



TECHNICAL DATA

Application	residential roads (internal), parks, pedestrians
Colour	graphite / inox
Ingress protection	IP 66 for the optical part and IP 54 for the driver
Optical system	PMMA optics, interchangeable LED module
Material	anodised aluminium alloy, diffuser – tempered glass
Unit volume	1,7 m ³
Expected useful lifetime	L90B10 - 100 000 h
CRI	>70
Inrush current	36 A / 280 μs (DROP II LED 36) 86 A / 260 μs (DROP II LED 48)
Input voltage frequency	50/60Hz
Power factor	≥0.95
Number of LED	2x16
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 flux ¹	Luminaire luminous flux ¹	Luminous efficacy ¹	Net weight
215132/1/... ²	DROP II LED 2 x 36	5.2 m	36 W x 2	39 W x 2	375 mA	2700 K	6200 lm x 2	5150 lm x 2	132 lm/W	34.9 kg
215132/3/... ²	DROP II LED 2 x 36	5.2 m	36 W x 2	39 W x 2	375 mA	3500 K	6500 lm x 2	5400 lm x 2	138 lm/W	34.9 kg
215132/4/... ²	DROP II LED 2 x 36	5.2 m	36 W x 2	39 W x 2	375 mA	4000 K	6650 lm x 2	5500 lm x 2	141 lm/W	34.9 kg
215132/6/... ²	DROP II LED 2 x 36	5.2 m	36 W x 2	39 W x 2	375 mA	5000 K	6550 lm x 2	5450 lm x 2	140 lm/W	34.9 kg
215133/1/... ²	DROP II LED 2 x 48	5.2 m	48 W x 2	54 W x 2	500 mA	2700 K	7950 lm x 2	6600 lm x 2	122 lm/W	35.5 kg
215133/3/... ²	DROP II LED 2 x 48	5.2 m	48 W x 2	54 W x 2	500 mA	3500 K	8300 lm x 2	6900 lm x 2	128 lm/W	35.5 kg
215133/4/... ²	DROP II LED 2 x 48	5.2 m	48 W x 2	55 W x 2	500 mA	4000 K	8550 lm x 2	7100 lm x 2	131 lm/W	35.5 kg
215133/6/... ²	DROP II LED 2 x 48	5.2 m	48 W x 2	54 W x 2	500 mA	5000 K	8450 lm x 2	7000 lm x 2	130 lm/W	35.5 kg

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

2) symbol of chosen optical system eg. 215133/6/A is DROP II LED 2 x 48 5000K with asymmetric optical system

