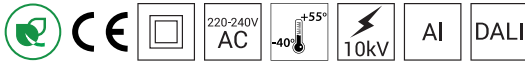


SNAKE II LED



Application: pedestrians, bicycle routes, urban roads, residential roads (internal), parks, surrounding office buildings, parkings

Ingress protection: IP 66 for the optical part and the driver

Material: anodised aluminium alloy

Colour: inox / black

Optical system: PMMA optics

Number of LEDs: 12 for 24W, 36W

Operating temperature range: from -40°C to +55°C

Expected useful lifetime: L90F10 - 50 000 h, L80F20 - 100000 h

CRI: >70 for 5000K, 4000K; >80 for 3500K

Corrective factor S/P: 1,8 for 5000K; 1,45 for 3500K; 1,55 for 4000K

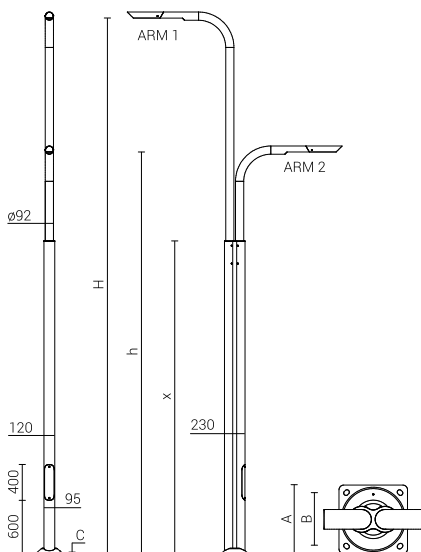
Input voltage frequency: 50 - 60Hz

Power factor: ≥ 0.95

Inrush current: : 42A / 225 μ s

Luminaire SNAKE II LED has the possibility to connect to an external control system via DALI interface (optionally via analog signal 1- 10V).

Symbol	Height [H]	Dimension of the base plate (side [A]/ bolt spacing [B]/ thickness [C])	Concrete footing / reinforcement basket type	Concrete footing / reinforcement basket code	Fasteners	Net weight	Approximate unit volume
SNAKE II LED	4,0m	320 / 250 / 10	B-60 / Z-60	311160 / 311206	4008	42kg	0,70m ³
SNAKE II LED	4,5m	320 / 250 / 10	B-60 / Z-60	311160 / 311206	4008	47kg	0,76m ³
SNAKE II LED	5,0m	320 / 250 / 10	B-60 / Z-60	311160 / 311206	4008	52kg	0,81m ³
SNAKE II LED	5,5m	320 / 250 / 10	B-60 / Z-60	311160 / 311206	4008	57kg	0,87m ³
SNAKE II LED	6,0m	320 / 250 / 10	B-60 / Z-60	311160 / 311206	4008	63kg	0,94m ³
SNAKE II LED	6,5m	400 / 300 / 10	B-70, B-71 / Z-70, Z71	311170, 311171 / 311207, 311271	4012	67kg	1,01m ³
SNAKE II LED	7,0m	400 / 300 / 10	B-70, B-71 / Z-70, Z71	311170, 311171 / 311207, 311271	4012	72kg	1,06m ³
SNAKE II LED	7,5m	400 / 300 / 12	B-70, B-71 / Z-70, Z71	311170, 311171 / 311207, 311271	4012	77kg	1,12m ³
SNAKE II LED	8,0m	400 / 300 / 12	B-70, B-71 / Z-70, Z71	311170, 311171 / 311207, 311271	4012	82kg	1,20m ³



