

SKVER LED PRO

GENERAL FAMILY CARD



LENA
LIGHTING

SKVER LED PRO

GENERAL FAMILY CARD



LED



220-240V
50/60Hz

IP66

IK10



Lena C5+

PARAMETRY TECHNICZNE

Ingress protection rating:	IP66
Impact resistance:	IK10
Rated power of the luminaire [W]:	3 - 175
Luminous flux of the luminaire [lm]:	300 - 31750
Color temperature [K]:	2200 - 6500
Color rendering index (Ra):	CRI >70, CRI >80, CRI >90
Protection class:	I i II
Optics:	More than 80 optical distributions
Control:	ON/OFF, IoT, DIM, DALI, RCR, autonomous power reduction
Housing color:	Black, or any color from the RAL palette
Luminous efficacy [lm/W]:	88 - 192
Energy efficiency class:	to A
Housing material:	Die-cast aluminum, powder-coated
Diffuser type:	transparent
Diffuser material:	Tempered glass
SDCM:	<4, <5
Socket type:	Optional connectors: Zhaga, NEMA 5/7-pin

CHARACTERISTICS



The new SKVER LED PRO family of park and street luminaires expands the SKVER LED PRO S portfolio, designed for applications requiring higher power, luminous flux, and various mounting options. It builds on the award-winning design and proven technical solutions, enhanced with new capabilities thanks to the innovative body construction. The luminaire was designed with modularity and flexibility in mind. Its consistent design allows for the use of additional elements, such as diffusers, top modules, or canopies, enabling the luminaire to be tailored to the vision of architects and designers—in line with SKVER CityDNA's bespoke philosophy.

Directional multi-lens matrices made of PMMA are used, ensuring stable light output characteristics in compliance with international standards. The luminaire's IP66-rated chamber allows tool-free access to the components via two clips, with the option of securing them with vandal-resistant screws.

Replacing the power and light module (ZhagaBook 13 and 15) is quick and does not require disassembling the luminaire. Maintenance can be performed off-site. The body and bracket, made of black powder-coated cast aluminum, feature IP66 and IK10 ratings and comply with ON/OFF, 1DIM, 2DIM, ASTRODIM, and DALI. As standard, the luminaire is equipped with a knife switch that cuts off the power supply if the electrical compartment is opened.

APPLICATION

Park and street lighting fixtures are a key element in the lighting design of public spaces, ensuring not only functionality but also aesthetics and safety. Their proper use can significantly improve the quality of life for residents and users of urban areas. You can use park and urban lighting fixtures in places such as parks, squares, walkways, public gardens, and streets—anywhere where lighting is needed to improve safety and enhance the aesthetics of the surroundings.

City parks: These fixtures highlight the natural beauty of the park during evening walks, picnics, and other recreational activities, while also increasing safety, preventing acts of vandalism, and encouraging people to spend more time outdoors. Public facilities: Installed in healthcare facilities, schools, shopping centers, or at bus stops, they make it easier for people to navigate these areas while providing a sense of security.

In public gardens, including botanical gardens, arboreta, and themed gardens, they highlight the beauty of the vegetation and garden architecture. Streets and sidewalks: They improve visibility on the road, which contributes to safety and better visibility for pedestrians and drivers. Recreational areas: On sports fields, playgrounds, and bike paths, they allow these areas to be used even after dark. Surroundings of public buildings: When used around city halls, libraries, or municipal offices, they highlight the unique architectural and historical features of these structures.

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4000K

Option	Type lampshade	LED	Module LED	Minimum luminaire power [W]	Maximum luminaire power [W]	Minimum luminous flux [lm]	Maximum luminous flux [lm]	Power factor	Minimum current through the diode [mA]	Maximum current per diode [mA]
PRO MF	Flat	32	2	3	24	775	3875	up to 0.99	70	390
	Flat	48	3	30	110	4600	18 500	up to 0.99	150	381
	Flat	64	4	25	163	3975	23 225	up to 1	50	450
	Flat	96	6	39	175	5925	31 750	up to 1	25	450

