# TECEO GEN2


Designer : Michel Tortel

LENSO FLEX™ 4

HI FLEX™ 1&2

HI FLEX™ 2

## Lighting in an efficient and sustainable manner

TECEO GEN2 is an optimisation of a market benchmark recognised by independent bodies. The first generation of this successful luminaire has enabled thousands of towns and cities to improve lighting levels, generate energy savings and reduce their ecological footprint.

Thanks to its broad range of lumen packages, its impressive scope of light distributions and its various control options, TECEO GEN2 provides the ideal solution for lighting numerous environments; from bike paths, squares and car parks to residential streets, urban roads, large avenues and motorways.

Designed for a versatile mounting with the same universal piece allowing both side-entry and post-top fixation on a spigot, TECEO GEN2 is easy to combine with standard poles, refined brackets or wall brackets.

IP 66 | IK 09 | IK 10

UL 1598 CSA C22.2 No. 250.0 | 005 certification

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

## Concept

TECEO GEN2 is composed of three different parts in aluminium, with a top opening. The hinges of the top cover open 120° to provide access to the gear compartment.

TECEO GEN2 can be fitted with LensoFlex® and HiFlex photometric engines, protected by a tempered glass.

The TECEO GEN2 range offers optimised photometrical performance with a minimum total cost of ownership. It takes advantage of the latest photometric innovations. The LensoFlex® and HiFlex platforms offer flexible, energy-efficient photometric solutions that can be tailored to meet the specific lighting needs of any project while maximising savings and providing a quick return on investment.

This highly efficient luminaire is available in three sizes to offer towns and cities the ideal tool to improve lighting levels, generate energy savings and reduce their ecological footprint.

TECEO S has been designed for low-height applications such as residential streets, car parks and bike paths. The TECEO GEN2 1 is ideally suited to lighting urban roads and squares, while the TECEO GEN2 2 is perfect for large roads, avenues and motorways.

The complete range is available with three different universal fixation parts adapted for post-top and side-entry mounting on various spigots (Ø32mm with adapter, Ø42-48mm, Ø60mm and Ø76mm). A dedicated Ø60mm penetrating spigot is also available. The inclination angle can be adjusted on-site for both post-top (0 to +15°) and side-entry (0 to -15°) configurations.

TECEO GEN2 offers highly efficient photometrical platforms.

To remain as open and interoperable as possible, the TECEO GEN2 is available with both NEMA or Zhaga sockets and complies with the ZD4i standard.

The TECEO GEN2 range offers universal fixations for spigots ranging from Ø32 to Ø76mm. It is also available with a dedicated Ø60mm penetrating spigot.

The inclination angle can be adjusted on-site for both post-top (0 to +15°) and side-entry (0 to -15°) configurations.

## TYPES OF APPLICATION

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

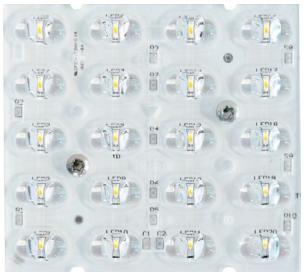
## KEY ADVANTAGES

- 3 sizes to provide the most accurate solutions for numerous road and urban applications
- Maximised savings in energy and maintenance costs
- Dark sky compliant: ULOR = 0%, no up-light
- Universal fixation adapted for side-entry and post-top mounting
- Connected-ready for your future Smart city requirements
- Based on open and interoperable standards
- Compatible with the Schréder EXEDRA control platform
- Zhaga-D4i certified
- High photometric performance
- LensoFlex®4 versatile solutions for high-end photometries maximising comfort and safety
- HiFlex photometric engine designed for optimised energy efficiency

## 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™

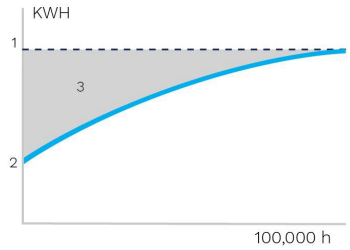
The HiFlex platform is expertly designed to optimise energy efficiency. Its photometric engines feature high-power LEDs that deliver exceptional performance while consuming minimal energy, resulting in unmatched efficacy (lm/W).

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.

