Schréder
Experts in lightability™

DECORATIVE

SHUFFLE post-top

LENSO FLEX™ 2

The perfect addition

Designed to light roads, streets, squares and other places where creating a pleasant atmosphere is a key element, the post-top version of the Shuffle is an elegant cylindrical luminaire that blends into any environment.

Based on the 360° module of the Shu

IP 66 | IK 05 | IK 10

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

SHUFFLE post-top | SUMMARY

Schréder

Concept

Shuffle post-top is a cost-effective LED lighting solution with a modern design. This street lighting luminaire is composed of a housing in corrosion-free aluminium with a polyester powder coating and a protector in UV resistant polycarbonate. Shuffle post-top is designed for mounting on poles with a Ø60mm or Ø76mm (2” or 3”) spigot.

Thanks to its flush design, Shuffle post-top prevents any accumulation of dirt and sand. It can be equipped with bird spikes to avoid soiling.

Based on the LensoFlex®2 concept developed by Schréder, Shuffle post-top proposes a large range of symmetrical or asymmetrical lighting distributions.

A diffuse protector and a backlight control system are available as options for enhanced visual comfort.

Shuffle post-top is available with various control options, including remote management.

Create a pleasant ambiance by adding a coloured light ring.

An elegant and refined design to enhance your outdoor spaces.

TYPES OF APPLICATION

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

KEY ADVANTAGES

- Perfect complement to the Shuffle column
- Elegant and robust design with 2 aesthetic versions
- State-of-the-art LED technology for low energy consumption
- LensoFlex®2 providing asymmetrical and symmetrical light distributions
- Optional sanded protector for enhanced visual comfort
- Optional light ring for the creation of identity with the 360° module
- Connected-ready for your future Smart city requirements

Compatible with Owlet control solutions.

Shuffle post-top is available with a large canopy.

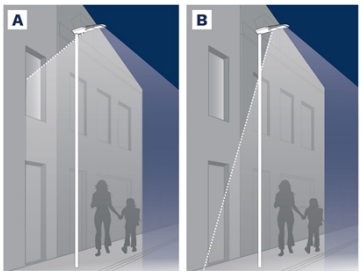
LensoFlex®2

LensoFlex®2 is based upon the addition principle of photometric distribution. Each LED is associated with a specific PMMA lens that generates the complete photometric distribution of the luminaire. The number of LEDs in combination with the driving current determines the intensity level of the light distribution.

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.

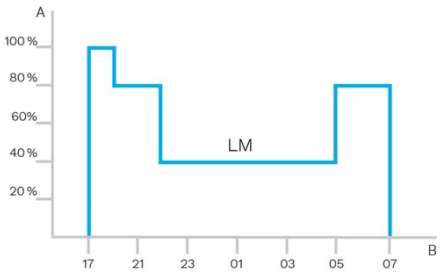


A. Without Back Light control | B. With Back Light control

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.

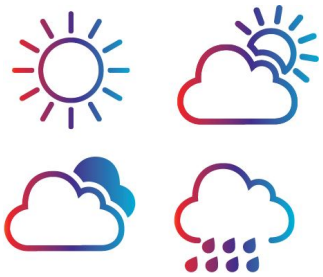
The period between switching on and switching off is used to activate the preset dimming profile. The customised dimming system generates maximum energy savings while respecting the required lighting levels and uniformity throughout the night.



A. Dimming level | B. Time

Daylight sensor / photocell

Photocell or daylight sensors switch the luminaire on as soon natural light falls to a certain level. It can be programmed to switch on during a storm, on a cloudy day (in critical areas) or only at nightfall so as to provide safety and comfort in public spaces.



Owlet IoT

Owlet IoT remotely controls luminaires in a lighting network, creating opportunities for improved efficiency, accurate real-time data and energy savings of up to 85%.

ALL-IN-ONE

The LUCO P7 CM controller includes the most advanced features for optimised asset management. It also provides an integrated photocell and operates with an astronomical clock for seasonal dimming profile adaptations.

EASY TO DEPLOY

Thanks to wireless communication, no cabling is needed. The network is not subject to physical constraints or limitations.

