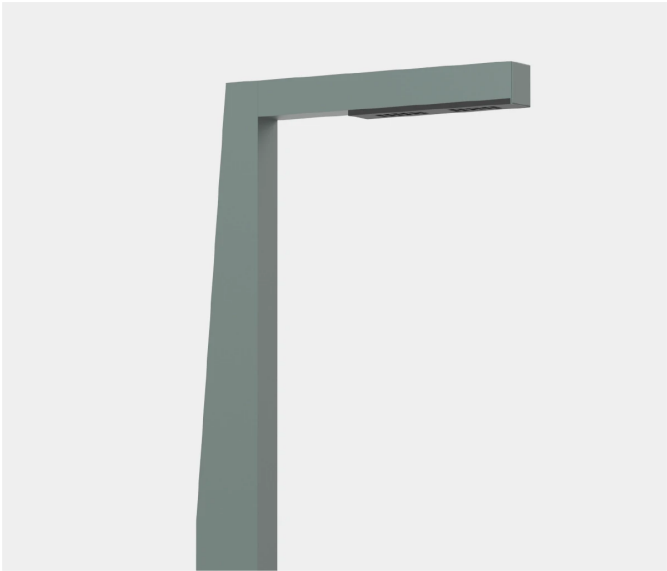
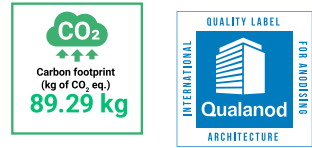


TECHNICAL DATA

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
Unit volume	1.75 m³
Expected useful lifetime	L90B10 - 100 000 h
CRI	>70
Inrush current	18 A / 280 µs (CORE LED 24) 46 A / 250 µs (CORE LED 48)
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
216530/6/...²	CORE LED 24	5 m	24 W	28 W	700 mA	5000 K	4550 lm	3350 lm	120 lm/W	B-50 / Z-50	42 kg

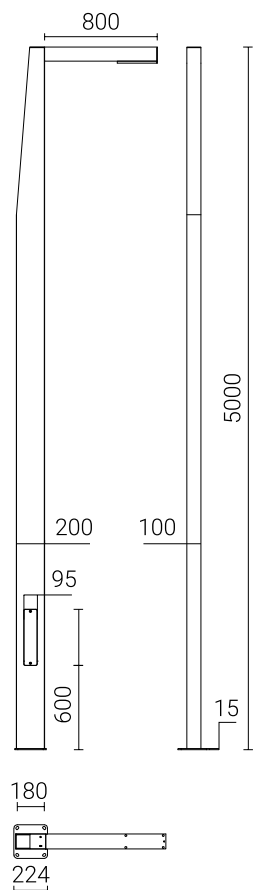
1) tolerance +/- 5% due to LEDs accuracy
2) symbol of chosen optical system eg. 216530/6/T2 is CORE LED 24 5000K with T2 optical system

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

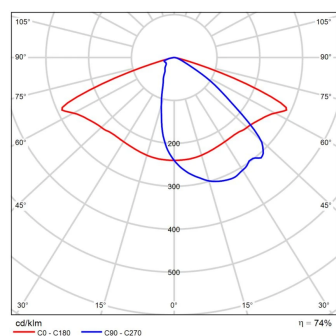
Lighting parameters presented based on laboratory tests according to IESNA LM-79-19

TECHNICAL DRAWING

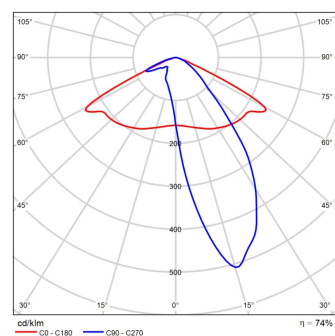


PHOTOMETRIC CURVES

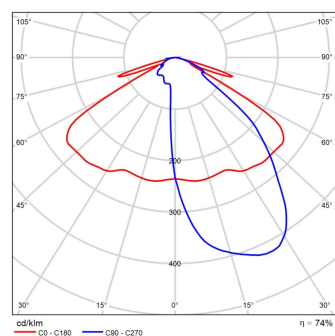
DW



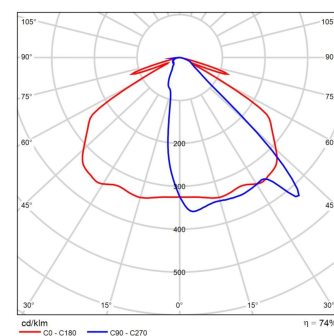
T2



T3



ME



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 set	Type	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			
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	6	5,5	5	4,5
II	6	6	5,5	5
III	6	6	6	5,5
IV	6	6	6	6