3000K

Option	Type lampshade	LED	Module LED	Minimum luminaire power [W]	Maximum luminaire power [W]	Minimum luminous flux [lm]	Maximum luminous flux [lm]	Power factor	Minimum current through the diode [mA]	Maximum current per diode [mA]
PRO MF	Flat	32	2	3	24	750	3700	up to 0.99	70	390
	Flat	64	4	25	163	3800	22 150	up to 1	50	450
	Flat	96	6	39	175	5650	30 300	up to 1	25	450

2700K

Option	Type lampshade	LED	Module LED	Minimum luminaire power [W]	Maximum luminaire power [W]	Minimum luminous flux [lm]	Maximum luminous flux [lm]	Power factor	Minimum current through the diode [mA]	Maximum current per diode [mA]
PRO MF	Flat	32	2	3	24	725	3575	up to 0.99	70	390
	Flat	64	4	25	163	3650	21 375	up to 1	50	450
	Flat	96	6	39	175	5450	29 200	up to 1	25	450

SKVER LED PRO

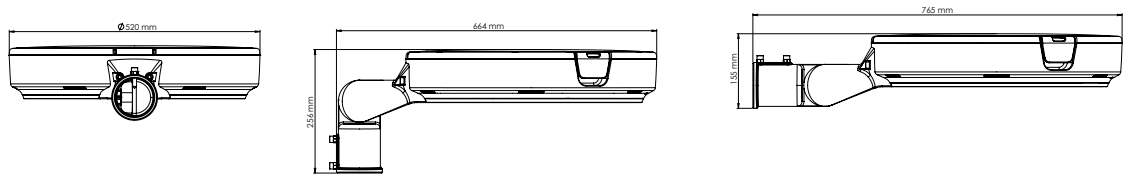
GENERAL FAMILY CARD

LENS VERSION

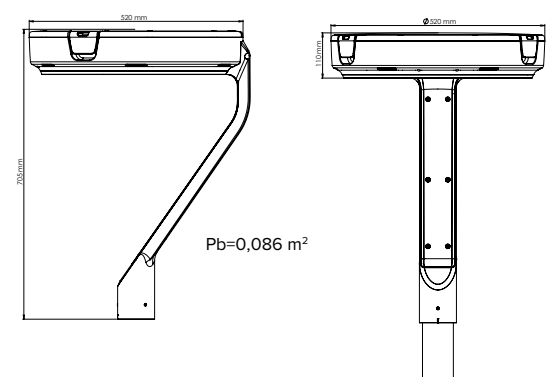
Color temperature	Minimum luminaire power [W]	Maximum luminaire power [W]	Minimum luminous flux [lm]	Maximum luminous flux [lm]
5700K	3	175	375	26 750
4000K	3	175	375	27 575
3000K	3	175	350	26 475
2700K	3	175	350	25 550
2400K	3	175	325	23 750
2200K	3	175	325	23 750

DIMENSIONS

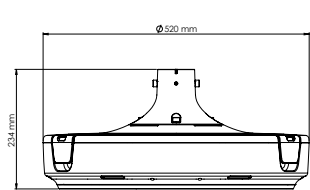
Skver Z1



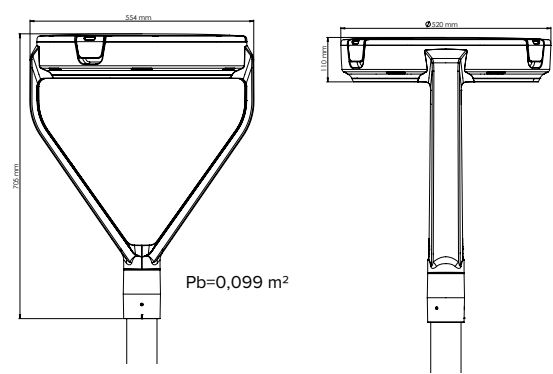
Skver Z2



Skver R



Skver V



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AVAILABLE ACCESSORIES

index	Name
449017	Drilling Template
804427	SKVER R male adapter, M20x40 thread (2.5 pitch)
804328	SKVER R male adapter, 3/4-inch x 40 thread (gas)
804434	SKVER R male adapter, 1-inch x 40 thread (gas)
804335	SKVER R female adapter, 3/4-inch x 40 thread (gas)
804441	SKVER R female adapter, 1-inch x 40 thread (gas)
804571	SKVER external adapter, 48 mm diameter
804588	SKVER external adapter, 60 mm diameter