From a single control unit to an unlimited network, you can expand your lighting scheme at any time.

With real-time geolocation and automatic detection of luminaire features, commissioning is quick and easy.

USER-FRIENDLY

Once a controller is installed on a luminaire, the luminaire automatically appears with its GPS coordinates on a web-based map.

An easy-to-use dashboard enables each user to organise and customise screens, statistics and reports. Users can gain relevant, real-time insights.

The Owlet IoT web application can be accessed at all times from anywhere in the world with a device connected to the Internet. The application adapts to the device to offer an intuitive and user-friendly experience.

Real-time notifications can be pre-programmed to monitor the most important elements of the lighting scheme.

SECURE

The Owlet IoT system uses a local wireless mesh communication networks to control the on-site luminaires combined with a remote control system utilising the cloud to ensure smooth data transfers to and from the central management system.

The system uses encrypted IP V6 communication to protect data transmission in both directions. Using a secure APN, Owlet IoT ensures a high level of protection.

In the exceptional case of a communication failure, the built-in astronomical clock and photocell will take over to switch the luminaires on and off, thus avoiding a complete blackout at night.

EFFICIENT

Thanks to sensors and/or pre-programmed settings, lighting scenarios can be easily adapted to cope with live events, providing the right lighting levels at the right time and in the right place.

The integrated utility grade meter offers the highest accuracy available on the market today, enabling decisions based on real figures.

Accurate real-time feedback and clear reporting ensures that the network operates efficiently and maintenance is optimised.

When LED luminaires are switched on, the inrush current can create problems for the electricity grid. Owlet IoT incorporates an algorithm to preserve the grid at all times.

OPEN

The LUCO P7 CM controller can be plugged onto the standard 7 pin NEMA socket and operates through either a DALI or 1-10V interface to control the luminaire.

Owlet IoT is based on the IPv6 protocol. This method for addressing devices can generate an almost unlimited number of unique combinations to connect non-traditional components to the Internet or computer network.

Through open APIs, Owlet IoT can be integrated into existing or future global management systems.

SHUFFLE post-top | CHARACTERISTICS

Schréder

GENERAL INFORMATION

Recommended installation height	3m to 6m | 10' to 20'
Driver included	Yes
CE Mark	Yes
ENEC certified	Yes
ETL/UL certified	Yes
French law of December 27th 2018 - Compliant with application type(s)	a, b, c, d, e, f, g
BE 005 certified	Yes
Testing standard	LM 79-08 (all measurements in ISO17025 accredited laboratory)

HOUSING AND FINISH

Housing	Aluminium
Optic	PMMA
Protector	Polycarbonate PMMA
Housing finish	Polyester powder coating
Standard colour(s)	AKZO grey 900 sanded
Tightness level	IP 66
Impact resistance	IK 05, IK 10

ELECTRICAL INFORMATION

Electrical class	Class 1US, Class I EU, Class II EU
Nominal voltage	120-277V – 50-60Hz 220-240V – 50-60Hz
Surge protection options (kV)	10 20
Control protocol(s)	1-10V, DALI
Control options	Bi-power, Custom dimming profile, Remote management
Socket	NEMA 7-pin (optional)
Associated control system(s)	Owlet Nightshift Owlet IoT

OPTICAL INFORMATION

LED colour temperature	3000K (Warm White 830) 4000K (Neutral White 740)
Colour rendering index (CRI)	>80 (Warm White 830) >70 (Neutral White 740)
Upward Light Output Ratio (ULOR)	0%

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

LIFETIME OF THE LEDS @ TQ 25°C

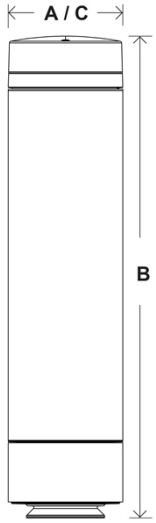
All configurations	100,000h - L90

SHUFFLE post-top | CHARACTERISTICS

Schréder

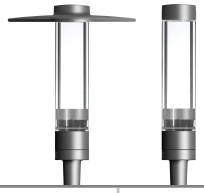
DIMENSIONS AND MOUNTING

AxBxC (mm | inch)	194x816x194 | 7.6x32.1x7.6
Weight (kg | lbs)	8 | 17.6
Aerodynamic resistance (CxS)	0.21
Mounting possibilities	Post-top slip-over – Ø60mm Post-top slip-over – Ø76mm