DIRECTIVES AND STANDARDS

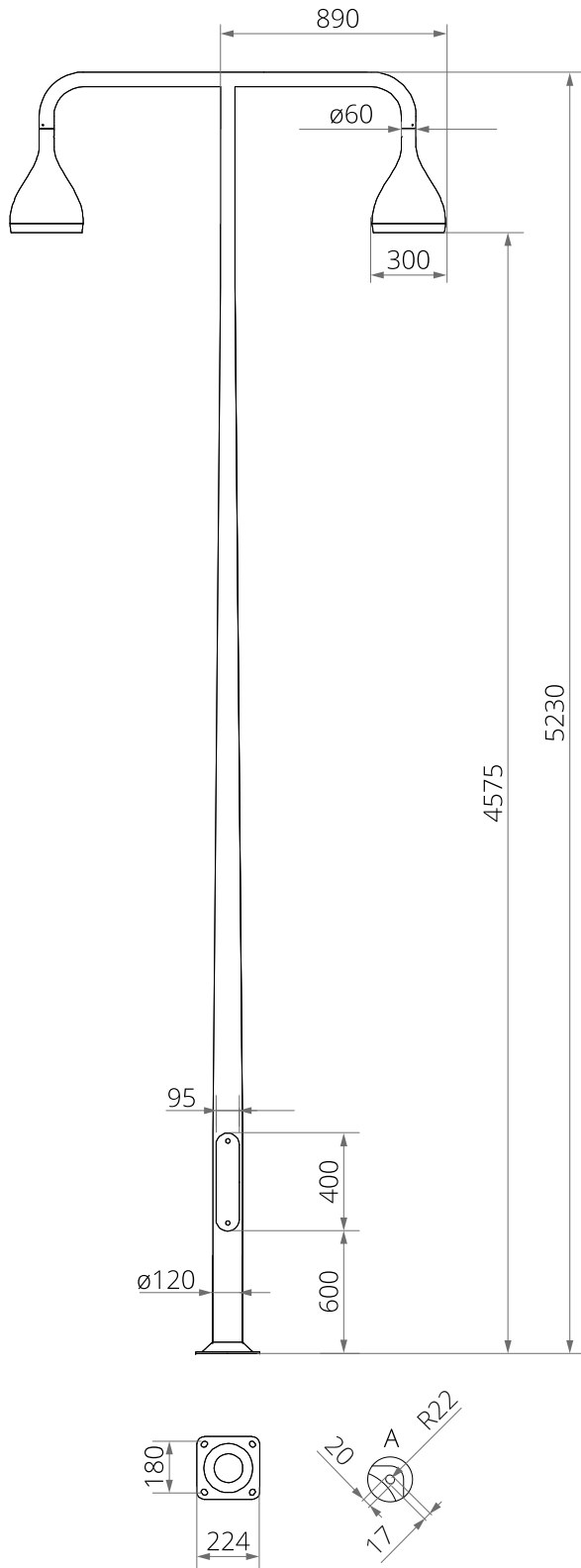
DIRECTIVES: 2014/35/UE (Official Journal of the UE L 96/357 29.03.2014), 2014/30/UE (Official Journal of the UE L 96/79 29.03.2014), 2011/65/UE RoHS (Official Journal of the UE L 174/88 01.07.2011), 2009/125/EC (Official Journal of the UE L 285/10 31.10.2009)

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

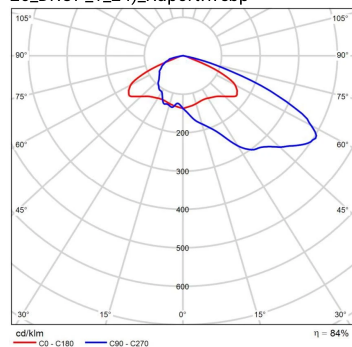
DROP II LED

TECHNICAL DRAWING

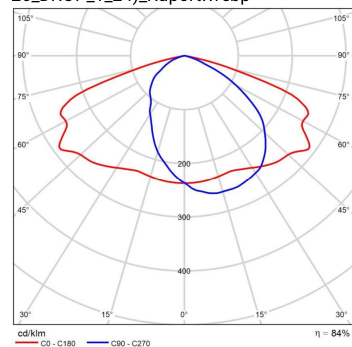


PHOTOMETRIC CURVES

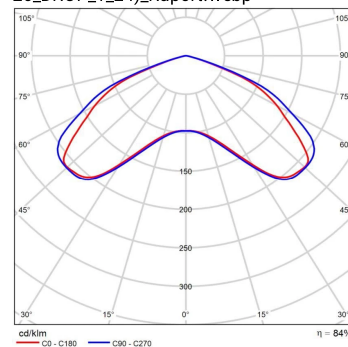
ROSA - Drop LED 24W 2700K T4 (1x 26_DROP_1_24)_Raport.webp



ROSA - Drop LED 24W 2700K DW (1x 26_DROP_1_24)_Raport.webp



ROSA - Drop LED 24W 2700K VS (1x 26_DROP_1_24)_Raport.webp



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,

ACCEPTABLE QUANTITY OF LUMINAIRES ON ONE CIRCUIT

Overcurrent switches MCB type B or C

Lighting sets	Type	2A	4A	6A	10A	16A	20A	25A
DROP II LED 36W	B	1	3	5	8	13	16	20
	C	1	5	8	13	22	27	33
DROP II LED 48W	B	0	1	2	3	5	6	7
	C	0	2	3	5	8	10	13

Fuse – type gG and GL

Lighting sets	2A	4A	6A	10A	16A	20A	25A
DROP II LED 36W	0	5	9	12	25	34	48
DROP II LED 48W	0	2	4	5	11	15	22

ACCEPTABLE HEIGHT

DROP II 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	-	-
II	5,2	5,2	5,2	-
III	5,2	5,2	5,2	5,2
IV	5,2	5,2	5,2	5,2