

TECHNICAL DATA

Application	residential roads (internal), surrounding office buildings, parks, pedestrians
Colour	graphite / black
Ingress protection	IP 66 for the optical part and the driver
Optical system	PMMA optics, interchangeable LED module
Material	anodised aluminium alloy
Expected useful lifetime	L90B10 - 100 000 h
CRI	>70
Input voltage frequency	50/60Hz
Power factor	≥0.95
Number of LED	12 - 24 W, 24 - 48 W
Control system	LED lighting set has the possibility to connect to an external control system via DALI interface (optionally via analog signal 1-10V).

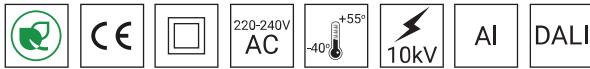


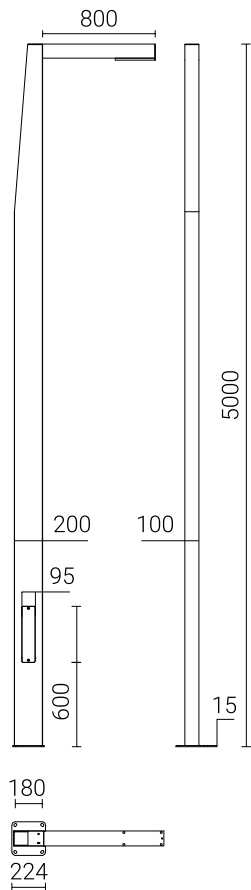
TABLE OF TYPES

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	Unit volume	Concrete footing / reinforcement basket type	Concrete footing / reinforcement basket code	Net weight
216530/1/... ²	CORE LED 24	5 m	24 W	28 W	700 mA	2700 K	4050 lm	2950 lm	105 lm/W	1.25 m ³	B-50 / Z-50	311150 / 311205	42 kg
216530/3/... ²	CORE LED 24	5 m	24 W	28 W	700 mA	3500 K	4350 lm	3150 lm	113 lm/W	1.25 m ³	B-50 / Z-50	311150 / 311205	42 kg
216530/4/... ²	CORE LED 24	5 m	24 W	28 W	700 mA	4000 K	4550 lm	3350 lm	120 lm/W	1.75 m ³	B-50 / Z-50	311150 / 311205	42 kg
216530/6/... ²	CORE LED 24	5 m	24 W	28 W	700 mA	5000 K	4550 lm	3350 lm	120 lm/W	1.25 m ³	B-50 / Z-50	311150 / 311205	42 kg
216533/1/... ²	CORE LED 48	5 m	48 W	55 W	700 mA	2700 K	8150 lm	5950 lm	108 lm/W	1.25 m ³	B-50 / Z-50	311150 / 311205	42 kg
216533/3/... ²	CORE LED 48	5 m	48 W	55 W	700 mA	3500 K	8650 lm	6300 lm	115 lm/W	1.75 m ³	B-50 / Z-50	311150 / 311205	42 kg
216533/4/... ²	CORE LED 48	5 m	48 W	55 W	700 mA	4000 K	9150 lm	6700 lm	122 lm/W	1.25 m ³	B-50 / Z-50	311150 / 311205	42 kg
216533/6/... ²	CORE LED 48	5 m	48 W	55 W	700 mA	5000 K	9150 lm	6700 lm	122 lm/W	1.25 m ³	B-50 / Z-50	311150 / 311205	42 kg

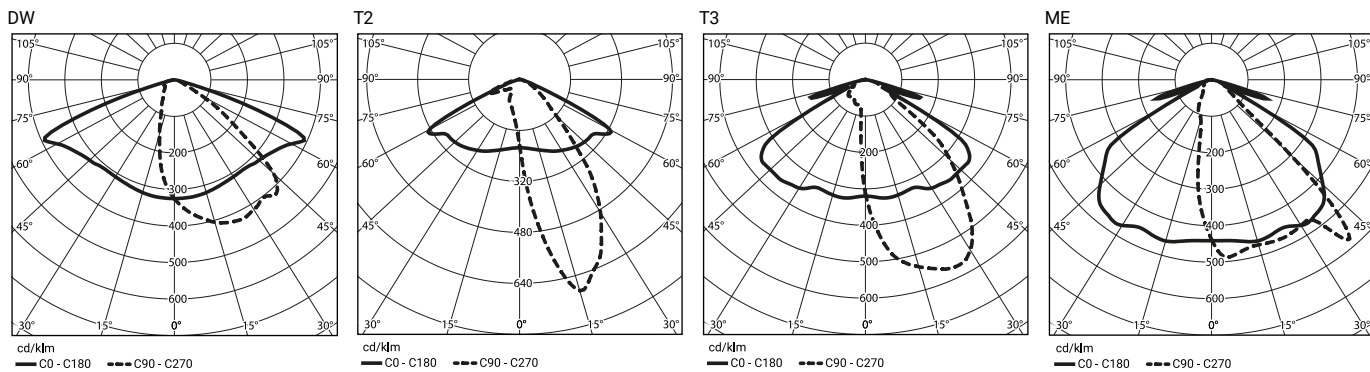
1) tolerance +/- 5% due to LEDs accuracy

2) symbol of chosen optical system eg. 216530/6/T2 is CORE LED 24 5000K with T2 optical system

TECHNICAL DRAWING



PHOTOMETRIC CURVES



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,
- Temperature protection of LED module (from overheating) in case of unintentional luminaire operation during the,
- Regulation of power / luminous flux – the option of setting another value than the catalogue in the range of 30-100% of nominal one,

Overcurrent switches MCB type B or C

Lighting set	Typ	2A	4A	6A	10A	16A	20A	25A
CORE LED 24W	B	3	6	10	16	26	32	40
	C	3	10	16	27	44	54	67
CORE LED 48W	B	1	2	4	6	11	13	17
	C	1	4	6	11	18	22	28

Fuse – type gG and GL

Lighting set	2A	4A	6A	10A	16A	20A	25A
CORE LED 24W	1	10	19	25	50	68	97
CORE LED 48W	0	4	8	11	21	29	42

ACCEPTABLE HEIGHT

CORE 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	6	5,5	5	4,5
II	6	6	5,5	5
III	6	6	6	5,5
IV	6	6	6	6