SHUFFLE post-top | PERFORMANCE

Schréder

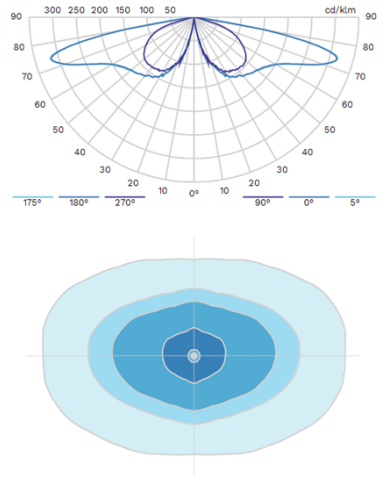


			Luminaire output flux (lm) Warm White 830		Luminaire output flux (lm) Neutral White 740		Power consumption (W)	Luminaire efficacy (lm/W)	
Luminaire	Number of LEDs	Current (mA)	Min	Max	Min	Max		Up to	Photometry
SHUFFLE Post-Top	20	350	1700	2500	1900	2800	25.2	124	LENSO FLEX 2
	20	500	2300	3400	2600	3900	35.6	123	LENSO FLEX 2
	20	700	3000	4400	3500	5100	48	113	LENSO FLEX 2

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

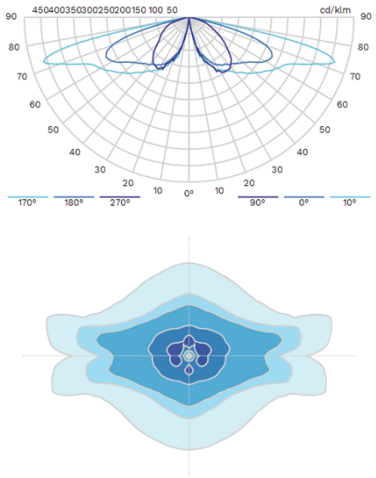
LENSO FLEX™2

5068 Front-Rear



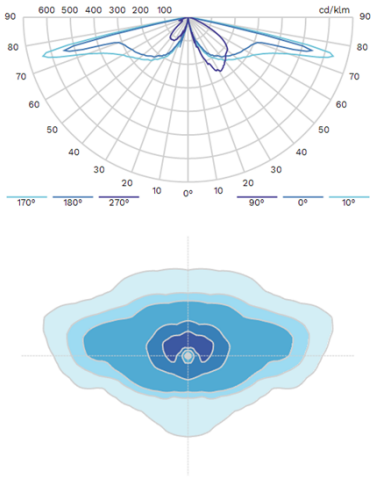
LENSO FLEX™2

5096 Front-Rear



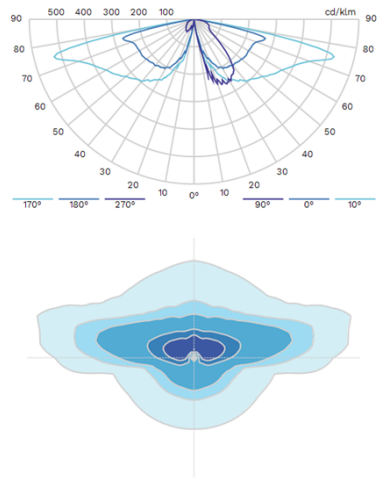
LENSO FLEX™2

5098



LENSO FLEX™2

5102 - BL



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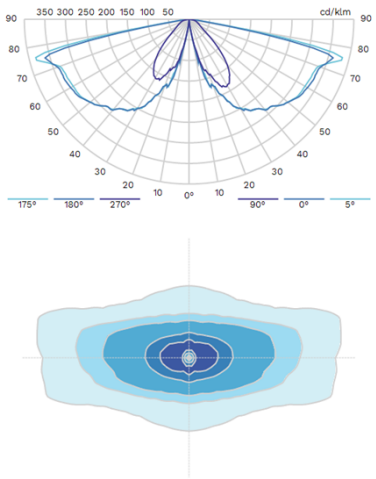
5102 Front-Rear