## Constant Light Output (CLO)

This system compensates for the depreciation of luminous flux to avoid excess lighting at the beginning of the installation's service life. Luminous depreciation over time must be taken into account to ensure a predefined lighting level during the luminaire's useful life.

Without a CLO feature, this simply means increasing the initial power upon installation in order to make up for luminous depreciation. By precisely controlling the luminous flux, the energy needed to reach the required level can be maintained throughout the luminaire's life.

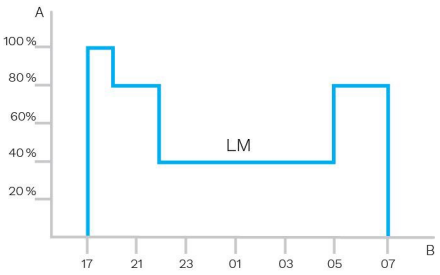



1. Standard lighting level | 2. LED lighting consumption with CLO | 3. Energy savings

## 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.

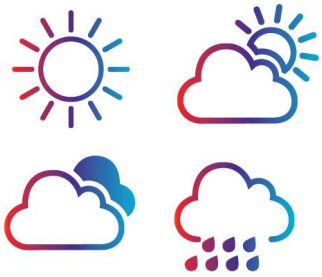
The period between switching on and switching off is used to activate the preset dimming profile. The customised dimming system generates maximum energy savings while respecting the required lighting levels and uniformity throughout the night.




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.



## 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.

**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

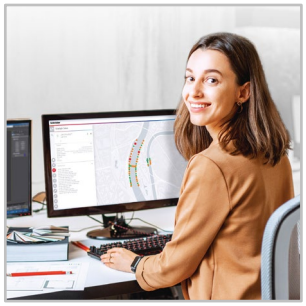
With EXEDRA, Schréder has taken a technology-agnostic approach: we rely on open standards and protocols to design an architecture able to interact seamlessly with third-party software and hardware solutions. Schréder EXEDRA is designed to unlock complete interoperability, as it offers the ability to:

- 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

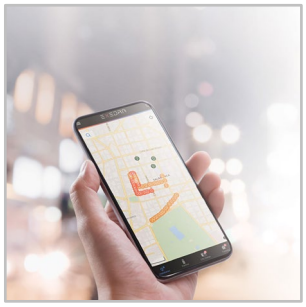
Data is gold. Schréder EXEDRA brings it with all the clarity managers need to drive decisions. The platform collects massive amounts of data from end devices and, aggregates, analyses and intuitively displays them to help end-users take the right actions.

## Protected on every side

ISO 27001
BUREAU VERITAS
Certification

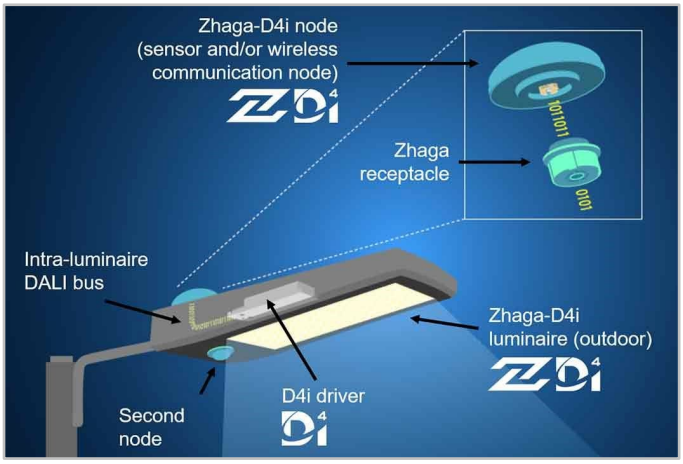
Schréder EXEDRA provides state-of-the-art data security with encryption, hashing, tokenisation, and key management practices that protect data across the whole system and its associated services. The whole platform is ISO 27001 certified. It demonstrates that Schréder EXEDRA meets the requirements for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

**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


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

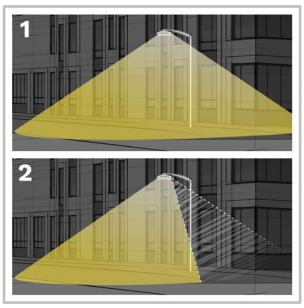
A Zhaga-D4i certified luminaire includes drivers offering features that had previously been in the control node, like energy metering, which has in turn simplified the control device therefore reducing the price of the control system.

