

TECHNICAL DATA

| | |
|------------------------------------|--|
| Diffuser | PMMA |
| Application | motorways and expressway, urban roads, parkings |
| Ingress protection | IP 66 for the optical part and the driver |
| Material | anodised aluminium alloy |
| Unit volume | 0,67 m ³ (SAL 9 WŁN 1/1,5/1,7/5 EDGE) 0,74 m ³ (SAL 10 WŁN 1/1,5/2,7/5 EDGE) |
| Operating temperature range | from -40°C to +55°C |
| Expected useful lifetime | L80B20 – 100 000 h |
| CRI | >70 |
| Inrush current | 18 A / 280 μs |
| Input voltage frequency | 50/60Hz |
| Power factor | ≥0.95 |
| Control system | LED lighting set has the possibility to connect to an external control system via DALI interface (optionally via analog signal 1-10V). |



TABLE OF VARIANTS

| Code | Symbol | Height of the column [H] | LED power | Luminaire power consumption | Colour temperature (CCT) | Luminaire luminous flux ¹ | Luminous efficacy ¹ | Concrete footing / reinforcement basket type | Net weight |
|----------------------------|-------------------------------|--------------------------|-----------|-----------------------------|--------------------------|--------------------------------------|--------------------------------|--|------------|
| 4273027/3/... ² | SAL 9 WŁN 1/1,5/1,7/5 EDGE-1 | 9 m | 10 W | 14 W | 3500 K | 1150 lm | 82 lm/W | B-71 / Z-71 | 45.3 kg |
| 4273027/6/... ² | SAL 9 WŁN 1/1,5/1,7/5 EDGE-1 | 9 m | 10 W | 14 W | 5000 K | 1150 lm | 82 lm/W | B-71 / Z-71 | 45.3 kg |
| 4273127/3/... ² | SAL 10 WŁN 1/1,5/2,7/5 EDGE-1 | 10 m | 10 W | 14 W | 3500 K | 1150 lm | 82 lm/W | B-71 / Z-71 | 47.4 kg |
| 4273127/6/... ² | SAL 10 WŁN 1/1,5/2,7/5 EDGE-1 | 10 m | 10 W | 14 W | 5000 K | 1150 lm | 82 lm/W | B-71 / Z-71 | 47.4 kg |
| 4273029/3/... ² | SAL 9 WŁN 1/1,5/1,7/5 EDGE-2 | 9 m | 20 W | 26 W | 3500 K | 2350 lm | 90 lm/W | B-71 / Z-71 | 45.3 kg |
| 4273029/6/... ² | SAL 9 WŁN 1/1,5/1,7/5 EDGE-2 | 9 m | 20 W | 26 W | 5000 K | 2350 lm | 90 lm/W | B-71 / Z-71 | 45.3 kg |
| 4273129/3/... ² | SAL 10 WŁN 1/1,5/2,7/5 EDGE-2 | 10 m | 20 W | 26 W | 3500 K | 2350 lm | 90 lm/W | B-71 / Z-71 | 47.4 kg |
| 4273129/6/... ² | SAL 10 WŁN 1/1,5/2,7/5 EDGE-2 | 10 m | 20 W | 26 W | 5000 K | 2350 lm | 90 lm/W | B-71 / Z-71 | 47.4 kg |

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

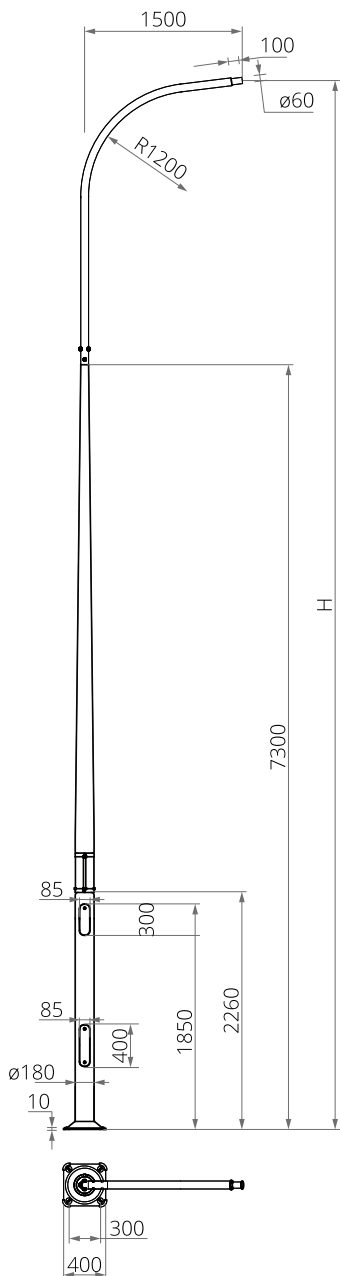
DIRECTIVES AND STANDARDS

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

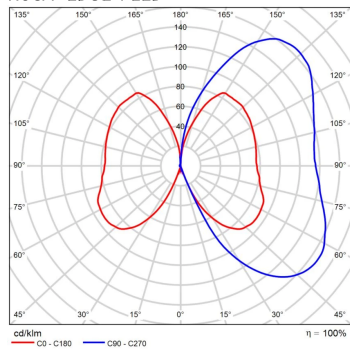
Lighting parameters presented based on laboratory tests according to IESNA LM-79-19

TECHNICAL DRAWING

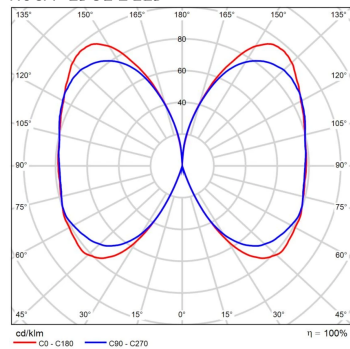


PHOTOMETRIC CURVES

ROSA - EDGE-1 LED



ROSA - EDGE-2 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,

EDGE-1 LED



Colour: green
Code: **4273127/G**



Colour: blue
Code: **4273127/B**



Colour: red
Code: **4273127/R**

EDGE-2 LED



Colour: green
Code: **4273129/G/G**



Colour: blue
Code: **4273129/B/B**



Colour: red
Code: **4273129/R/R**



Colour 1 Colour 2
Available colours:
R – red
G – green
B – blue
6 – white 5000 K
3 – white 3500 K



Colour: green/red
Code: **4273129/G/G**



Colour: blue/red
Code: **4273129/B/B**



Colour: white/red
Code: **4273129/R/R**

SAL 10 WLN 1/1,5/2,7/5 EDGE-1
Code: **4273127**/colour 1
SAL 10 WLN 1/1,5/2,7/5 EDGE-2
Code: **4273129**/colour 2

ACCEPTABLE HEIGHT

| EDGE LED | Acceptable height of the LED lighting set | | | |
|----------|---|--|------------------------|---|
| | 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 | 10 | 10 | 9 | - |
| II | 11 | 10 | 10 | 9 |
| III | 11 | 11 | 11 | 10 |
| IV | 11 | 11 | 11 | 10 |