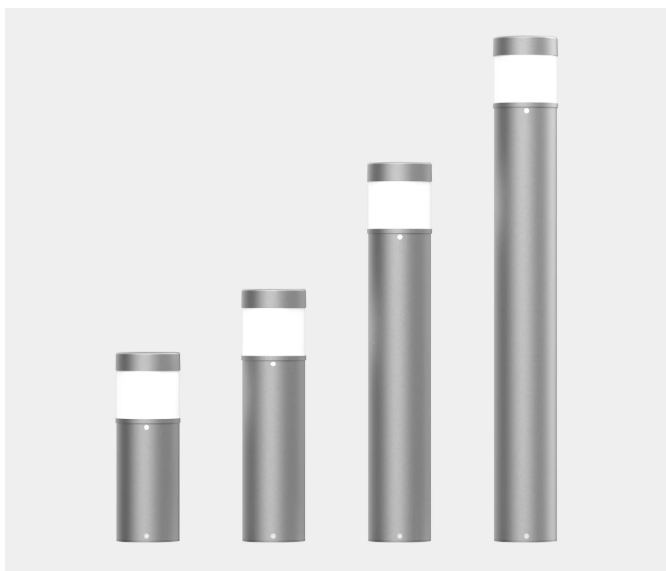


KARIN 450-1200 LED



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
Inrush current	70 A / 220 µs
Input voltage frequency	50/60Hz
Number of LED	8
Diameter D	150 mm

