Schréder
Experts in lightability™

DECORATIVE

TEMPORE GEN2

HI FLEX™ 1&2
HI FLEX™ 2
LENSO FLEX™ 4

Elegant, efficient and connected – a heritage-inspired luminaire

Inspired by the architectural codes of the Art Nouveau era, TEMPORE GEN2 brings a refined touch of sophistication to contemporary urban landscapes.

At its core lies the latest generation of high-efficiency LED modules, ensuring powerful yet energy-efficient illumination that meets the highest standards of modern city lighting.

TEMPORE GEN2 can be optionally fitted with a NEMA or Zhaga socket, enabling integration into smart lighting networks. This connectivity allows for remote management and monitoring of your lighting infrastructure—facilitating predictive maintenance, adaptive lighting scenarios and optimised energy usage. TEMPORE GEN2 is a versatile tool for city planners and lighting designers seeking to enhance the character of their cityscapes without compromising on technical performance.

Stylish, connected and efficient, TEMPORE GEN2 is the ideal solution for creating welcoming, safe urban environments.

IP 66 | IK 08

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

TEMPORE GEN2 | SUMMARY

Schréder

Concept

The timeless design of the TEMPORE GEN2 crosses the ages and has now been reinvented with the latest in lighting technology. The luminaire base and fixation, made of aluminium alloy, are topped by a three-part, thermoformed polycarbonate protector, making it a light, recyclable lighting solution. The opal, striated design of the protector ensures a soft, glare-free light, perfect for low-height applications.

TEMPORE GEN2 relies on advanced photometric technologies to meet the various demands of city lighting projects and to comply with light pollution requirements The LensoFlex® and HiFlexTM LED platforms offer flexible, energy-efficient photometric solutions that can be tailored to meet the lighting needs of different projects, while maximising savings and providing a quick return on investment.

With TEMPORE GEN2, timeless design meets connected lighting technology. Discreetly housed beneath its elegant upper dome, a NEMA or Zhaga socket enables effortless integration into a wide range of remote lighting management systems—without compromising the luminaire's iconic design integrity.

This thoughtful integration ensures that smart functionality blends seamlessly with visual harmony, allowing cities to benefit from connected lighting while preserving the aesthetic appeal of their urban environments.

TEMPORE GEN2 features an aluminium fixation base, suitable for 1"1/4 threaded gas spigots. The upper part of the luminaire can be removed from the fixation base to access the electrical connector.

TEMPORE GEN2 can be paired with the LOUISE poles, making it perfectly suited for further enhancing the character of your urban environments.

TYPES OF APPLICATION

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

KEY ADVANTAGES

- Heritage design for maintaining ambiance and identity
- Perfect for enhancing the historical heritage of city centres
- LensoFlex®4 versatile solutions for high-end photometries maximising comfort and safety
- HiFlex photometric engine designed for optimised energy efficiency
- Connected-ready for your future Smart city requirements
- Zhaga-D4i certified
- Maximum energy saving

TEMPORE GEN2 provides a modern, energy-efficient solution for replacing HID lanterns without compromising on the character of your historical environments.

The connectivity socket is discreetly integrated inside the upper dome, preserving the timeless elegance of the TEMPORE GEN2 while benefiting from the best of the digital era of lighting.

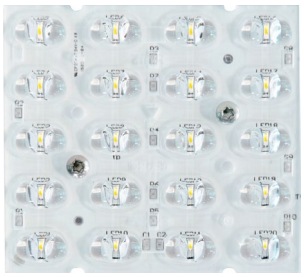
Various photometric solutions providing the best efficiency for your urban projects.

Light, compact and made of recyclable materials.

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.

