Schréder
Experts in lightability™

DECORATIVE

INOA LED

Designer : Michel Tortel

LENSO FLEX™4

Elegance, comfort, and creation of atmosphere

The INOA LED luminaire is an elegant lighting LED solution enabling significant energy savings compared to equivalent luminaires fitted with traditional light sources.

It is available with a wide range of design options. Choose a flat glass version to get the most out of its photometric performance, or a striated deep protector to create a comfortable elegant atmosphere. All the INOA LED versions may be combined with a small or large canopy.

The discreet elegance of the INOA LED luminaire makes it an ideal choice for enhancing any landscape.

IP 66 | IK 08

URBAN & RESIDENTIAL STREETS | BRIDGES | BIKE & PEDESTRIAN PATHS | RAILWAY STATIONS & METROS | CAR PARKS | SQUARES & PEDESTRIAN AREAS

Concept

The INOA LED luminaire is composed of high-quality materials. The base section, bracket arms, top cover and cover plug are made of die-cast aluminum. To offer high impact resistance, polycarbonate and acrylic were chosen for the protectors and diffusors.

The INOA LED luminaire is available in a wide range of versions. The diffuser bowl can be equipped with an additional clear or striated protector. Both by day and at night, this second protector surrounds the luminaire with subtle charm.

At night, this creates a touch of magic as when people approach the luminaire, the drop of light in the protector seems to move under the reflections.

The INOA LED luminaire takes advantage of the latest photometric innovations. It can be equipped with the LensoFlex® platform, offering flexible, energy-efficient photometric solutions that can be tailored to meet the specific lighting needs of various urban applications such as parks, squares, places or residential areas.

INOA LED is available with slip-over mounting onto a Ø60mm spigot. It can be combined with three different types of lighting column and a painted aluminium wall bracket.

The discreet elegance of the INOA LED luminaire makes it an ideal choice for enhancing any landscape.

INOA LED is available with various options.

Thanks to its state-of-the-art LED technology, the INOA LED luminaire enables significant energy savings.

TYPES OF APPLICATION

- URBAN & RESIDENTIAL STREETS
- BRIDGES
- BIKE & PEDESTRIAN PATHS
- RAILWAY STATIONS & METROS
- CAR PARKS
- SQUARES & PEDESTRIAN AREAS

KEY ADVANTAGES

- High visual comfort
- Low power consumption
- Multiple configurations
- Magic of light due to protector
- LensoFlex®4 versatile solutions for high-end photometries maximising comfort and safety
- Creation of ambiance - aesthetic role by day and night

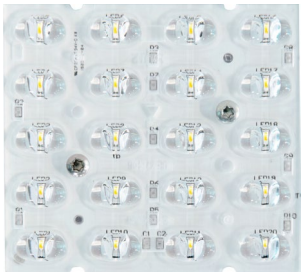
Post-top mounting on a Ø60mm spigot.

For easy installation, INOA LED is delivered with a pre-fitted cable.

LensoFlex®4

LensoFlex®4 maximises the heritage of the LensoFlex® concept with a very compact yet powerful photometric engine based upon the addition principle of photometric distribution. The number of LEDs in combination with the driving current determines the intensity level of the light distribution. With optimised light distributions and very high efficiency, this fourth generation enables the products to be downsized to meet application requirements with an optimised solution in terms of investment.

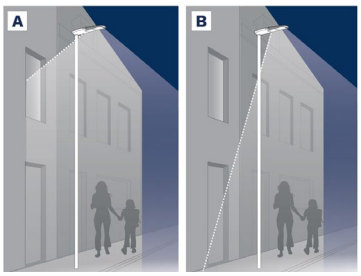
LensoFlex®4 optics can feature backlight control to prevent intrusive lighting, or a glare limiter for high visual comfort.



Back Light control

As an option, the LensoFlex®2 and LensoFlex®4 modules can be equipped with a Back Light control system.

This additional feature minimises light spill from the back of the luminaire to avoid intrusive light towards buildings.

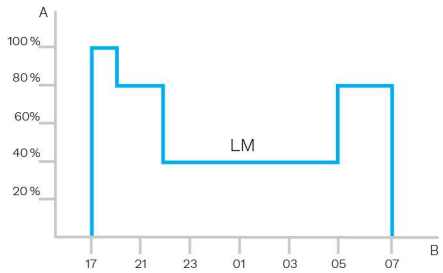


A. Without Back Light control | B. With Back Light control

Custom dimming profile

Intelligent luminaire drivers can be programmed with complex dimming profiles. Up to five combinations of time intervals and light levels are possible. This feature does not require any extra wiring.

The period between switching on and switching off is used to activate the preset dimming profile. The customised dimming system generates maximum energy savings while respecting the required lighting levels and uniformity throughout the night.