Order code

2160140/32/3/T3/30/4/T2

Arm height #1 - H

40 = 4,0m
50 = 5,0m
60 = 6,0m
70 = 7,0m
80 = 8,0m

Arm height #2 - h

40 = 4,0m
50 = 5,0m
60 = 6,0m
70 = 7,0m
80 = 8,0m

Arm power variant #1

for example 32/3/T3 = arm SNAKE II LED 36 3500K with optics T3

Arm power variant #2

for example 30/4/T2 = arm SNAKE II LED 24 4000K with optics T2

SNAKE II LED

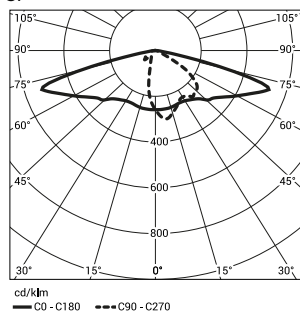
Code	Symbol	LED power	Luminaire Power consumption	LED forward current	Colour temperature (CCT)	LEDs luminous flux ²⁾	Luminaire luminous flux ²⁾	Luminous efficacy
30/3/... ¹⁾	SNAKE II LED 24	24W	29W	700mA	3500K	3 300lm	3200lm	110lm/W
30/4/... ¹⁾	SNAKE II LED 24	24W	29W	700mA	4000K	3 750lm	3500lm	122lm/W
30/6/... ¹⁾	SNAKE II LED 24	24W	29W	700mA	5000K	3 950lm	3800lm	130lm/W
32/3/... ¹⁾	SNAKE II LED 36	36W	40W	1000mA	3500K	4 750lm	4400lm	110lm/W
32/4/... ¹⁾	SNAKE II LED 36	36W	40W	1000mA	4000K	5 250lm	4700lm	118lm/W
32/6/... ¹⁾	SNAKE II LED 36	36W	40W	1000mA	5000K	5 450lm	4900lm	123lm/W

1) symbol of chosen optical system eg. 30/6/T2 is a bracket SNAKE II LED 24 with T2 optical system, 5000K

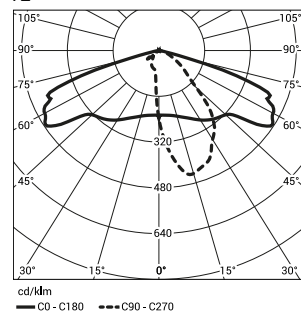
2) tolerance +/- 3% due to LEDs accuracy

Directive: 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, 2009/125/EC

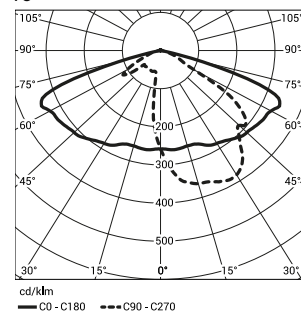
SP



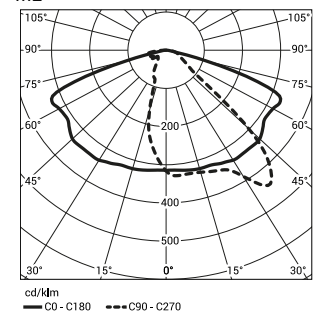
T2



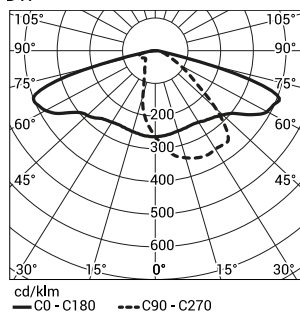
T3



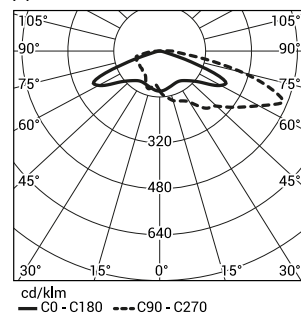
ME



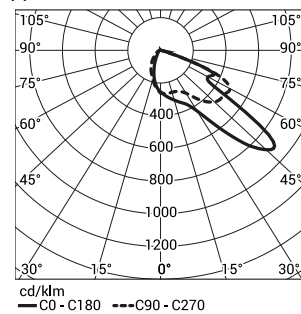
DW



T4



PP



SNAKE II LED 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,

Acceptable quantity of luminaires SNAKE II LED on one circuit, protected by:

Overcurrent switches MCB type B or C

Luminaire	Type	2A	4A	6A	10A	16A	20A	25A
SNAKE LED	B	1	2	5	8	13	16	20
	C	1	5	7	13	22	27	33

Fuse – type gG and GL

Luminaire	2A	4A	6A	10A	16A	20A	25A
SNAKE LED	2	4	7	12	19	25	31