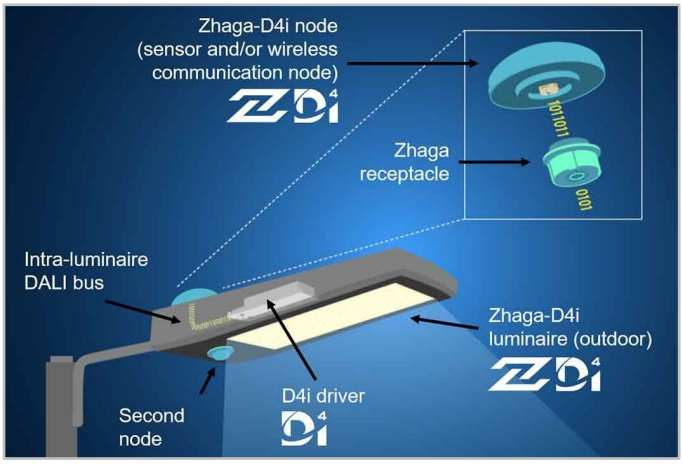


HiFlex™

The HiFlex platform is expertly designed to optimise energy efficiency. Its photometric engines feature high-power LEDs that deliver exceptional performance while consuming minimal energy, resulting in unmatched efficacy (lm/W).

Ideal for projects that require a streamlined approach to maximising lighting efficacy and achieving swift ROI, HiFlex is available in two versions: HiFlex 1, boasting 24 LEDs and HiFlex 2, equipped with 36 LEDs. Both variants are designed with the priorities of compactness, cost-effectiveness and high performance in mind.

The Zhaga consortium joined forces with the DiiA and produced a single Zhaga-D4i certification that combines the Zhaga Book 18 version 2 outdoor connectivity specifications with the DiiA's D4i specifications for intra-luminaire DALI.



Standardisation for interoperable ecosystems

Member of Zhaga

As a founding member of the Zhaga consortium, Schréder has participated in the creation of, and therefore supports, the Zhaga-D4i certification program and the initiative of this group to standardise an interoperable ecosystem. The D4i specifications take the best of the standard DALI2 protocol and adapt it to an intra-luminaire environment but it has certain limitations. Only luminaire mounted control devices can be combined with a Zhaga-D4i luminaire. According to the specification, control devices are limited respectively to 2W and 1W average power consumption.

Certification program

The Zhaga-D4i certification covers all the critical features including mechanical fit, digital communication, data reporting and power requirements within a single luminaire, ensuring plug-and-play interoperability of luminaires (drivers) and peripherals such as connectivity nodes.

Cost-effective solution

A Zhaga-D4i certified luminaire includes drivers offering features that had previously been in the control node, like energy metering, which has in turn simplified the control device therefore reducing the price of the control system.

Schréder EXEDRA is the most advanced lighting management system on the market for controlling, monitoring and analysing streetlights in a user-friendly way.

Standardisation for interoperable ecosystems

Schréder plays a key role in driving standardisation with alliances and partners such as uCIFI, TALQ or Zhaga. Our joint commitment is to provide solutions designed for vertical and horizontal IoT integration. From the body (hardware) to the language (data model) and the intelligence (algorithms), the complete Schréder EXEDRA system relies on shared and open technologies. Schréder EXEDRA also relies on Microsoft Azure for cloud services, provided with the highest levels of trust, transparency, standards conformance and regulatory compliance.

Breaking the silos

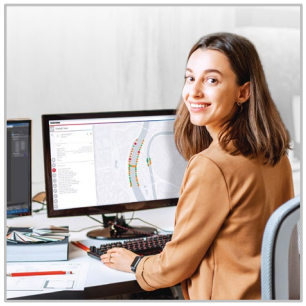
With EXEDRA, Schréder has taken a technology-agnostic approach: we rely on open standards and protocols to design an architecture able to interact seamlessly with third-party software and hardware solutions. Schréder EXEDRA is designed to unlock complete interoperability, as it offers the ability to:

- control devices (luminaires) from other brands
- manage controllers and to integrate sensors from other brands
- connect with third-party devices and platforms

A plug-and-play solution

As a gateway-less system using the cellular network, an intelligent automated commissioning process recognises, verifies and retrieves luminaire data into the user interface. The self-healing mesh between luminaire controllers enables real-time adaptive lighting to be configured directly via the user interface. OWLET IV luminaire controllers, optimised for Schréder EXEDRA, operate Schréder's luminaires and luminaires from third parties. They use both cellular and mesh radio networks, optimising geographical coverage and redundancy for continuous operation.