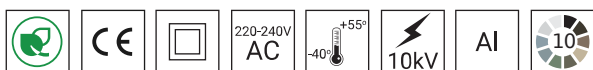


TABLE OF VARIANTS

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	Concrete footing / reinforcement basket type	Net weight
452008/1/C...	KARIN 450 LED 8	455 mm	8 W	12 W	350 mA	2700 K	1450 lm	950 lm	79 lm/W	B-0 / Z-0	3 kg
452008/3/C...	KARIN 450 LED 8	455 mm	8 W	12 W	350 mA	3500 K	1550 lm	1000 lm	83 lm/W	B-0 / Z-0	3 kg
452008/4/C...	KARIN 450 LED 8	455 mm	8 W	12 W	350 mA	4000 K	1650 lm	1050 lm	88 lm/W	B-0 / Z-0	3 kg
452008/6/C...	KARIN 450 LED 8	455 mm	8 W	12 W	350 mA	5000 K	1650 lm	1050 lm	88 lm/W	B-0 / Z-0	3 kg
45200/1/C...	KARIN 450 LED 16	455 mm	16 W	20 W	700 mA	2700 K	2700 lm	1700 lm	85 lm/W	B-0 / Z-0	3 kg
45200/3/C...	KARIN 450 LED 16	455 mm	16 W	20 W	700 mA	3500 K	2850 lm	1850 lm	93 lm/W	B-0 / Z-0	3 kg
45200/4/C...	KARIN 450 LED 16	455 mm	16 W	20 W	700 mA	4000 K	3050 lm	1950 lm	98 lm/W	B-0 / Z-0	3 kg
45200/6/C...	KARIN 450 LED 16	455 mm	16 W	20 W	700 mA	5000 K	3050 lm	1950 lm	98 lm/W	B-0 / Z-0	3 kg
452108/1/C...	KARIN 600 LED 8	575 mm	8 W	12 W	350 mA	2700 K	1450 lm	950 lm	79 lm/W	B-0 / Z-0	3.5 kg
452108/3/C...	KARIN 600 LED 8	575 mm	8 W	12 W	350 mA	3500 K	1550 lm	1000 lm	83 lm/W	B-0 / Z-0	3.5 kg
452108/4/C...	KARIN 600 LED 8	575 mm	8 W	12 W	350 mA	4000 K	1650 lm	1050 lm	88 lm/W	B-0 / Z-0	3.5 kg
452108/6/C...	KARIN 600 LED 8	575 mm	8 W	12 W	350 mA	5000 K	1650 lm	1050 lm	88 lm/W	B-0 / Z-0	3.5 kg
45210/1/C...	KARIN 600 LED 16	575 mm	16 W	20 W	700 mA	2700 K	2700 lm	1700 lm	85 lm/W	B-0 / Z-0	3.5 kg
45210/3/C...	KARIN 600 LED 16	575 mm	16 W	20 W	700 mA	3500 K	2850 lm	1850 lm	93 lm/W	B-0 / Z-0	3.5 kg
45210/4/C...	KARIN 600 LED 16	575 mm	16 W	20 W	700 mA	4000 K	3050 lm	1950 lm	98 lm/W	B-0 / Z-0	3.5 kg
45210/6/C...	KARIN 600 LED 16	575 mm	16 W	20 W	700 mA	5000 K	3050 lm	1950 lm	98 lm/W	B-0 / Z-0	3.5 kg
452208/1/C...	KARIN 900 LED 8	875 mm	8 W	12 W	350 mA	2700 K	1450 lm	950 lm	79 lm/W	B-0 / Z-0	4.2 kg
452208/3/C...	KARIN 900 LED 8	875 mm	8 W	12 W	350 mA	3500 K	1550 lm	1000 lm	83 lm/W	B-0 / Z-0	4.2 kg
452208/4/C...	KARIN 900 LED 8	875 mm	8 W	12 W	350 mA	4000 K	1650 lm	1050 lm	88 lm/W	B-0 / Z-0	4.2 kg
452208/6/C...	KARIN 900 LED 8	875 mm	8 W	12 W	350 mA	5000 K	1650 lm	1050 lm	88 lm/W	B-0 / Z-0	4.2 kg
45220/1/C...	KARIN 900 LED 16	875 mm	16 W	20 W	700 mA	2700 K	2700 lm	1700 lm	85 lm/W	B-0 / Z-0	4.2 kg
45220/3/C...	KARIN 900 LED 16	875 mm	16 W	20 W	700 mA	3500 K	2850 lm	1850 lm	93 lm/W	B-0 / Z-0	4.2 kg
45220/4/C...	KARIN 900 LED 16	875 mm	16 W	20 W	700 mA	4000 K	3050 lm	1950 lm	98 lm/W	B-0 / Z-0	4.2 kg
45220/6/C...	KARIN 900 LED 16	875 mm	16 W	20 W	700 mA	5000 K	3050 lm	1950 lm	98 lm/W	B-0 / Z-0	4.2 kg
452308/1/C...	KARIN 1200 LED 8	1 175 mm	8 W	12 W	350 mA	2700 K	1450 lm	950 lm	79 lm/W	B-0A / Z-0A	5.5 kg
452308/3/C...	KARIN 1200 LED 8	1 175 mm	8 W	12 W	350 mA	3500 K	1550 lm	1000 lm	83 lm/W	B-0A / Z-0A	5.5 kg
452308/4/C...	KARIN 1200 LED 8	1 175 mm	8 W	12 W	350 mA	4000 K	1650 lm	1050 lm	88 lm/W	B-0A / Z-0A	5.5 kg
452308/6/C...	KARIN 1200 LED 8	1 175 mm	8 W	12 W	350 mA	5000 K	1650 lm	1050 lm	88 lm/W	B-0A / Z-0A	5.5 kg
45230/1/C...	KARIN 1200 LED 16	1 175 mm	16 W	20 W	700 mA	2700 K	2700 lm	1700 lm	85 lm/W	B-0A / Z-0A	5.5 kg
45230/3/C...	KARIN 1200 LED 16	1 175 mm	16 W	20 W	700 mA	3500 K	2850 lm	1850 lm	93 lm/W	B-0A / Z-0A	5.5 kg
45230/4/C...	KARIN 1200 LED 16	1 175 mm	16 W	20 W	700 mA	4000 K	3050 lm	1950 lm	98 lm/W	B-0A / Z-0A	5.5 kg
45230/6/C...	KARIN 1200 LED 16	1 175 mm	16 W	20 W	700 mA	5000 K	3050 lm	1950 lm	98 lm/W	B-0A / Z-0A	5.5 kg