## 2 sockets: top and bottom

The Zhaga socket is small and suited to applications where aesthetics is essential. The architecture of Zhaga-D4i also foresees the possibility of putting two sockets on one luminaire, allowing for instance, the combination of a detection sensor and a control node. This also has the added value of standardising certain detection sensor communications with the D4i protocol.

**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.**

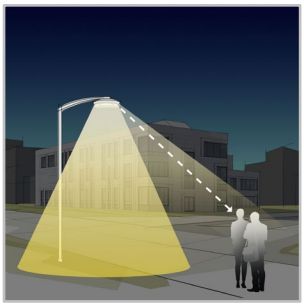
## Direct the light only where it is wanted and needed




1. Without backlight
2. With backlight

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.

## 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.

## Choose a Dark Sky certified luminaire


The International Dark-Sky Association (IDA) is the recognised authority on light pollution. It provides leadership, tools and resources to industries and companies willing to reduce light pollution. The IDA's Fixture Seal of Approval programme certifies outdoor lighting fixtures as being Dark Sky Friendly. All products approved by this programme must comply with the following criteria:

- The light sources shall have a maximum correlated colour temperature of 3000K;
- Uplight allowance limited to 0.5% of total output, or 50 lumens, with no more than
  10 lumens in the 90-100 degree UL zone;
- The luminaires must have a dimming capability to 10% of full rating;
- The luminaires must be equipped with a fixed mounting option;
- The luminaires must have Safety Certification by an independent laboratory.

This approved Schréder range of luminaires complies with these requirements.

## GENERAL INFORMATION

| | |
|---|---|
| Recommended installation height | 4m to 15m \| 13' to 49' |
| Circle Light label | Score ≥90 - The product fully meets circular economy requirements |
| Driver included | Yes |
| CE mark | Yes |
| CB mark | Yes |
| ENEC certified | Yes |
| ENEC+ certified | Yes |
| UL certified | Yes |
| ROHS compliant | Yes |
| Dark Sky friendly lighting (IDA certification) | Yes |
| Zhaga-D4i certified | Yes |
| French law of December 27th 2018 - Compliant with application type(s) | a, b, c, d, e, f, g |
| BE 005 certified | Yes |
| RCM mark | Yes |
| UKCA marking | Yes |
| Testing standard | EN 60598-1<br>EN 60598-2-3:2003/A1:2011<br>UL 1598<br>CSA C22.2 No. 250.0<br>ANSI C 136-31 |

## HOUSING AND FINISH

| | |
|---|---|
| Housing | Aluminium |
| Optic | PMMA |
| Protector | Tempered glass |
| Housing finish | Polyester powder coating |
| Standard colour(s) | AKZO grey 900 sanded |
| Tightness level | IP 66 |
| Impact resistance | IK 08, IK 09, IK 10 |
| Vibration test | Compliant with ANSI 1.5G and 3G and modified IEC 68-2-6 (0.5G) |
| Access for maintenance | By loosening screws on the top cover<br>Tool-less access to gear compartment (option) |

*· Any other RAL or AKZO colour upon request*

## OPERATING CONDITIONS

| | |
|---|---|
| Operating temperature range (Ta) | -40°C up to +55°C / -40°F up to 131°F with wind effect |

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

## ELECTRICAL INFORMATION

| | |
|---|---|
| Electrical class | Class 1 US, Class I EU, Class II EU |
| Nominal voltage | 120-277V – 50-60Hz<br>220-240V – 50-60Hz<br>347V - 50-60Hz |
| Surge protection options (kV) | 6<br>10 |
| Electromagnetic compatibility (EMC) | EN 55015 / EN 61000-3-2 / EN 61000-4-5 / EN 61547 |
| Control protocol(s) | 1-10V, DALI |
| Control options | AmpDim, Bi-power, Custom dimming profile, Photocell, Remote management |
| Socket | Zhaga (optional)<br>NEMA 7-pin (optional) |
| Associated control system(s) | Schréder EXEDRA |
| Sensor | PIR (optional) |