Tailored experience



Schréder EXEDRA includes all advanced features needed for smart device management, real-time and scheduled control, dynamic and automated lighting scenarios, maintenance and field operation planning, energy consumption management and third-party connected hardware integration. It is fully configurable and includes tools for user management and multi-tenant policy that enables contractors, utilities or big cities to segregate projects.

A powerful tool for efficiency, rationalisation and decision making

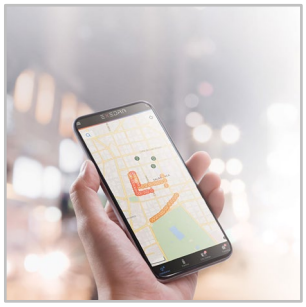
Data is gold. Schréder EXEDRA brings it with all the clarity managers need to drive decisions. The platform collects massive amounts of data from end devices and, aggregates, analyses and intuitively displays them to help end-users take the right actions.

Protected on every side

ISO 27001
BUREAU VERITAS
Certification

Schréder EXEDRA provides state-of-the-art data security with encryption, hashing, tokenisation, and key management practices that protect data across the whole system and its associated services. The whole platform is ISO 27001 certified. It demonstrates that Schréder EXEDRA meets the requirements for establishing, implementing, maintaining and continually improving security management.

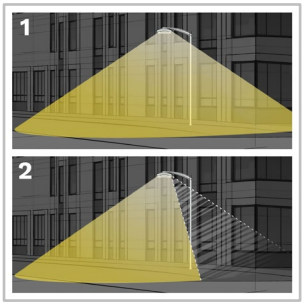
Mobile App: any time, any place, connect to your street lighting



The Schréder EXEDRA mobile application offers the essential functionalities of the desktop platform, to accompany all types of operator on site in their daily effort to maximise the potential of connected lighting. It enables real-time control and settings, and contributes to effective maintenance.

With the PureNight concept, Schréder offers the ultimate solution for restoring the night sky without switching off cities, while maintaining safety and well-being for people and preserving wildlife. The PureNight concept guarantees that your Schréder lighting solution satisfies environmental laws and requirements. Well-designed LED lighting has the potential to improve the environment in all respects.

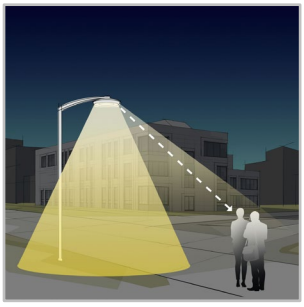
Direct the light only where it is wanted and needed



Schréder is renowned for its expertise in photometry. Our optics direct light only where it is wanted and needed. However, light trespass behind the luminaire might be a key concern when it comes to protecting a sensitive wildlife habitat or avoiding intrusive lighting towards buildings. Our fully integrated backlight solutions easily address this potential risk.

1. Without backlight
2. With backlight

Offer maximum visual comfort to people



Because of the lower installation height compared to road lighting, visual comfort is an essential aspect of urban lighting. Schréder designs lenses and accessories to minimise any type of glare (distracting, discomforting, disabling glare and blinding glare). Our design offices harness a range of possibilities to find the best solutions for each project and ensure that we provide a gentle light that delivers the best night-time experience.

Protect wildlife

If not well designed, artificial lighting can badly affect wildlife. Blue light and excessive intensity can have a damaging effect on all types of life. Blue light radiation has the ability to suppress the production of melatonin, the hormone that contributes to the regulation of the circadian rhythm. It can also alter the behavioural patterns of animals including bats and moths, as it can change their movements towards or away from light sources. Schréder favours warm white LEDs with minimal blue light, combined with advanced control systems including sensors. This enables permanent adaptation of the lighting to the real needs of the moment, minimising disturbance to the fauna and flora.

Get the starry sky back

The Upward Light Ratio (ULR) and Upward Light Output Ratio (ULOR), the latter taking the flux from the luminaire into account, provide information on the percentage of light emitted towards the sky. This Schréder range of luminaires minimises or eliminates (depending on the options) upward-directed light flux. It complies with strict international and local requirements.