A. Dimming level | B. Time

PIR sensor: motion detection

In places with little nocturnal activity, lighting can be dimmed to a minimum most of the time. By using passive infrared (PIR) sensors, the level of light can be raised as soon as a pedestrian or a slow vehicle is detected in the area.

Each luminaire level can be configured individually with several parametres such as minimum and maximum light output, delay period and ON/OFF duration time. PIR sensors can be used in an autonomous or interoperable network.

INOA LED | CHARACTERISTICS

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GENERAL INFORMATION

Recommended installation height	4m to 6m | 13' to 20'
Driver included	Yes
CE mark	Yes
ENEC certified	Yes
French law of December 27th 2018 - Compliant with application type(s)	a, b, d, e, f
UKCA marking	Yes
Testing standard	EN 60598-1 EN 60598-2-1 EN 62262 IEC 62717 (LLM ENEC +) IEC 62722-2-1 IEC 62471

HOUSING AND FINISH

Housing	Aluminium
Optic	PMMA
Protector	Tempered glass Polycarbonate PMMA
Housing finish	Polyester powder coating
Tightness level	IP 66
Impact resistance	IK 08
Vibration test	Compliant with modified IEC 68-2-6 (0.5G)
Access for maintenance	By loosening screws on the top cover

OPERATING CONDITIONS

Operating temperature range (Ta)	-30°C up to +45°C / -22°F up to 113°F

· *Depending on the luminaire configuration. For more details, please contact us.*

ELECTRICAL INFORMATION

Electrical class	Class I EU, Class II EU
Nominal voltage	220-240V – 50-60Hz
Surge protection options (kV)	10
Electromagnetic compatibility (EMC)	EN 55015 / EN 61000-3-2 / EN 61000-3-3 / EN 61547
Control protocol(s)	1-10V, DALI
Control options	Bi-power, Custom dimming profile, Remote management
Sensor	PIR (optional)

OPTICAL INFORMATION

LED colour temperature	2700K (Warm White WW 727) 3000K (Warm White WW 730) 3000K (Warm White WW 830) 4000K (Neutral White NW 740)
Colour rendering index (CRI)	>70 (Warm White WW 727) >70 (Warm White WW 730) >80 (Warm White WW 830) >70 (Neutral White NW 740)
ULOR	<5%
ULR	<8%

· *ULOR may be different according to the configuration. Please consult us.*
· *ULR may be different according to the configuration. Please consult us.*

LIFETIME OF THE LEDS @ TQ 25°C

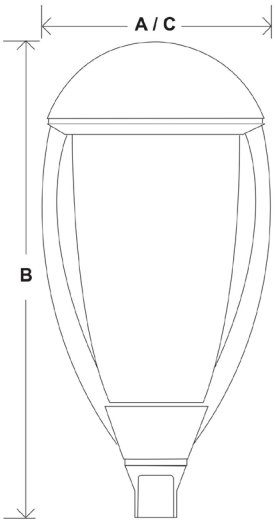
All configurations	100,000h - L95

· *Lifetime may be different according to the size/configurations. Please consult us.*

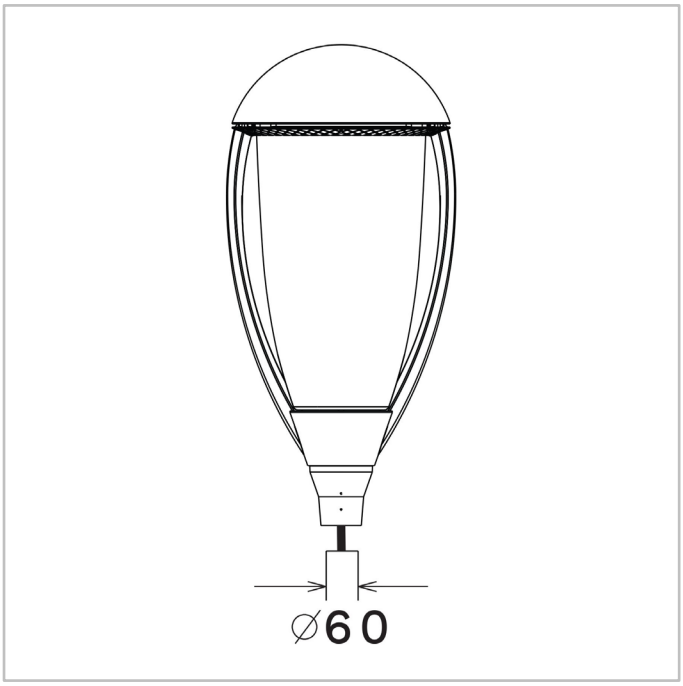
DIMENSIONS AND MOUNTING

AxBxC (mm | inch)	431x903x431 | 17.0x35.6x17.0
Weight (kg | lbs)	11.5-15.0 | 25.3-33.0
Aerodynamic resistance (CxS)	0.23
Mounting possibilities	Post-top slip-over – Ø60mm

· For more information about mounting possibilities, please consult the installation sheet.