Drill Jig (449017)



SKVER R Male Adapter
M20x40 thread (pitch 2.5) (804427)



SKVER R Male Adapter
3/4-inch x 40 thread (gas) (804328)



SKVER R Male Adapter
1-inch x 40 thread (gas) (804434)



SKVER R Female Adapter
3/4-inch x 40 thread (gas) (804335)



SKVER R Female Adapter
1-inch x 40 thread (gas) (804441)



SKVER R External Adapter, 48 mm (804571)



SKVER External Adapter, 60 mm (804588)

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GENERAL INFORMATION

Operating Temperature Range	-40 to +50
Electrical Protection Class	I and II
Color Temperature	2,200 - 6,500
CRI	CRI >70, CRI >80, CRI >90
ULOR	0
Luminous Flux Maintenance Over Time	L95B10 100,000 h
Warranty	5 years, 10 years, subject to individual arrangements
Control System	Available as an option
Photobiological Risk Group	RG0\RG1
McAdam Steps	<4, <5

MECHANICAL SPECIFICATIONS

Installation Method	Side-entry or post-top mounting
Adjustment Range	on a pole: +175° to -15° on a boom: +85° to -105° DarkSky*: +0° to -10°
Fixture Color	Black, optional any RAL color
Housing	Die-cast aluminum powder-coated
Optics	Over 80 available distribution options
IK	IK10
IP	IP65, IP66
Service Access	Tool-free access to the power supply compartment

ELECTRICAL SPECIFICATIONS

Power Factor	up to 0.99
Power Factor at 50%	up to 0.98
Power Supply Efficiency	230–240 VAC
Supply Voltage	202–254 VAC
AC Supply Voltage Range	186–250 VDC
Maximum Number of Fixtures per Circuit Breaker:	up to 42 units less than 20%
ESD	8/4 kV
EMC	In accordance with the following standards: EN 55015, EN 61000-3-2 EN 61000-3-3
Start-up current limit	yes
Surge protection	Class I - 10 kV Class II - 6 kV/10 kV additional up to 20 kV
Power regulation	10% - 100%
Other	motion sensor

