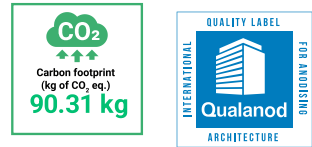


TECHNICAL DATA

|                          |                                                                                                                                        |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Application              | urban roads, residential roads (internal), surrounding office buildings, parks, pedestrians                                            |
| Colour                   | inox / grey                                                                                                                            |
| Ingress protection       | IP 66 for the optical part and the driver                                                                                              |
| Optical system           | PMMA optics, interchangeable LED module                                                                                                |
| Material                 | anodised aluminium alloy                                                                                                               |
| Unit volume              | 0.5 m³ (CUT-3 LED)<br>0.7 m³ (CUT-4 LED)<br>1 m³ (CUT-5 LED)<br>1.2 m³ (CUT-6 LED)<br>1.4 m³ (CUT-7 LED)<br>1.6 m³ (CUT-8 LED)         |
| Expected useful lifetime | L90B10 - 100 000 h                                                                                                                     |
| CRI                      | >70                                                                                                                                    |
| Inrush current           | 18 A / 280 µs (CUT LED 24-36)<br>46 A / 250 µs (CUT LED 48-72)                                                                         |
| Input voltage frequency  | 50/60Hz                                                                                                                                |
| Power factor             | ≥0.95                                                                                                                                  |
| Number of LED            | 12                                                                                                                                     |
| Control system           | LED lighting set has the possibility to connect to an external control system via DALI interface (optionally via analog signal 1-10V). |



| 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 | Concrete footing / reinforcement basket type | Net weight |
|---------------|--------------|--------------------------|-----------|-----------------------------|---------------------|--------------------------|---------------------|--------------------------|--------------------|----------------------------------------------|------------|
| 216032/4/...² | CUT-5 LED 36 | 5 m                      | 36 W      | 40 W                        | 1000 mA             | 4000 K                   | 6150 lm             | 5400 lm                  | 135 lm/W           | B-50 / Z-50                                  | 42.5 kg    |

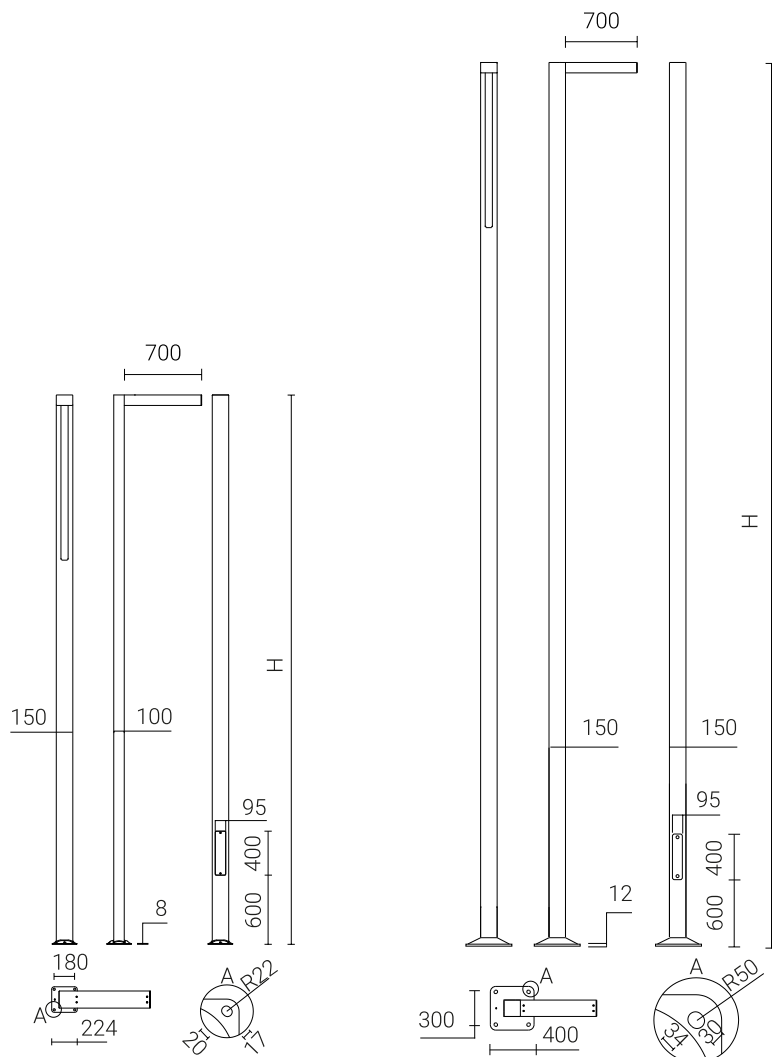
1) tolerance +/- 5% due to LEDs accuracy  
2) symbol of chosen optical system eg. 216230/6/T2 is CUT-3 LED 24 5000K with T2 optical system

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

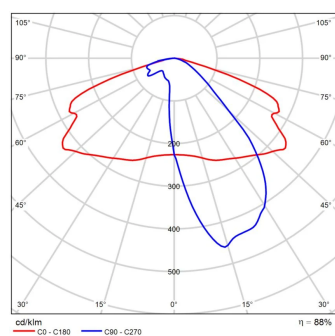
Lighting parameters presented based on laboratory tests according to IESNA LM-79-19