Updated at: 29-10-2025

Zakład Produkcji Sprzętu Oświetleniowego „ROSA” Sp. z o.o.
43-109 Tychy, ul. Strefowa 1 tel. +48 32 73 88 901
www.rosa.pl

KARIN 450-1200 LED



452328/1/C...	KARIN 1200W LED 8	1 175 mm	8 W	12 W	350 mA	2700 K	1450 lm	950 lm	79 lm/W	B-0A / Z-0A	6.8 kg
452328/3/C...	KARIN 1200W LED 8	1 175 mm	8 W	12 W	350 mA	3500 K	1550 lm	1000 lm	83 lm/W	B-0A / Z-0A	6.8 kg
452328/4/C...	KARIN 1200W LED 8	1 175 mm	8 W	12 W	350 mA	4000 K	1650 lm	1050 lm	88 lm/W	B-0A / Z-0A	6.8 kg
452328/6/C...	KARIN 1200W LED 8	1 175 mm	8 W	12 W	350 mA	5000 K	1650 lm	1050 lm	88 lm/W	B-0A / Z-0A	6.8 kg
45232/1/C...	KARIN 1200W LED 16	1 175 mm	16 W	20 W	700 mA	2700 K	2700 lm	1700 lm	85 lm/W	B-0A / Z-0A	6.8 kg
45232/3/C...	KARIN 1200W LED 16	1 175 mm	16 W	20 W	700 mA	3500 K	2850 lm	1850 lm	93 lm/W	B-0A / Z-0A	6.8 kg
45232/4/C...	KARIN 1200W LED 16	1 175 mm	16 W	20 W	700 mA	4000 K	3050 lm	1950 lm	98 lm/W	B-0A / Z-0A	6.8 kg
45232/6/C...	KARIN 1200W LED 16	1 175 mm	16 W	20 W	700 mA	5000 K	3050 lm	1950 lm	98 lm/W	B-0A / Z-0A	6.8 kg

1) tolerance +/- 7% due to LEDs accuracy

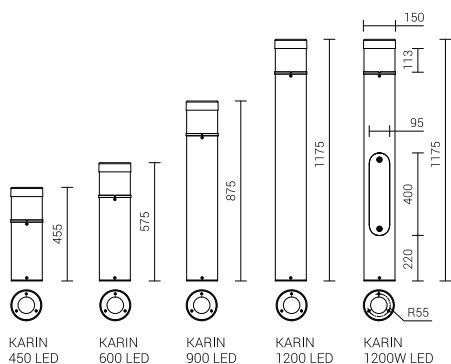
DIRECTIVES AND STANDARDS

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

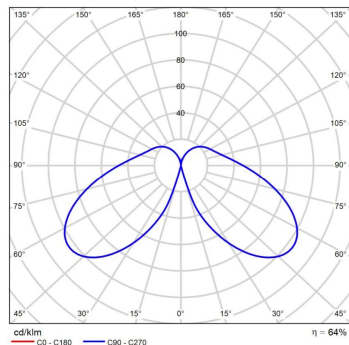
Lighting parameters presented based on laboratory tests according to IESNA LM-79-19

TECHNICAL DRAWING



PHOTOMETRIC CURVES

KARIN 450-1200 LED



ACCETABLE QUANTITY OF LUMINAIRES ON ONE CIRCUIT

Overcurrent switches MCB type B or C

Lighting columns	Typ	2A	4A	6A	10A	16A	20A	25A
KARIN 450-1200 LED	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 450-1200 LED	0	3	5	7	15	20	29