TEMPORE GEN2 | CHARACTERISTICS

Schréder

GENERAL INFORMATION

Recommended installation height	5m to 7m | 16' to 23'
Driver included	Yes
CE mark	Yes
ENEC certified	Yes
ENEC+ certified	Yes
Zhaga-D4i certified	Yes
UKCA marking	Yes

HOUSING AND FINISH

Housing	Aluminium Polycarbonate
Optic	PMMA
Protector	Polycarbonate
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 +55°C / -22°F up to 131°F with wind effect

· 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	Remote management
Socket	Zhaga (optional) NEMA 7-pin (optional)
Associated control system(s)	Schréder EXEDRA

OPTICAL INFORMATION

LED colour temperature	2200K (Warm White WW 722) 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 722) >70 (Warm White WW 727) >70 (Warm White WW 730) >80 (Warm White WW 830) >70 (Neutral White NW 740)

LIFETIME OF THE LEDS @ TQ 25°C

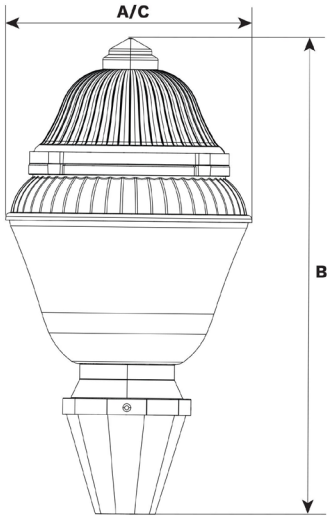
All configurations	100,000h - L93

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

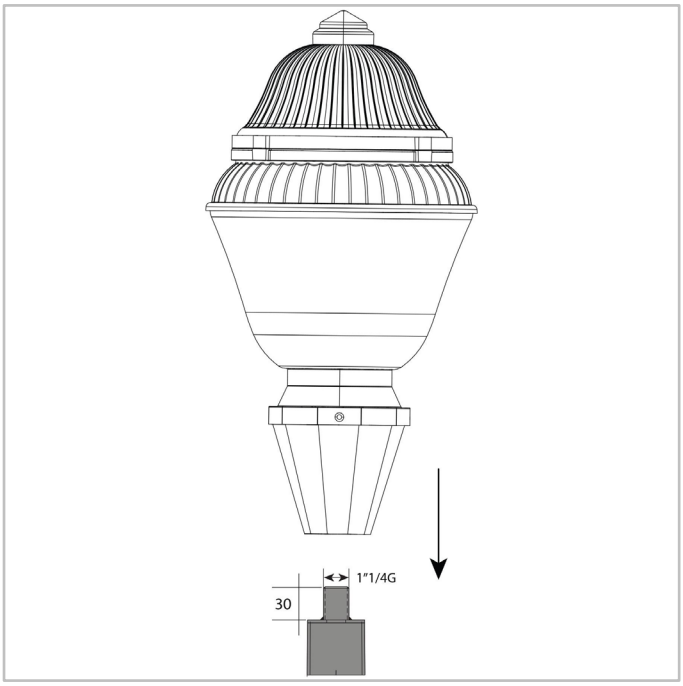
DIMENSIONS AND MOUNTING

AxBxC (mm | inch)	395x740x395 | 15.6x29.1x15.6
Weight (kg | lbs)	6.4 | 14.1
Aerodynamic resistance (CxS)	0.13
Mounting possibilities	Post-top on 1” 1/4 gas male

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



TEMPORE GEN2 | Post-top mounting onto 1/14” threaded spigot



TEMPORE GEN2 MIDI

Photometry

HI FLEX™ 2

	Luminaire output flux (lm)										Power consumption (W)		Luminaire efficacy (lm/W)
	Warm White WW 722		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	Min	Max	Up to
36	1700	8300	1900	9400	2000	9700	1800	9000	2100	10500	15	74	155

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

TEMPORE GEN2 MIDI

Photometry

HI FLEX™ 1&2

	Luminaire output flux (lm)										Power consumption (W)		Luminaire efficacy (lm/W)
	Warm White WW 722		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	Min	Max	Up to
36	1700	8300	1900	9400	2000	9700	1800	9000	2100	10500	15	74	155