CERTIFICATES AND TESTS

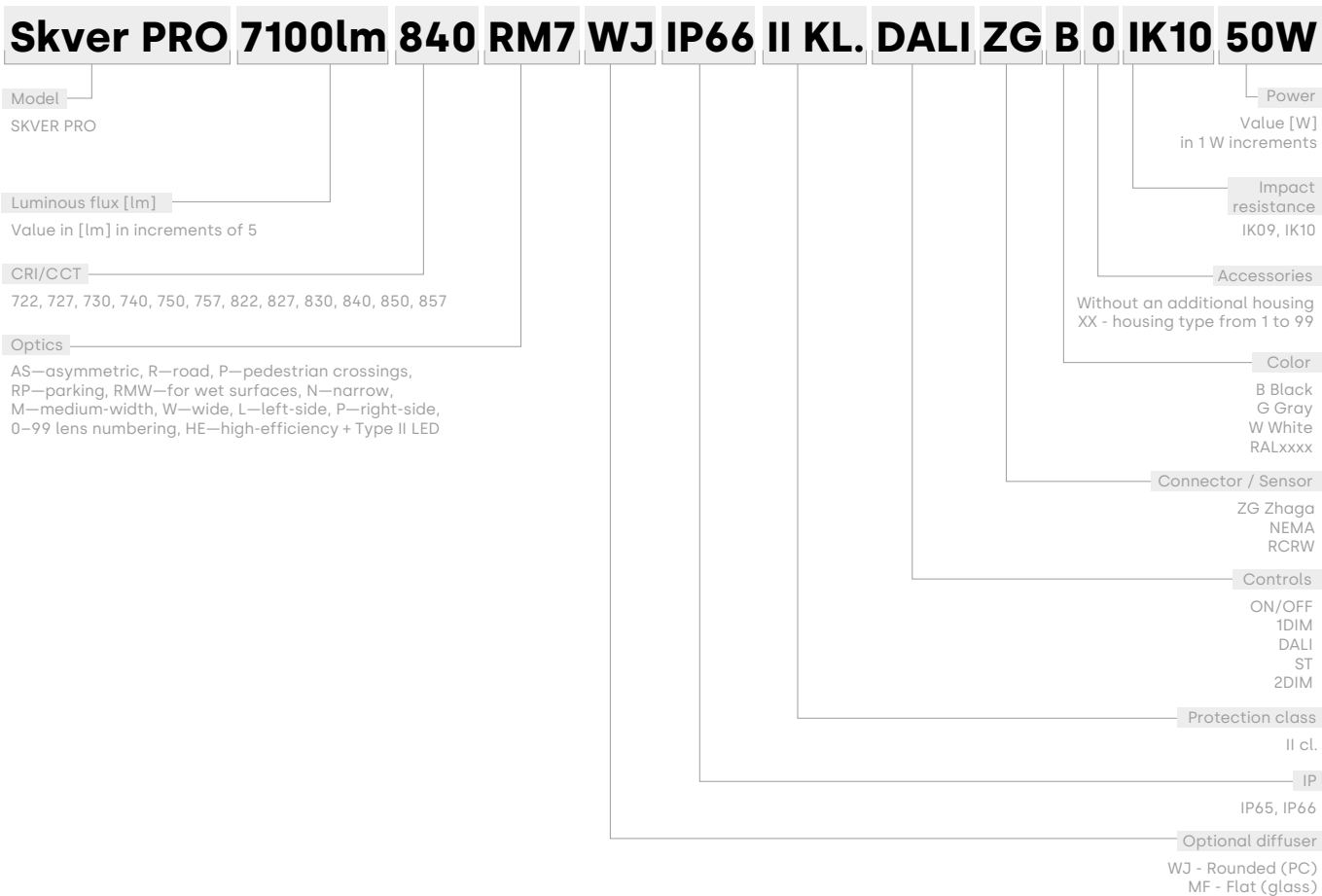
CE Mark	Yes
ENEC Certification	Yes
ENEC+ Certification	Yes
UL Certification	Yes
RoHS	Yes
Zhaga D4i	Yes
Vibration Testing	Yes
EPD	Yes
French law of December 27, 2018	Yes

ADDITIONAL INFORMATION

The optical and electrical compartments can be powder-coated; the unit can be equipped with a blade connector; it can be equipped with an additional cable with a quick-connect fitting; a vandal-resistant version equipped with stainless steel screws is available.

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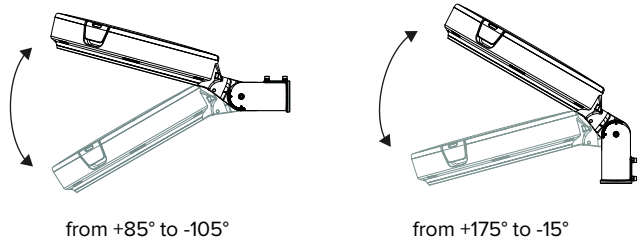
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ANGLE ADJUSTMENT



UNIQUE SPECIFICATIONS

IP66 IK10

APPLICATION AREAS

- lighting for highways, expressways, national roads, provincial roads, county roads, city streets, and residential streets
- lighting for parking lots, bike paths, crosswalks, sidewalks, and other outdoor areas, such as plazas or private properties
- lighting for non-public residential roads, construction sites, and other internal and private areas



AVAILABLE TECHNOLOGIES

Z4i Clue[®]

The SKVER LED PRO luminaire is compatible with the Zhaga-D4i standard, enabling easy integration with smart lighting control systems such as Clue City. Connecting to the system enables remote control, monitoring, and optimization of energy consumption. Thanks to dimming capabilities and real-time data analysis, it allows you to adjust the lighting to current needs, ensuring efficiency and cost savings.

Lena C5+

SKVER LED PRO is more than just ordinary lighting—it's a robust solution designed to meet the demands of industrial and marine environments (C5-M). The C5+ not only illuminates its surroundings but also effectively withstands the challenges of the marine environment. This is confirmed by 1,500 hours of testing under harsh environmental conditions in accordance with international standards.