## OPTICAL INFORMATION

| | |
|---|---|
| LED colour temperature | 2200K (Warm White WW 722)<br>2700K (Warm White WW 727)<br>3000K (Warm White WW 730)<br>3000K (Warm White WW 830)<br>4000K (Neutral White NW 740)<br>5700K (Cool White CW 757) |
| Colour rendering index (CRI) | >70 (Warm White WW 722)<br>>70 (Warm White WW 727)<br>>70 (Warm White WW 730)<br>>80 (Warm White WW 830)<br>>70 (Neutral White NW 740)<br>>70 (Cool White CW 757) |
| ULOR | 0% |
| ULR | 0% |

*· Meets IDA Dark Sky requirements when fitted with LEDs of 3000K or less.*
*· 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 |

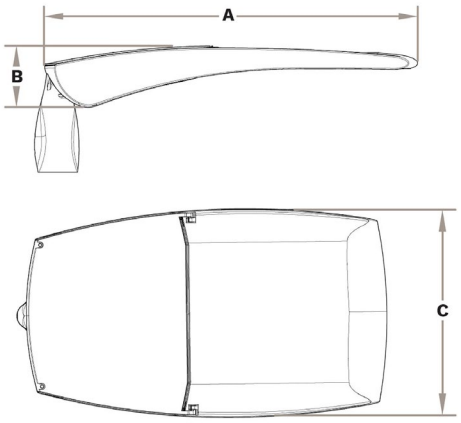
*· Lifetime may be different according to the size/configurations. Please consult us.*

## DIMENSIONS AND MOUNTING

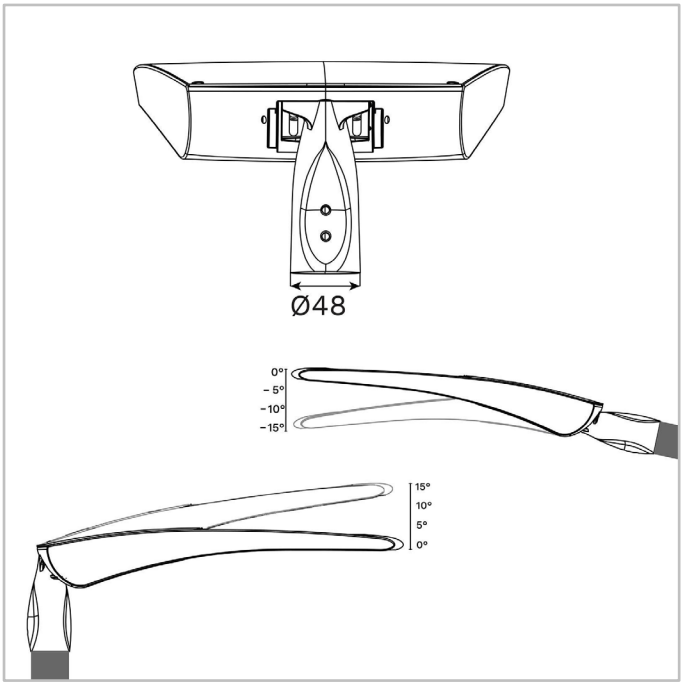
| | |
|---|---|
| AxBxC (mm \| inch) | TECEO S : 450x99x252 \| 17.7x3.9x9.9<br>TECEO GEN2 1 : 580x107x310 \| 22.8x4.2x12.2<br>TECEO GEN2 2 : 740x118x427 \| 29.1x4.6x16.8 |
| Weight (kg \| lbs) | TECEO S : 5.1 \| 11.2<br>TECEO GEN2 1 : 7.9 \| 17.4<br>TECEO GEN2 2 : 14.2 \| 31.2 |
| Aerodynamic resistance (CxS) | TECEO S : 0.04<br>TECEO GEN2 1 : 0.06<br>TECEO GEN2 2 : 0.06 |
| Mounting possibilities | Side-entry slip-over – Ø32mm<br>Side-entry slip-over – Ø42mm<br>Side-entry slip-over – Ø48mm<br>Side-entry slip-over – Ø60mm<br>Side-entry slip-over – Ø76mm<br>Side-entry penetrating – Ø60mm<br>Post-top slip-over – Ø32mm<br>Post-top slip-over – Ø42mm<br>Post-top slip-over – Ø48mm<br>Post-top slip-over – Ø60mm<br>Post-top slip-over – Ø76mm<br>Post-top penetrating – Ø60mm |