INOA LED | Post-top mounting on a Ø60mm spigot – 6xM6 screws



INOA LED

Photometry

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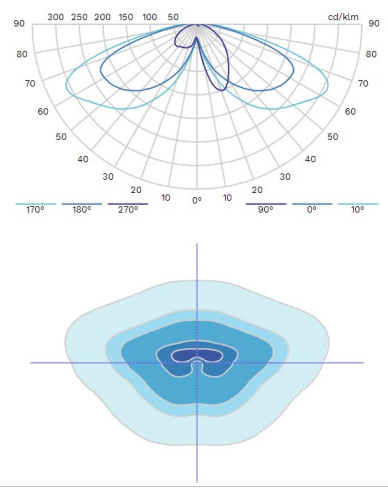
	Luminaire output flux (lm)								Power consumption (W)		Luminaire efficacy (lm/W)
	Warm White WW 727		Warm White WW 730		Warm White WW 830		Neutral White NW 740				
Number of LEDs	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to
10	800	2200	900	2400	800	2300	900	2600	10	25	125
20	1100	4400	1200	4900	1100	4600	1300	5200	13	45	138
30	1700	6700	1800	7300	1700	6900	1900	7800	19	67	143
40	2200	8000	2500	8700	2300	8200	2600	9300	25	75	146

Tolerance on LED flux is ± 7% and on total luminaire power ± 5 %

5300



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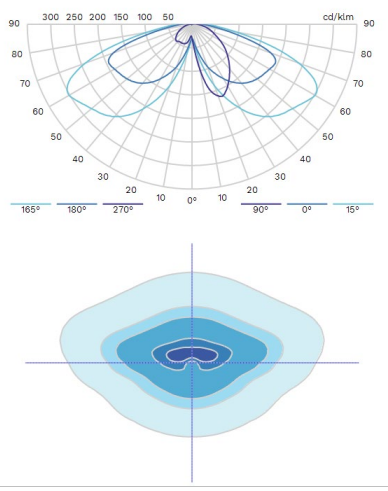

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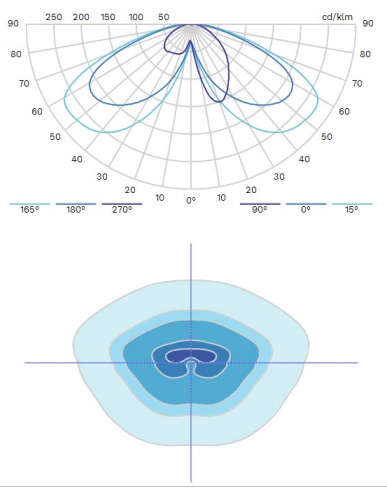

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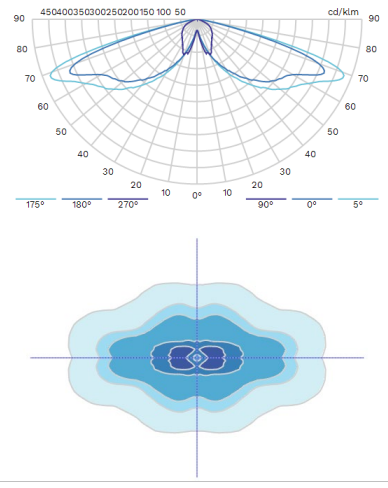

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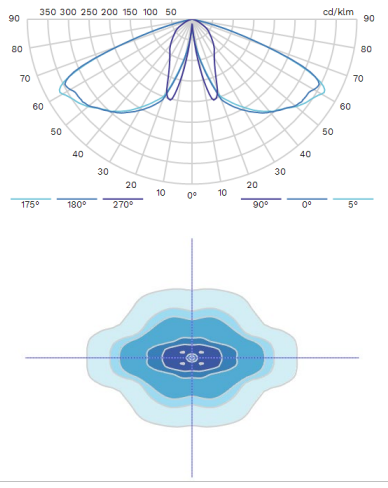

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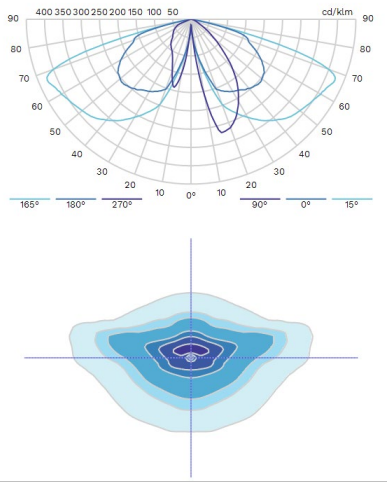

