              | 5,2                                       | 5,2                                            | 5,2                    | 5,2                                       |
| II             | 5,2                                       | 5,2                                            | 5,2                    | 5,2                                       |
| III            | 5,2                                       | 5,2                                            | 5,2                    | 5,2                                       |
| IV             | 5,2                                       | 5,2                                            | 5,2                    | 5,2                                       |