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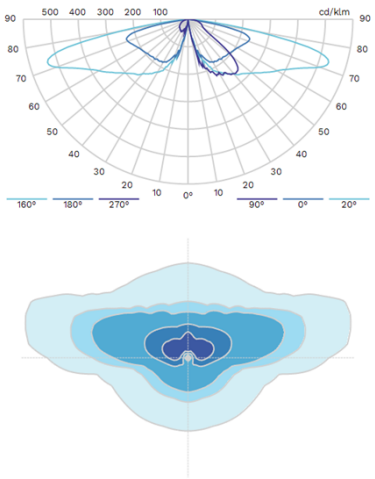
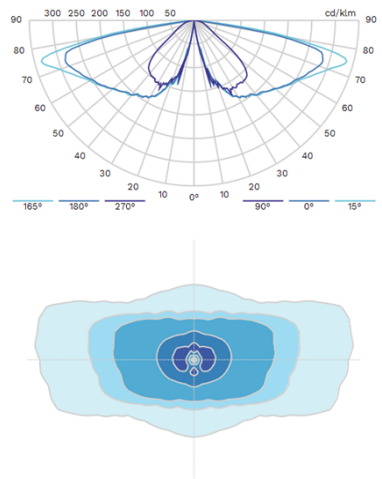


LENSO FLEX™2

5103 Front-Rear



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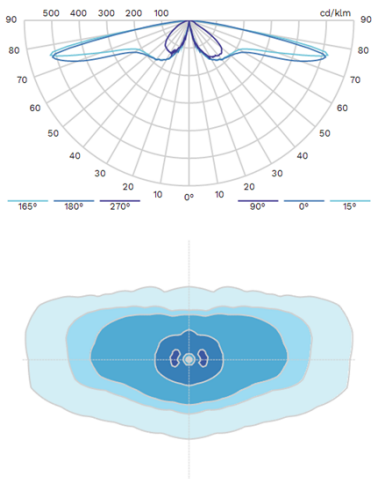

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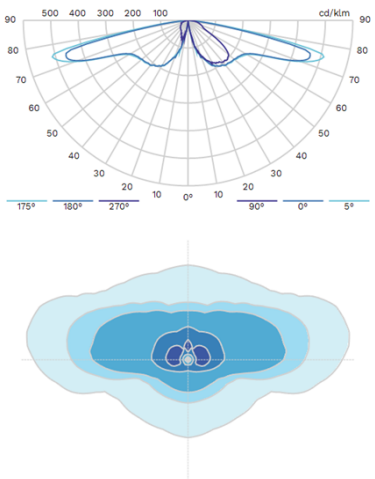

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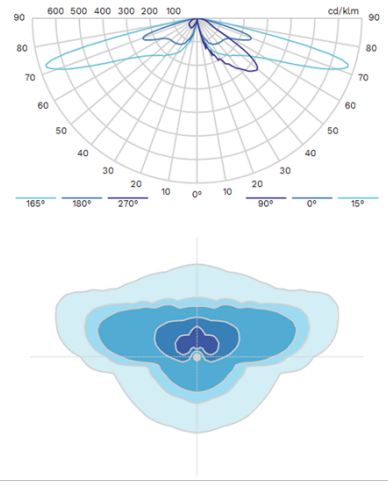

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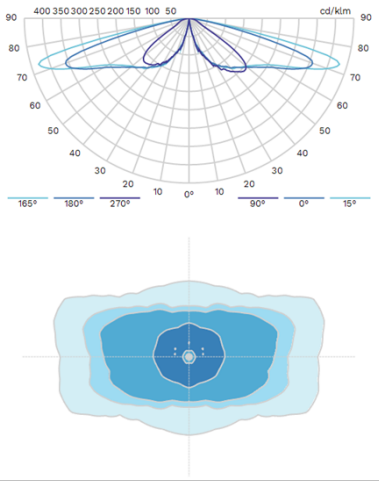