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

TEMPORE GEN2 MIDI

Photometry

LENSO FLEX™ 4

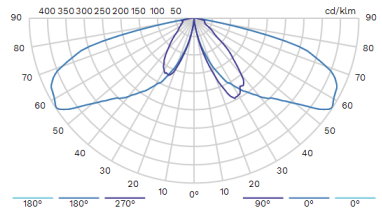
	Luminaire output flux (lm)										Power consumption (W)		Luminaire efficacy (lm/W)
	Warm White WW 722		Warm White WW 727		Warm White WW 730		Warm White WW 830		Neutral White NW 740				
Number of LEDs	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to
40	1700	8800	1900	9900	2000	10600	1900	9900	2200	11500	25	89	161

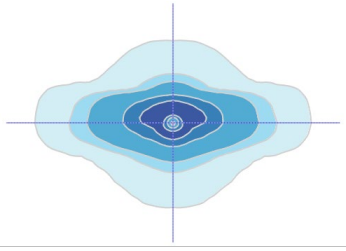
Tolerance on LED flux is ± 7% and on total luminaire power ± 5 %

Hiflex1&2

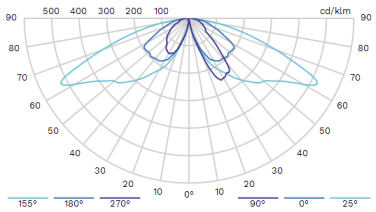
HI FLEX™ 1&2

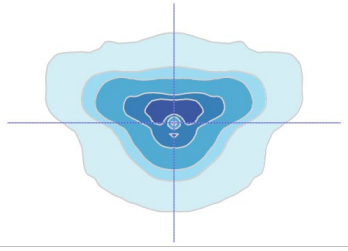
5424 Narrow





5426 Medium





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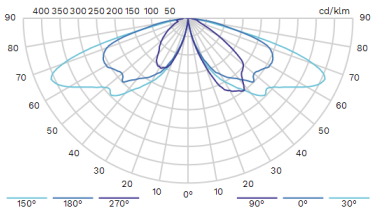
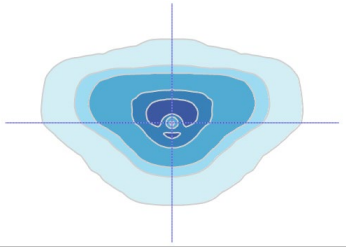
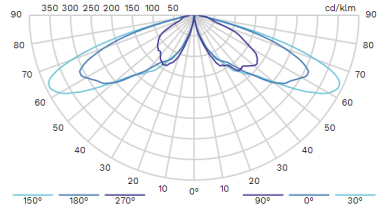
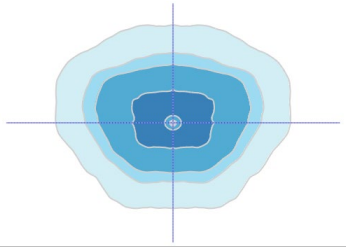