*· Size and weight may be different according to the configuration. Please consult us for more information.*

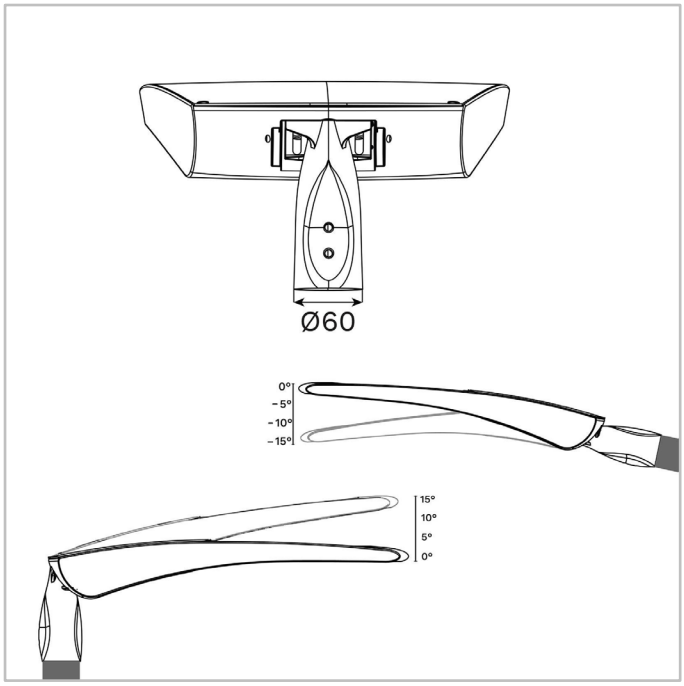
*· To meet International Dark Sky requirements, a fixed mount must be selected (+/- 15˚ allowable to permit leveling so that the luminaire is parallel to the road [0° final tilt]).*



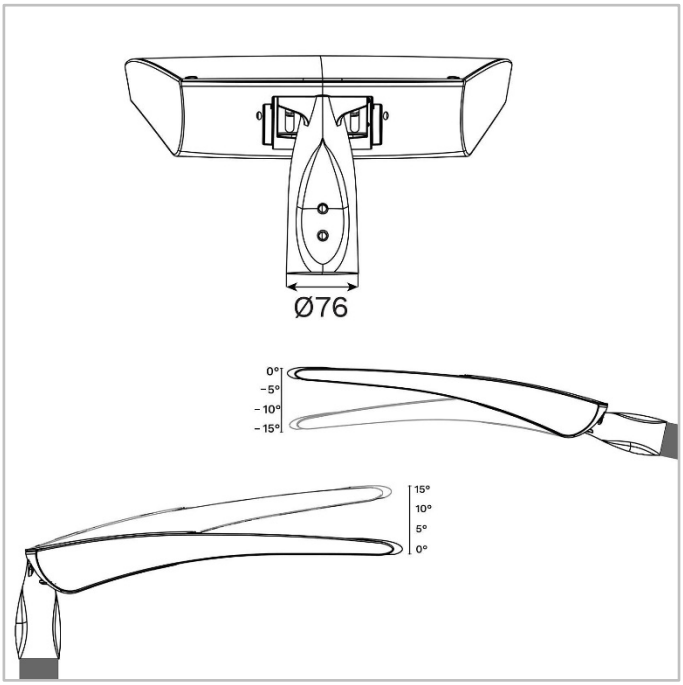
## TECEO GEN2 | TECEO GEN2 1 and TECEO GEN2 2 - Slip-over mounting for Ø48mm spigot - 2xM10 screws