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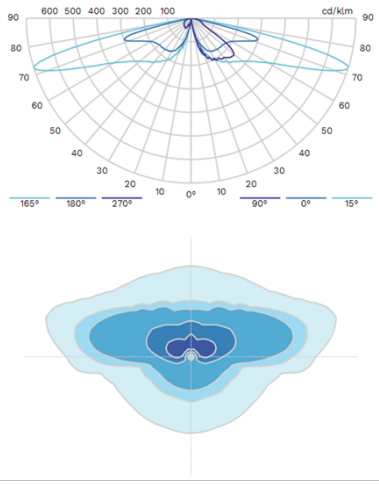

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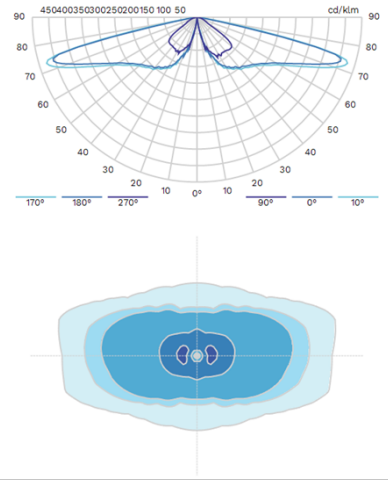

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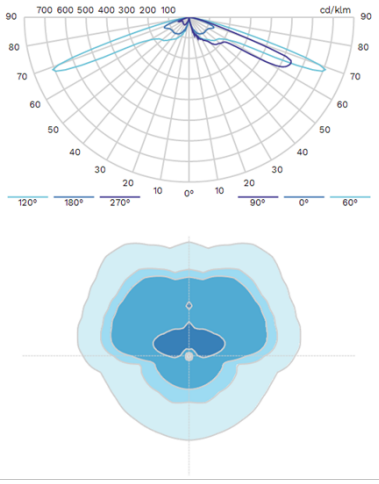

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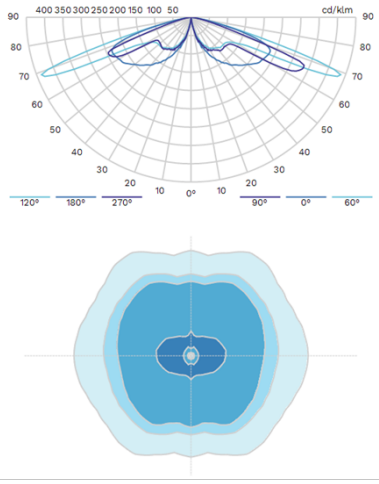

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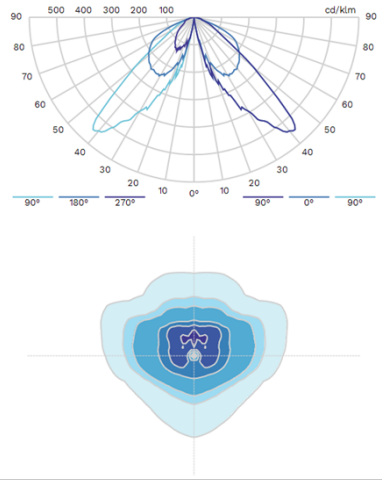

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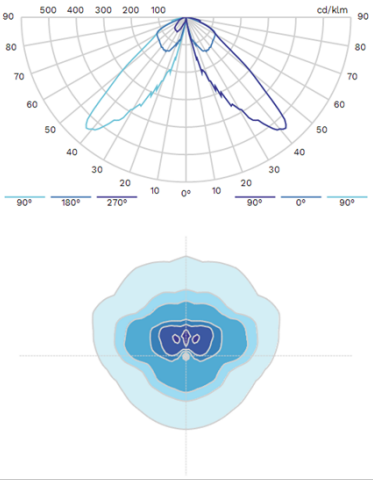