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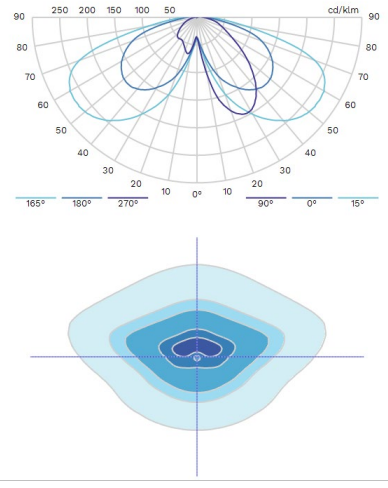

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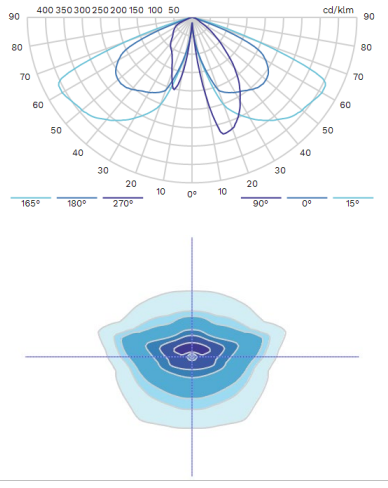

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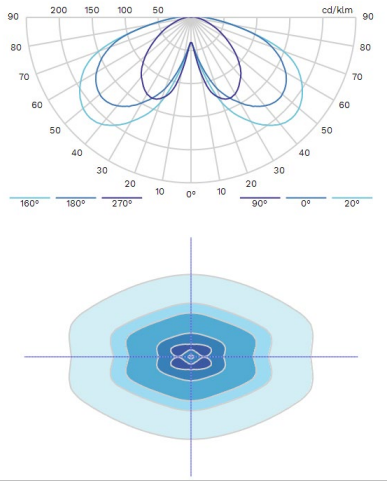

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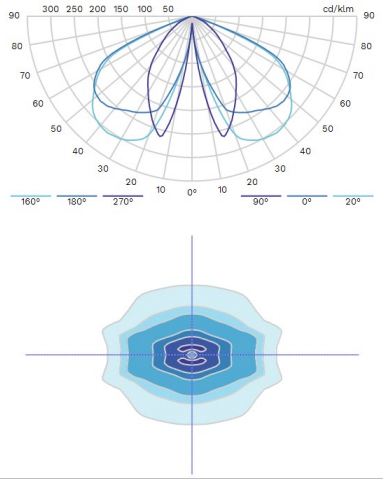

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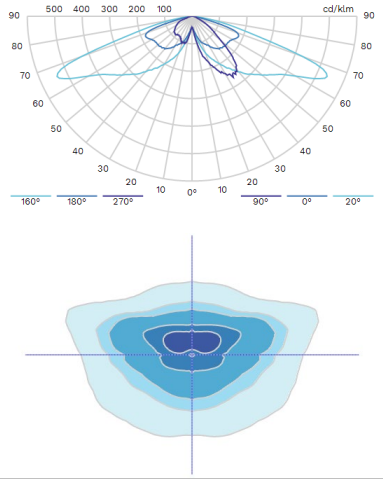

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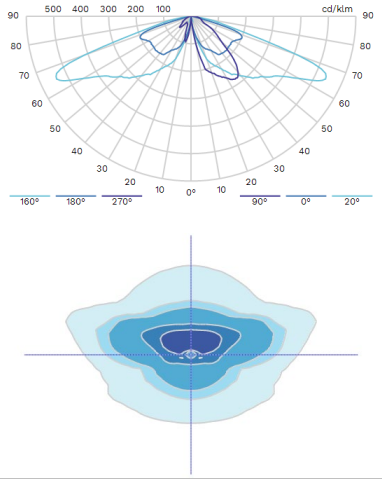

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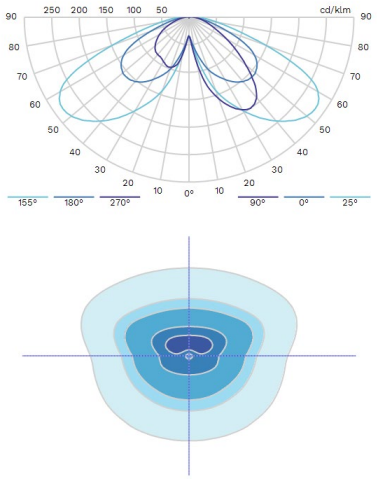

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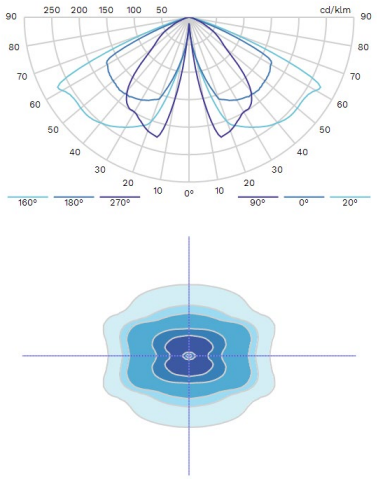