## TECHNICAL DRAWING

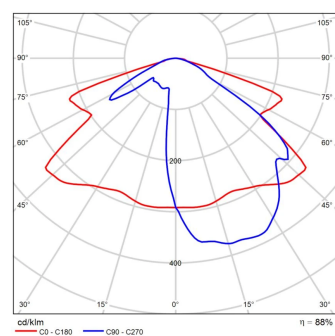


## PHOTOMETRIC CURVES

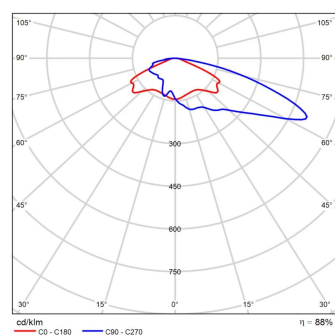
T2



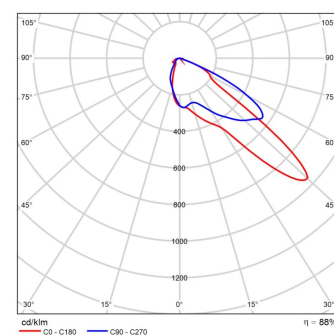
T3



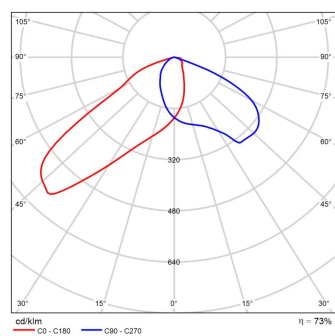
T4



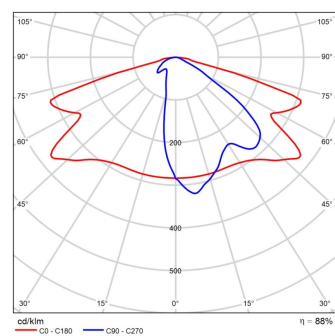
PP



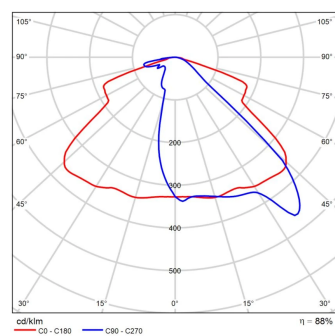
PL



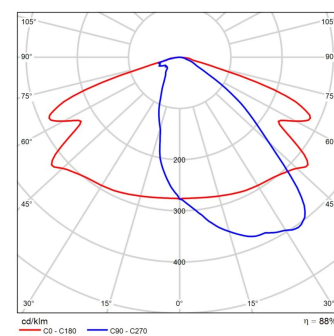
SP



ME



DW



## 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 |
|--------------------|-----|----|----|----|-----|-----|-----|-----|
| CUT LED<br>24, 36W | B   | 3  | 6  | 10 | 16  | 26  | 32  | 40  |
|                    | C   | 3  | 10 | 16 | 27  | 44  | 54  | 67  |
| CUT LED<br>48, 72W | B   | 1  | 2  | 4  | 6   | 11  | 13  | 17  |
|                    | C   | 1  | 4  | 6  | 11  | 18  | 22  | 28  |

Fuse – type gG and GL

| Lighting sets      | 2A | 4A | 6A | 10A | 16A | 20A | 25A |
|--------------------|----|----|----|-----|-----|-----|-----|
| CUT LED<br>24, 36W | 1  | 10 | 19 | 25  | 50  | 68  | 97  |
| CUT LED<br>48, 72W | 0  | 4  | 8  | 11  | 21  | 29  | 42  |

## ACCEPTABLE HEIGHT

CUT LED-3/4/5 Acceptable height of the LED lighting set

| Field category | I zone<br>Vref. = 22 m/s | I & III zone, up<br>to 450m a.s.l.<br>Vref. = 24 m/s | II zone<br>Vref. = 26 m/s | III zone up to<br>755m a.s.l. Vref.<br>= 28 m/s |
|----------------|--------------------------|------------------------------------------------------|---------------------------|-------------------------------------------------|
| I              | 6                        | 5,5                                                  | 5                         | 4,5                                             |
| II             | 6                        | 5,5                                                  | 5,5                       | 5                                               |
| III            | 6                        | 6                                                    | 5,5                       | 5,5                                             |
| IV             | 6                        | 6                                                    | 6                         | 6                                               |

CUT LED-6/7/8 Acceptable height of the LED lighting set

| Field category | I zone<br>Vref. = 22 m/s | I & III zone, up<br>to 450m a.s.l.<br>Vref. = 24 m/s | II zone<br>Vref. = 26 m/s | III zone up to<br>755m a.s.l. Vref.<br>= 28 m/s |
|----------------|--------------------------|------------------------------------------------------|---------------------------|-------------------------------------------------|
| I              | 7,5                      | 7                                                    | 6,5                       | 6                                               |
| II             | 8                        | 7,5                                                  | 7                         | 6,5                                             |
| III            | 8                        | 8                                                    | 7,5                       | 7                                               |
| IV             | 8                        | 8                                                    | 8                         | 7,5                                             |