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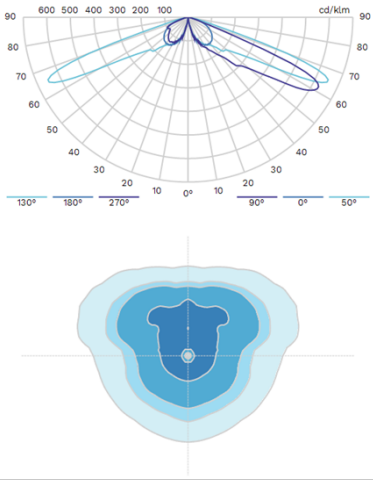

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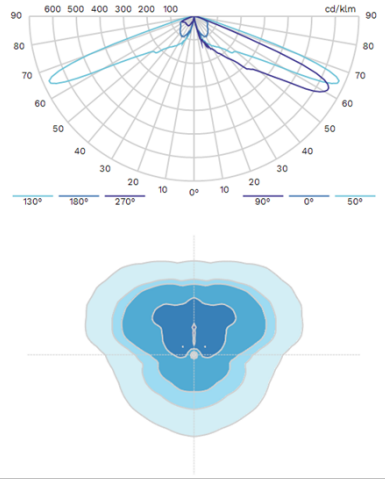

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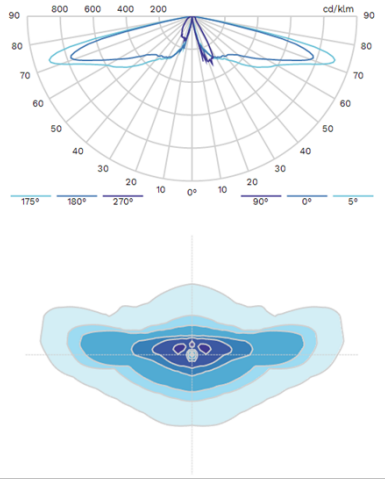

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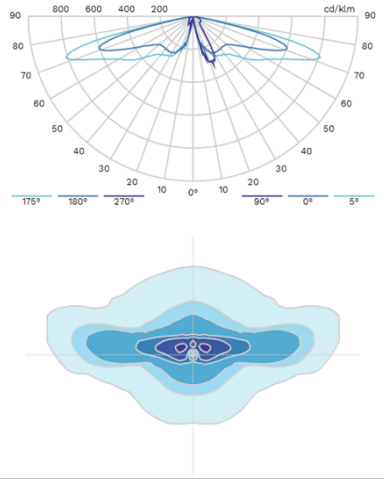

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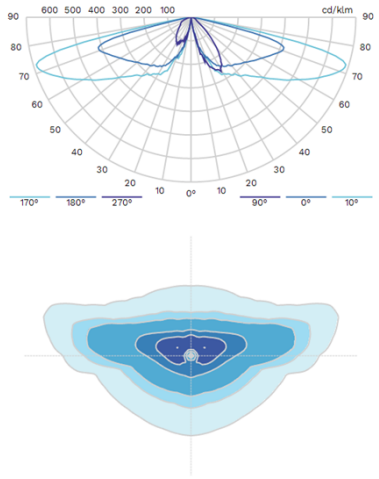

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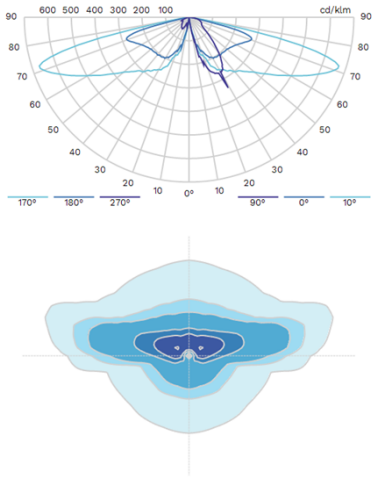