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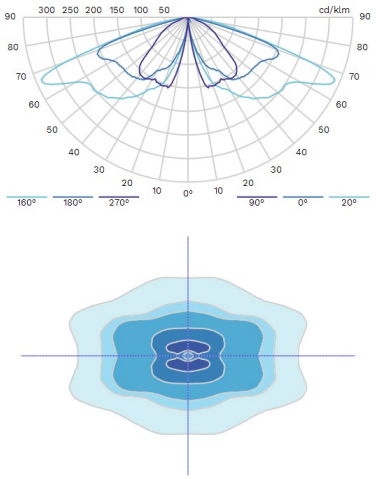

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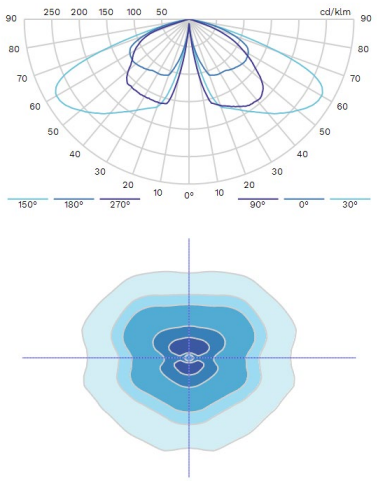

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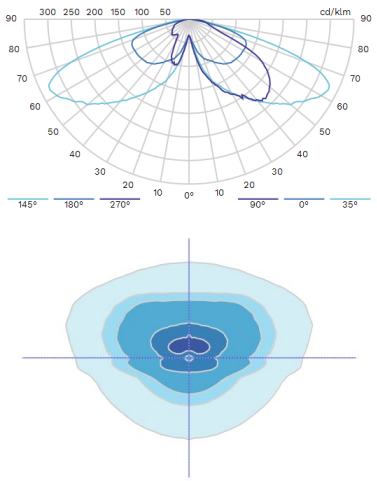

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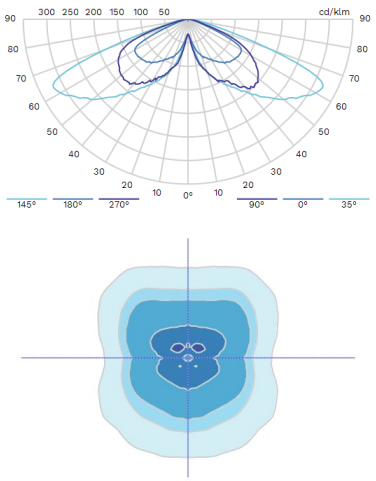

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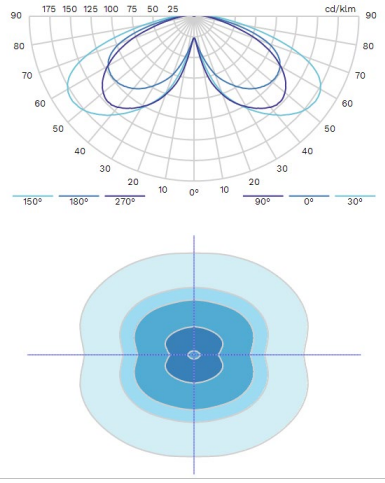

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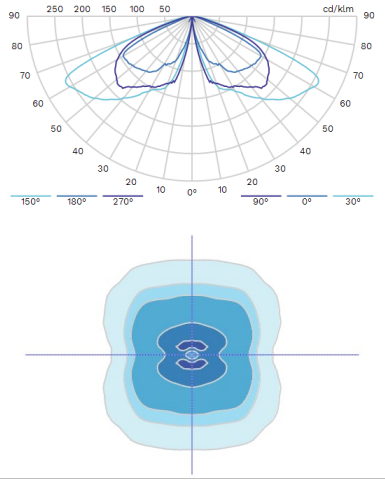

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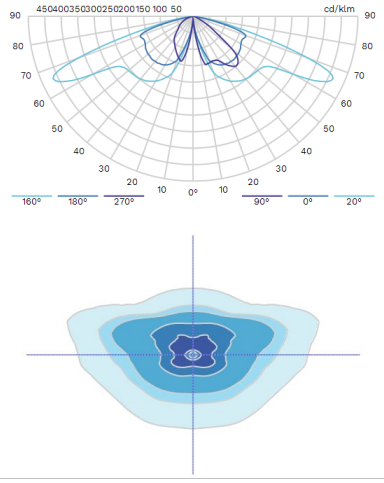