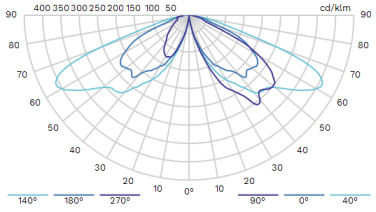


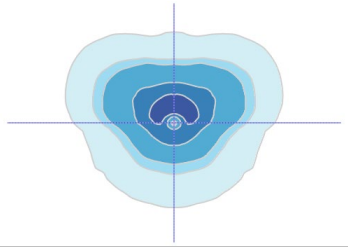
5425 Wide





5427 Extra-Wide



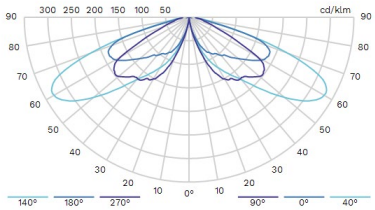


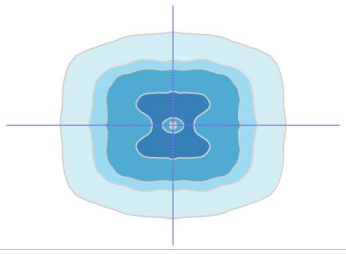
HiFlex 2

HI FLEX™ 2

5445

Wide
Symmetrical

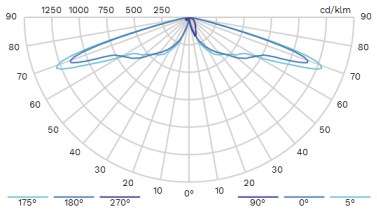


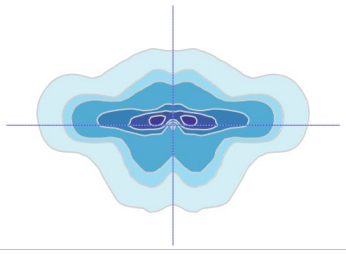


LensoFlex4

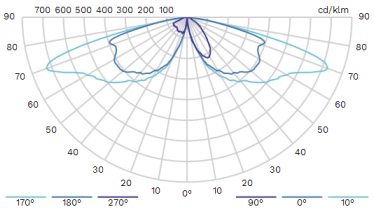
LENSO FLEX™4

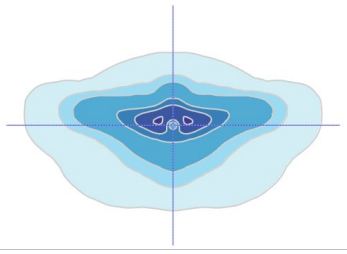
5300 Ultra-Narrow



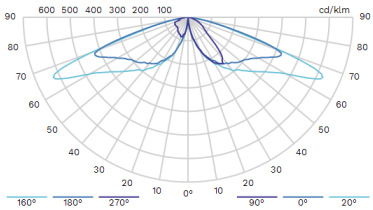


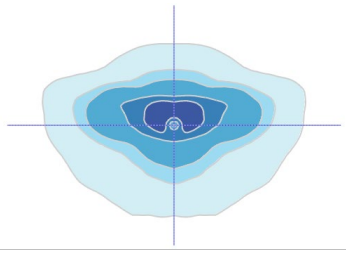
5301 Narrow





5303 Medium





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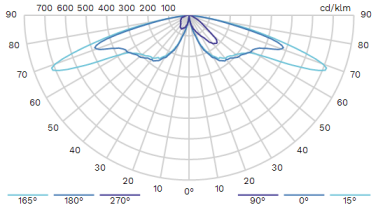

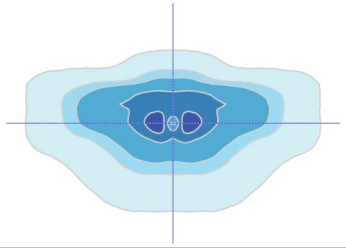

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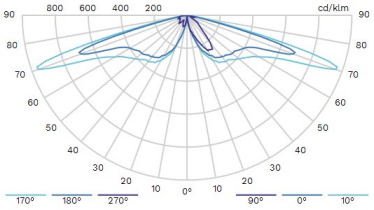

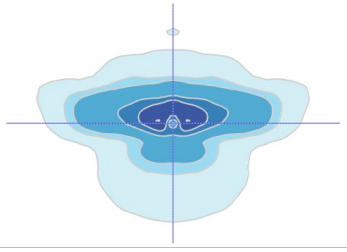

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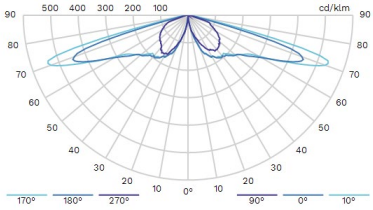
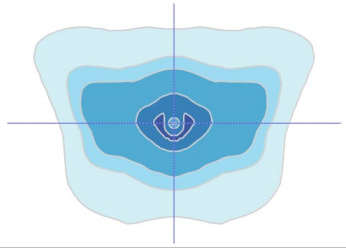
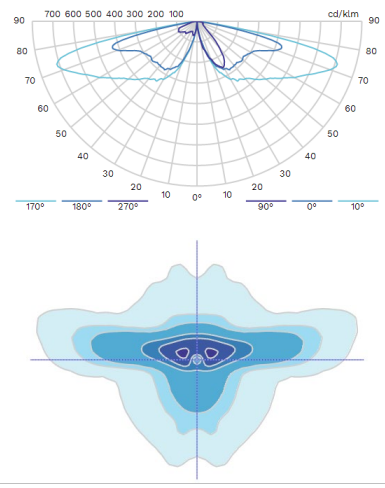
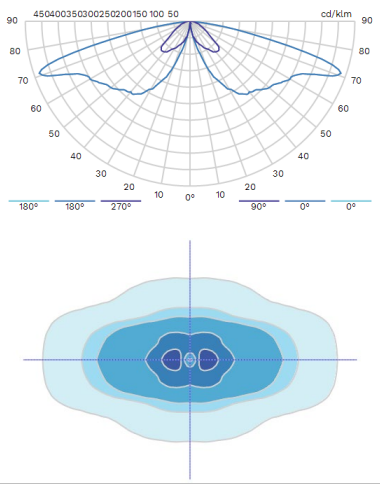