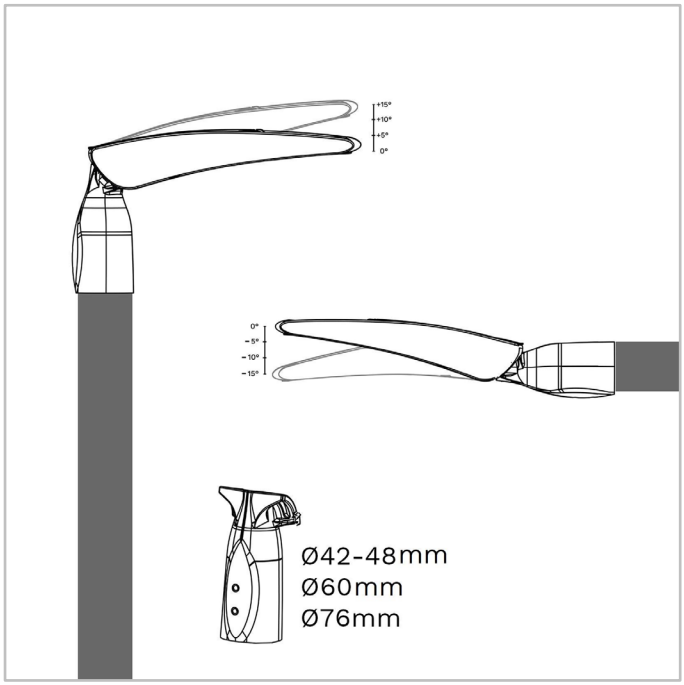

## TECEO GEN2 | TECEO GEN2 1 and TECEO GEN2 2 - Slip-over mounting for Ø60mm spigot - 2xM10 screws



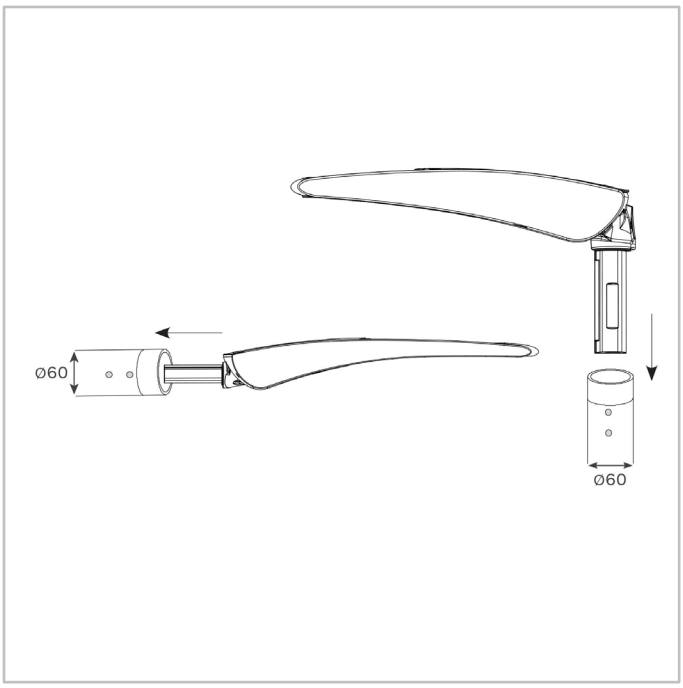

## TECEO GEN2 | TECEO GEN2 1 and TECEO GEN2 2 - Slip-over mounting for Ø76mm spigot - 2xM10 screws




## TECEO GEN2 | TECEO S - Slip-over mountings for Ø32 (with adapter), Ø42-48mm, Ø60mm or Ø76mm spigots - 2xM10 screws



## TECEO GEN2 | TECEO S, TECEO GEN2 1 and TECEO GEN2 2 - penetrating mounting for Ø60mm spigots - 2xM8 screws



TECEO S

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 | | Neutral White NW 740 | | | | |
| Number of LEDs | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Up to |
| 24 | 1200 | 6000 | 1300 | 6800 | 1400 | 7100 | 1500 | 7600 | 11 | 52 | 161 |
| 36 | 1800 | 7600 | 2000 | 8600 | 2100 | 9000 | 2200 | 9700 | 15 | 60 | 173 |

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

TECEO S

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 | | Neutral White NW 740 | | | | |
| Number of LEDs | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Up to |
| 24 | 1200 | 6000 | 1300 | 6800 | 1400 | 7100 | 1500 | 7600 | 11 | 52 | 161 |
| 36 | 1800 | 7600 | 2000 | 8600 | 2100 | 9000 | 2200 | 9700 | 15 | 60 | 173 |