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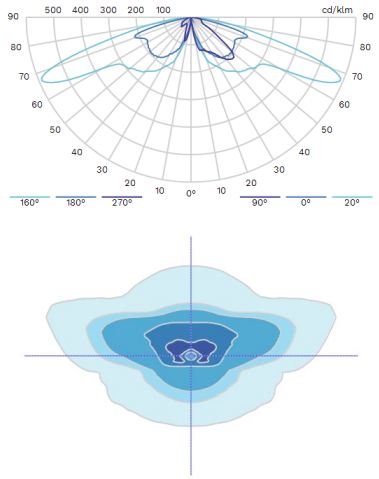

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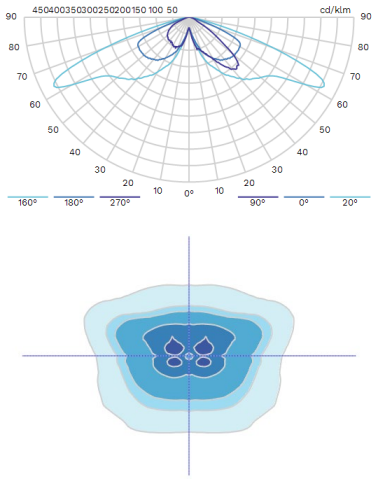

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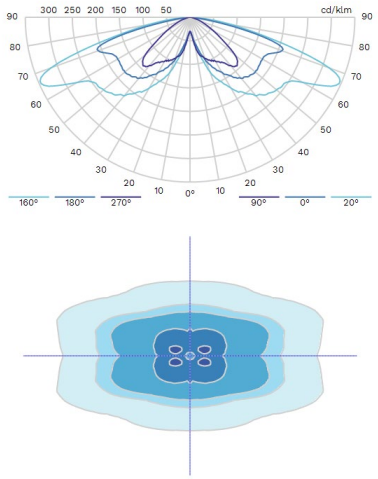

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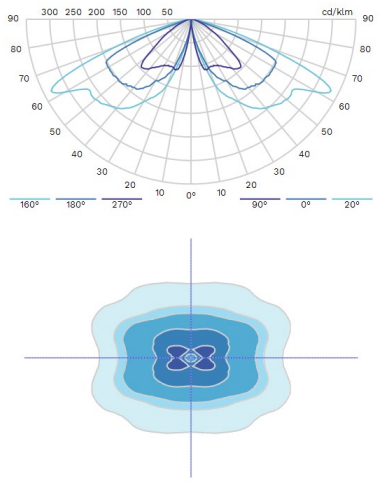

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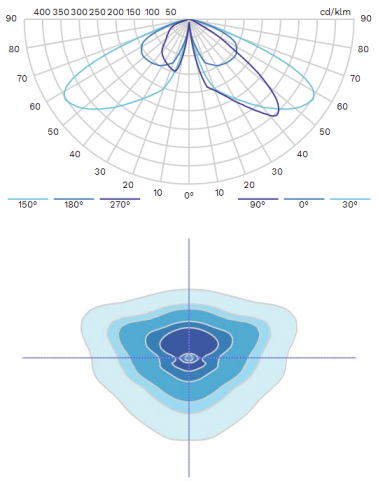

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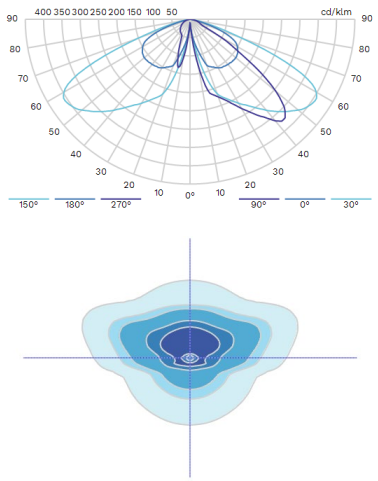

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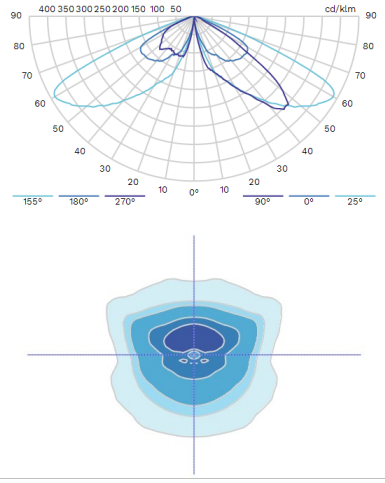

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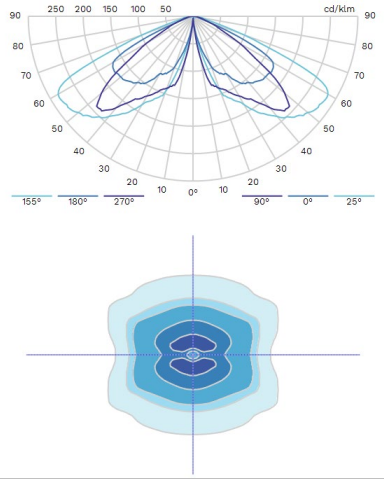

