



TECHNICAL DATA

Anodising	10 colours
Diffuser	frosted (PMMA)
Application	surrounding office buildings, parks, pedestrians
Ingress protection	IP 65 for the optical part and the driver
Material	anodised aluminium alloy
Expected useful lifetime	L90B10 - 100 000 h
CRI	>70
Input voltage frequency	50/60Hz
Number of LED	16 (KARIN 2400 LED) 24 (KARIN 3600 LED, KARIN 4800 LED)
Control system	Luminaire has the possibility to connect to an external control system via analog signal 1- 10V.

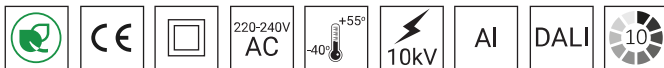
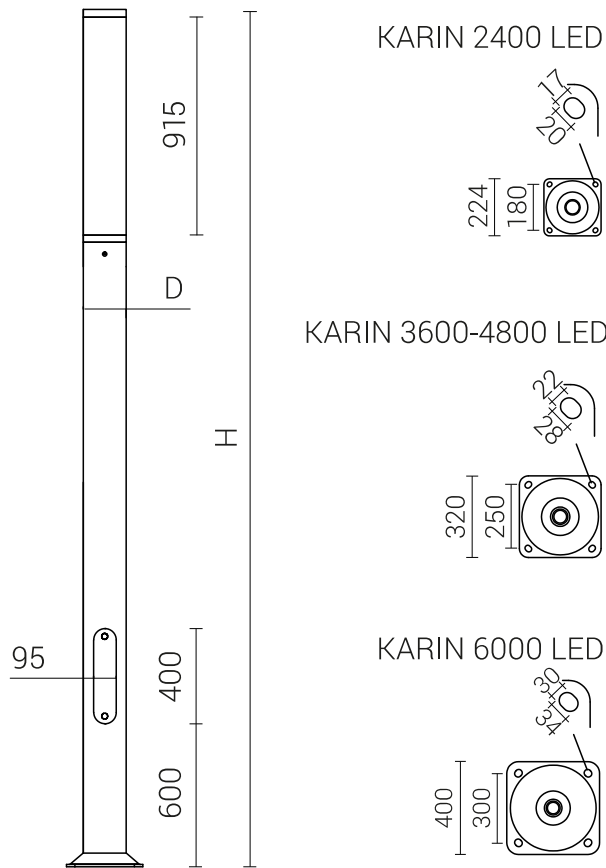


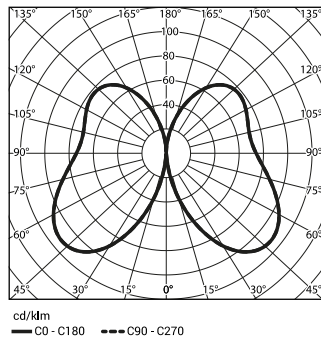
TABLE OF TYPES

Code	Symbol	Height of the column [H]	LED power	Luminaire power consumption	LED forward current	Colour temperature (CCT)	Luminaire luminous flux ¹	Luminous efficacy ¹	Concrete footing / reinforcement [D] basket type	Diameter	Net weight
45240/1/C...	KARIN 2400 LED 32W	2 400 mm	32 W	38 W	700 mA	2700 K	2850 lm	75 lm/W	B-50 / Z-50	150 mm	12 kg
45240/3/C...	KARIN 2400 LED 32W	2 400 mm	32 W	38 W	700 mA	3500 K	2950 lm	78 lm/W	B-50 / Z-50	150 mm	12 kg
45240/4/C...	KARIN 2400 LED 32W	2 400 mm	32 W	38 W	700 mA	4000 K	3450 lm	91 lm/W	B-50 / Z-50	150 mm	12 kg
45240/6/C...	KARIN 2400 LED 32W	2 400 mm	32 W	38 W	700 mA	5000 K	3450 lm	91 lm/W	B-50 / Z-50	150 mm	12 kg
45250/1/C...	KARIN 3600 LED 48W	3 600 mm	48 W	55 W	700 mA	2700 K	4250 lm	77 lm/W	B-60 / Z-60	180 mm	26 kg
45250/3/C...	KARIN 3600 LED 48W	3 600 mm	48 W	55 W	700 mA	3500 K	4450 lm	81 lm/W	B-60 / Z-60	180 mm	26 kg
45250/4/C...	KARIN 3600 LED 48W	3 600 mm	48 W	55 W	700 mA	4000 K	5200 lm	95 lm/W	B-60 / Z-60	180 mm	26 kg
45250/6/C...	KARIN 3600 LED 48W	3 600 mm	48 W	55 W	700 mA	5000 K	5200 lm	95 lm/W	B-60 / Z-60	180 mm	26 kg
45254/1/C...	KARIN 4800 LED 82W	4 800 mm	48 W	55 W	700 mA	2700 K	4250 lm	77 lm/W	B-60 / Z-60	180 mm	32 kg
45254/3/C...	KARIN 4800 LED 82W	4 800 mm	48 W	55 W	700 mA	3500 K	4450 lm	81 lm/W	B-60 / Z-60	180 mm	32 kg
45254/4/C...	KARIN 4800 LED 82W	4 800 mm	48 W	55 W	700 mA	4000 K	5200 lm	95 lm/W	B-60 / Z-60	180 mm	32 kg
45254/6/C...	KARIN 4800 LED 82W	4 800 mm	48 W	55 W	700 mA	5000 K	5200 lm	95 lm/W	B-60 / Z-60	180 mm	32 kg
45270/1/M/...	KARIN 6000 LED 116W	6 000 mm	116 W	134 W	700 mA	2700 K	8350 lm	62 lm/W	B-71 / Z-71	300 mm	70 kg
45270/3/M/...	KARIN 6000 LED 116W	6 000 mm	116 W	134 W	700 mA	3500 K	8750 lm	65 lm/W	B-71 / Z-71	300 mm	70 kg
45270/4/M/...	KARIN 6000 LED 116W	6 000 mm	116 W	134 W	700 mA	4000 K	10250 lm	77 lm/W	B-71 / Z-71	300 mm	70 kg
45270/6/M/...	KARIN 6000 LED 116W	6 000 mm	116 W	134 W	700 mA	5000 K	10250 lm	77 lm/W	B-71 / Z-71	300 mm	70 kg

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



KARIN LED 2400-6000



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 columns	Typ	2A	4A	6A	10A	16A	20A	25A
KARIN LED 2400-3600	B	1	2	4	6	10	12	15
	C	1	4	6	10	17	20	26
KARIN LED 4800-6000	B	1	2	3	5	8	10	12
	C	1	3	5	8	13	16	20

Fuse – type gG and GL

Lighting columns	2A	4A	6A	10A	16A	20A	25A
KARIN LED 2400-3600	0	4	8	11	22	31	44
KARIN LED 4800-6000	0	3	6	8	17	23	33