LENSO FLEX 4 5399 Medium



LENSO FLEX 4 50006 Medium Symmetrical



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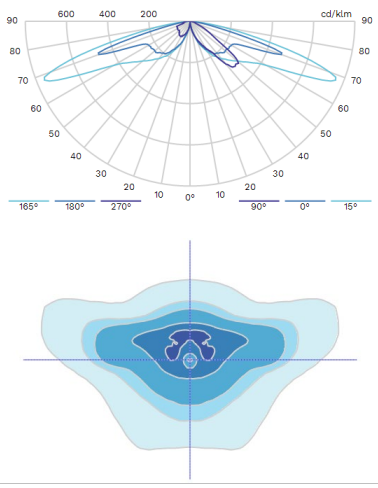

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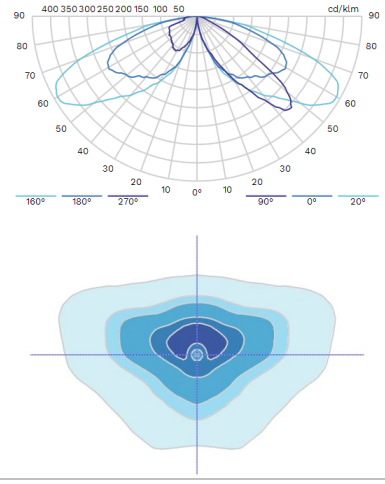

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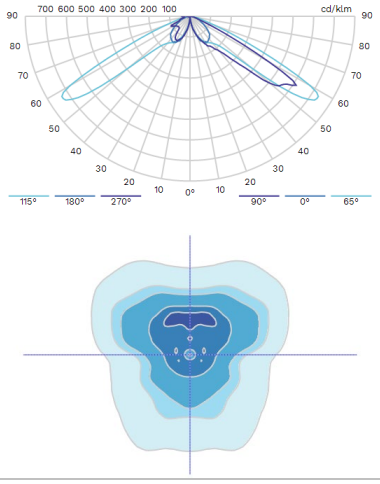

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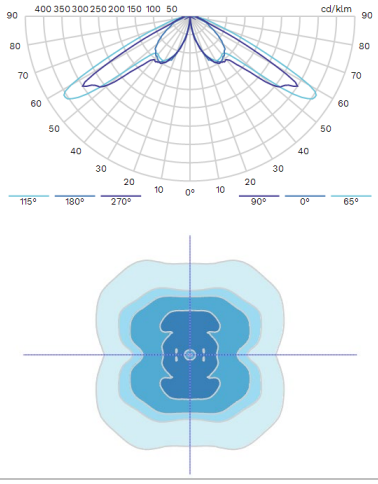
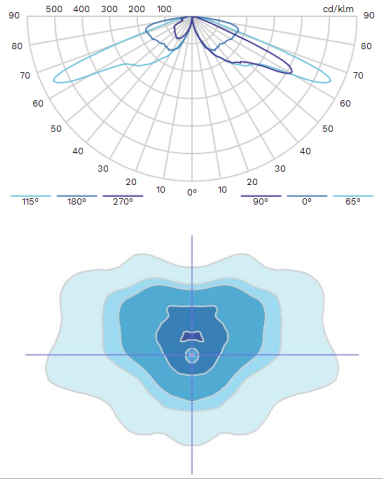


5393 Ultra-Wide



50008 Ultra-Wide Symmetrical