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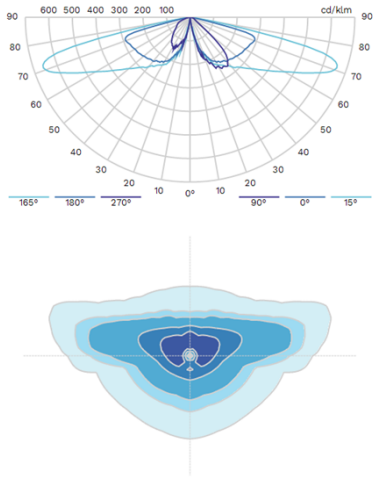

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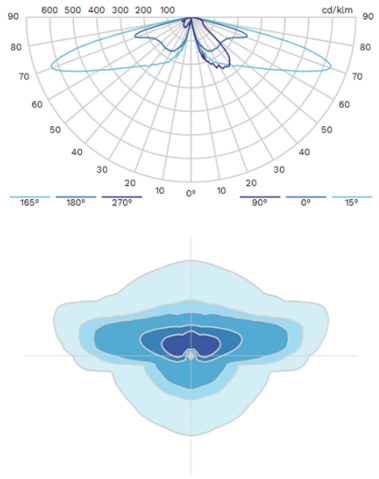

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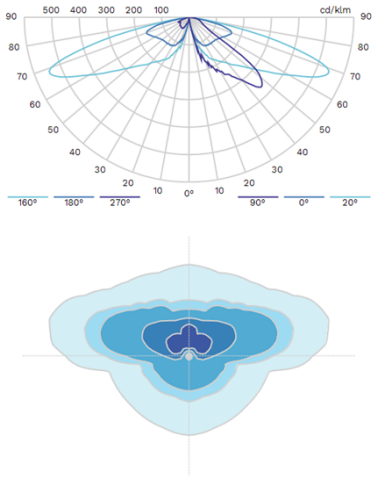
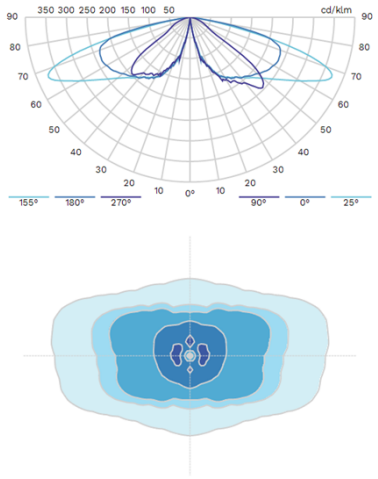
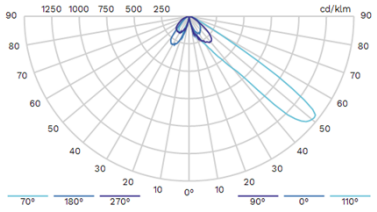


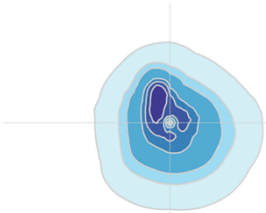
LENSO FLEX™2 5139 Front-Rear



LENSO FLEX 2

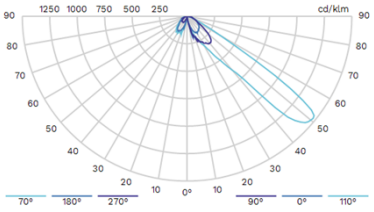
5144 Zebra left

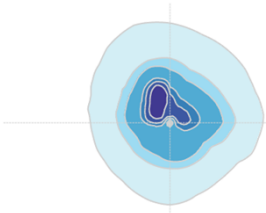




LENSO FLEX 2

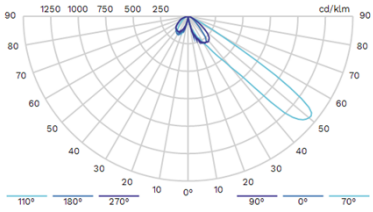
5144 Zebra left BL

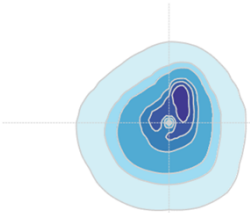




LENSO FLEX 2

5145 Zebra right





LENSO FLEX 2

5145 Zebra right BL