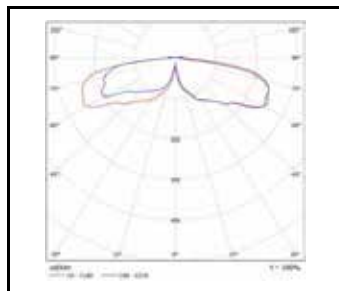
EPD

EPD environmental certification, confirming minimal environmental impact. Thanks to a closed-loop system and the calculation of the carbon footprint at every stage of the life cycle, the fixtures can be reused. They are characterized by high durability, resistance to outdoor conditions, and compatibility with a smart control system.

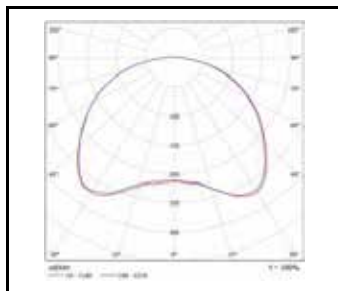
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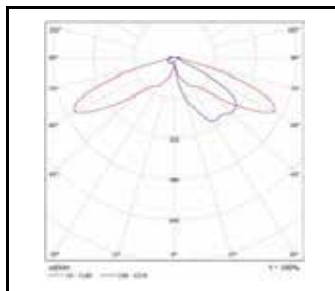
LIGHT DISTRIBUTION



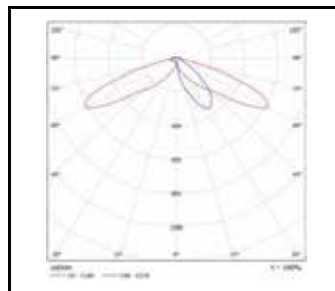
ASW-R



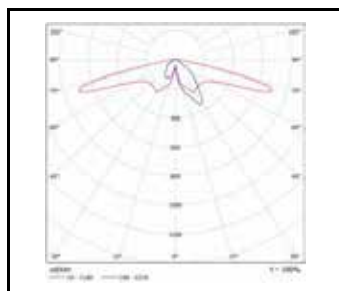
MLS



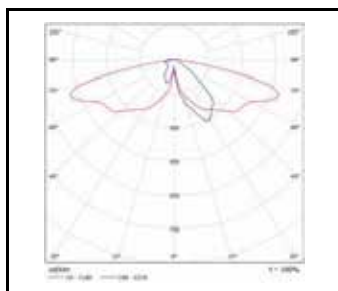
RM10



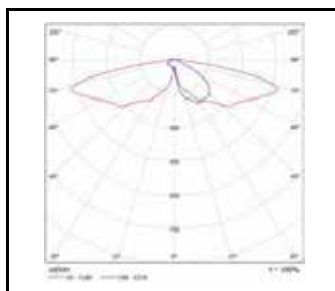
RM11



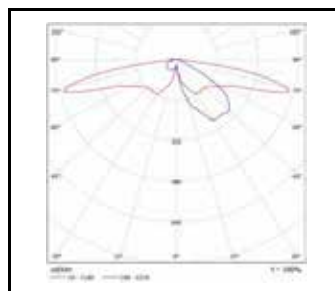
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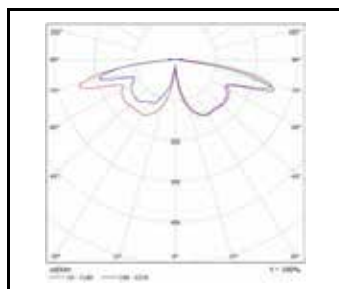
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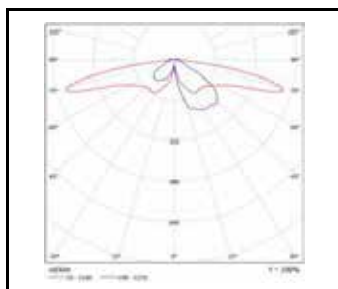
RM18