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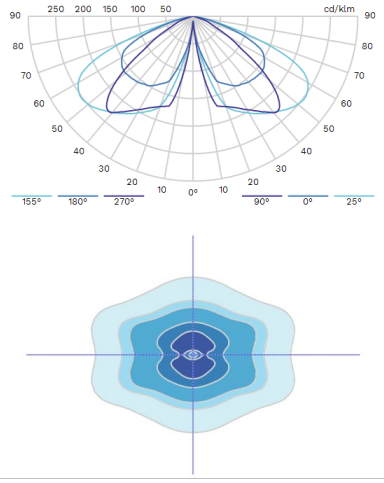

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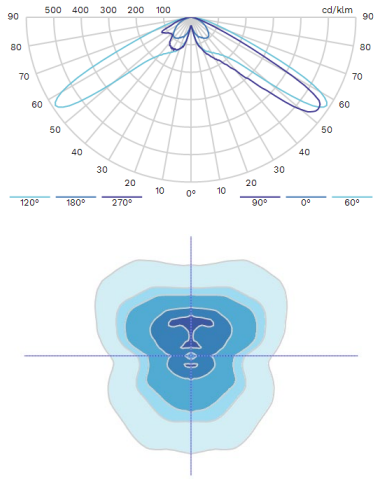

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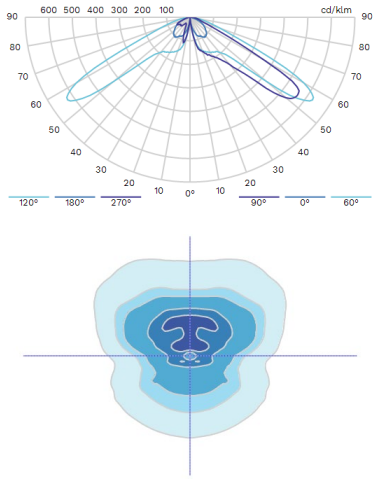

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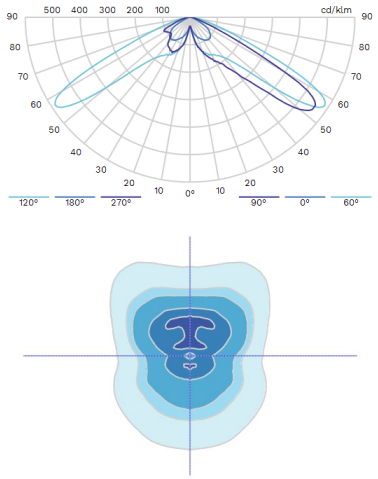

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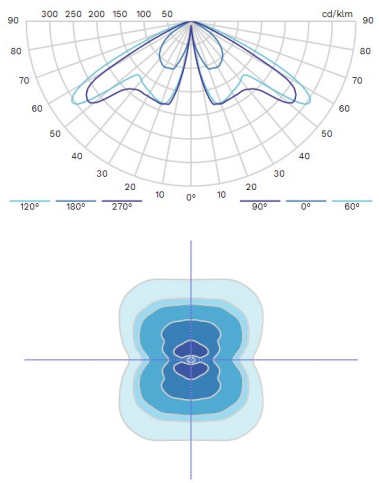

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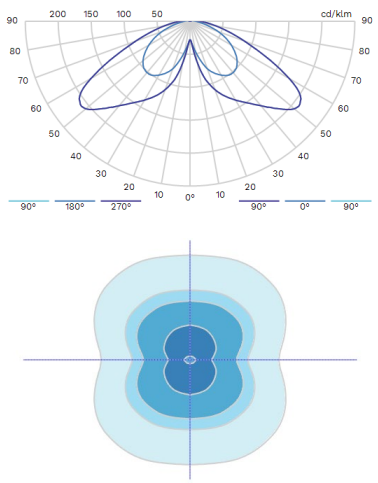

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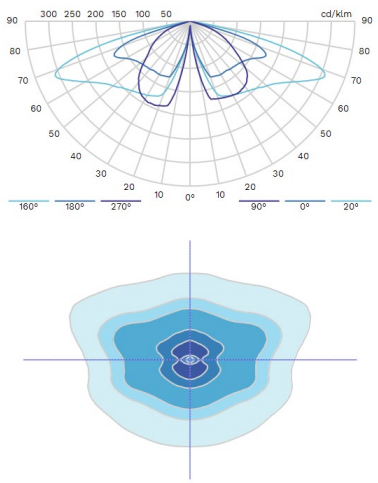

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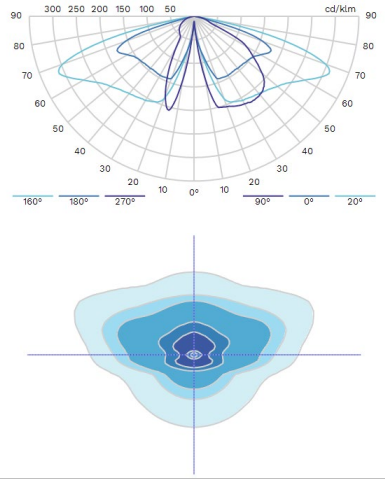

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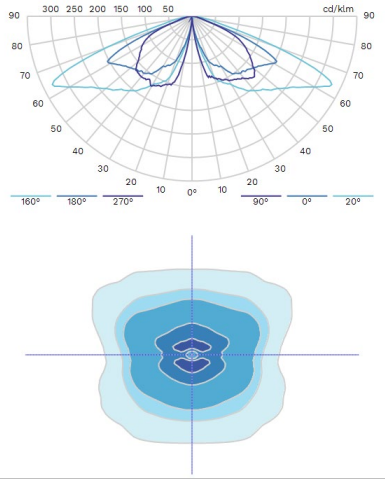

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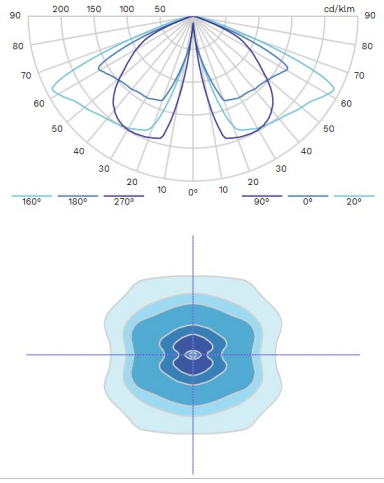

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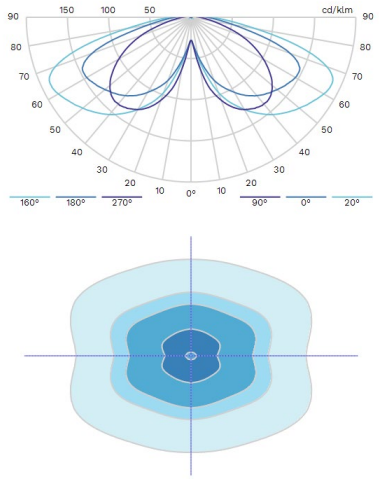
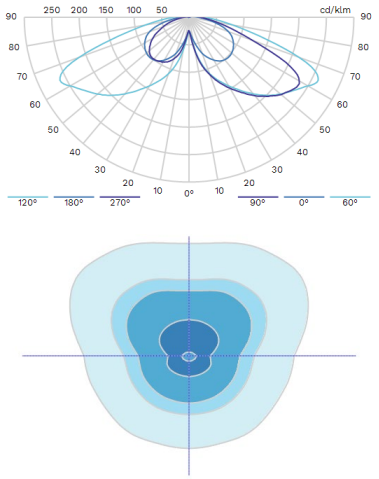


LENSO FLEX 4

5393



LENSO FLEX 4

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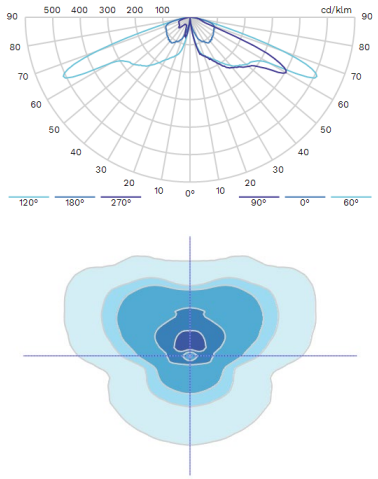

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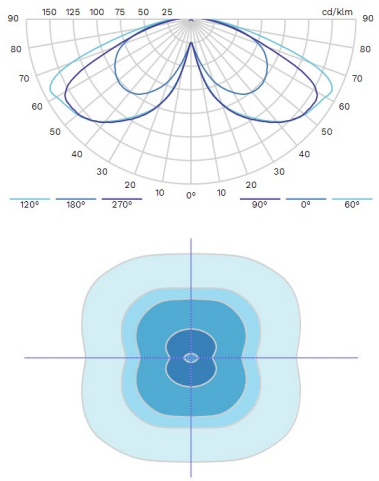
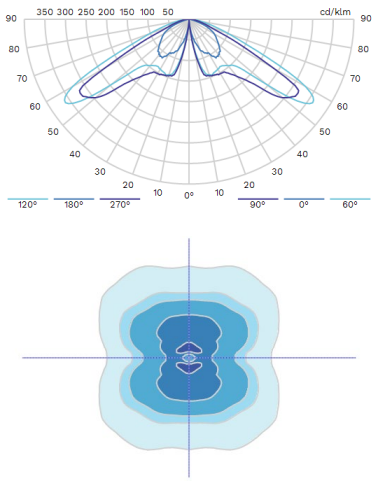


LENSO FLEX 4

50004



LENSO FLEX 4

50004 GL