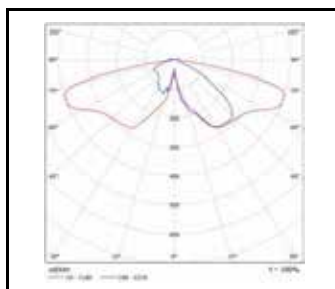
RM19



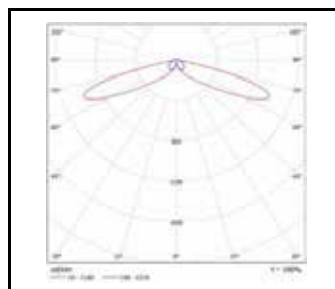
RM19-R



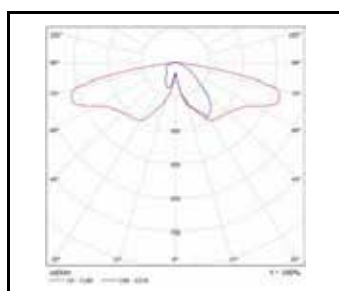
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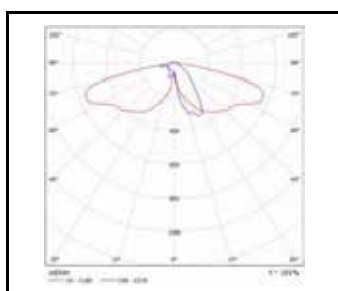
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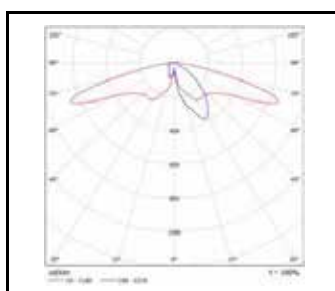
RM5



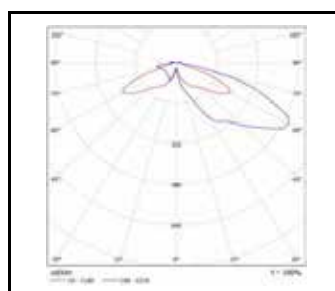
RM7



RM8



RM9

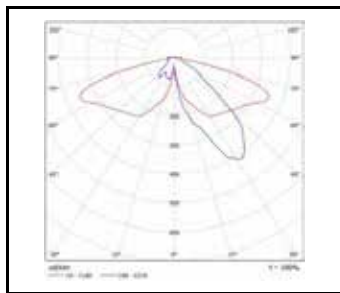


RW10

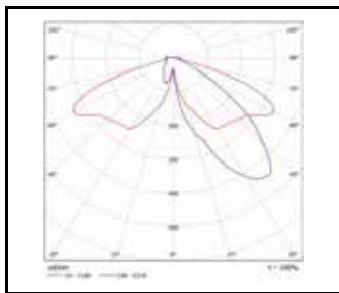
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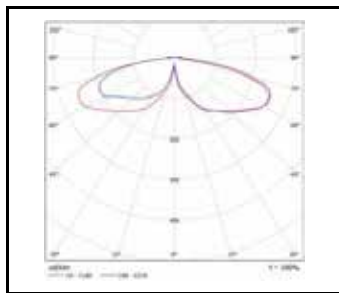
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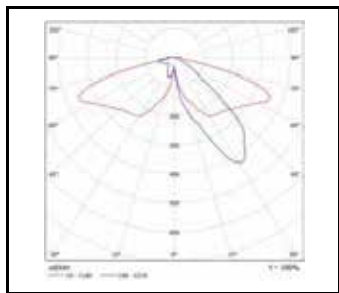
RW2



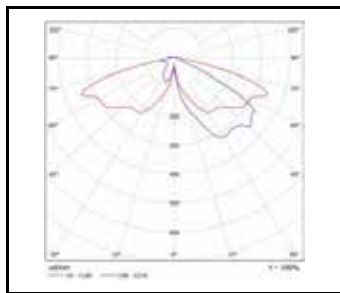
RW4



RW5-R



RW7



RW9

Date the product sheet was created: September 20, 2024

The manufacturer reserves the right to make changes in the course of product improvement, as well as to make design changes or upgrades to the product presented. The fixture complies with the requirements of the EU ROHS Directive 2001/65/EU. The product data sheet does not constitute a commercial offer. *The parameter tolerance is +/- 10%.



This product is subject to the rules governing the recycling of electrical and electronic equipment



CE - Nr:49/2024; 75/2024