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

TECEO S

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 | | Cool White CW 757 | | | | |
| Number of LEDs | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Up to |
| 10 | 400 | 3200 | 400 | 3600 | 500 | 3900 | 400 | 3600 | 500 | 4200 | 500 | 4000 | 7 | 35 | 156 |
| 20 | 800 | 6500 | 900 | 7300 | 1000 | 7800 | 900 | 7300 | 1100 | 8500 | 1000 | 8100 | 13 | 66 | 165 |
| 25 | 1900 | 7700 | 2100 | 8600 | 2300 | 9300 | 2100 | 8600 | 2500 | 10000 | 2300 | 9600 | 16 | 77 | 171 |

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

TECEO GEN2 1

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 | | Neutral White NW 740 | | | | |
| Number of LEDs | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Up to |
| 48 | 2400 | 12100 | 2800 | 13600 | 2900 | 14200 | 3100 | 15300 | 19 | 99 | 174 |
| 72 | 3600 | 14000 | 4000 | 15800 | 4200 | 16400 | 4500 | 17600 | 29 | 105 | 176 |

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

TECEO GEN2 1

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 | | Neutral White NW 740 | | | | |
| Number of LEDs | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Up to |
| 48 | 2400 | 12100 | 2800 | 13600 | 2900 | 14200 | 3100 | 15300 | 19 | 99 | 174 |
| 72 | 3600 | 14000 | 4000 | 15800 | 4200 | 16400 | 4500 | 17600 | 29 | 105 | 176 |

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

TECEO GEN2 1

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 | | Cool White CW 757 | | | | |
| Number of LEDs | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Up to |
| 20 | 800 | 6400 | 900 | 7200 | 1000 | 7700 | 900 | 7200 | 1100 | 8400 | 1000 | 8000 | 13 | 66 | 165 |
| 25 | 1900 | 7500 | 2100 | 8400 | 2200 | 9000 | 2100 | 8400 | 2400 | 9800 | 2300 | 9300 | 16 | 77 | 166 |
| 30 | 1200 | 9700 | 1400 | 10800 | 1500 | 11600 | 1400 | 10800 | 1600 | 12600 | 1500 | 12000 | 19 | 96 | 175 |
| 40 | 1700 | 12900 | 1900 | 14400 | 2000 | 15500 | 1900 | 14400 | 2200 | 16800 | 2100 | 16000 | 24 | 130 | 179 |
| 50 | 3800 | 15000 | 4200 | 16800 | 4500 | 18100 | 4200 | 16800 | 4900 | 19600 | 4700 | 18700 | 30 | 152 | 174 |

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

TECEO GEN2 2

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 | | Neutral White NW 740 | | | | |
| Number of LEDs | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Up to |
| 72 | 3700 | 17600 | 4200 | 19900 | 4400 | 20700 | 4700 | 22300 | 29 | 148 | 168 |
| 96 | 5000 | 23400 | 5700 | 26500 | 5900 | 27500 | 6400 | 29600 | 39 | 198 | 169 |
| 108 | 5400 | 19800 | 6200 | 22400 | 6400 | 23300 | 6900 | 25100 | 43 | 153 | 175 |
| 144 | 7300 | 26100 | 8300 | 29500 | 8600 | 30600 | 9300 | 33000 | 58 | 202 | 174 |
| 216 | 11100 | 28600 | 12600 | 32300 | 13100 | 33600 | 14100 | 36100 | 86 | 210 | 177 |

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

TECEO GEN2 2

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 | | Neutral White NW 740 | | | | |
| Number of LEDs | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Up to |
| 72 | 3700 | 17600 | 4200 | 19900 | 4400 | 20700 | 4700 | 22300 | 29 | 148 | 168 |
| 96 | 5000 | 23400 | 5700 | 26500 | 5900 | 27500 | 6400 | 29600 | 39 | 198 | 169 |
| 108 | 5400 | 19800 | 6200 | 22400 | 6400 | 23300 | 6900 | 25100 | 43 | 153 | 175 |
| 144 | 7300 | 26100 | 8300 | 29500 | 8600 | 30600 | 9300 | 33000 | 58 | 202 | 174 |
| 216 | 11100 | 28600 | 12600 | 32300 | 13100 | 33600 | 14100 | 36100 | 86 | 210 | 177 |

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

TECEO GEN2 2

Photometry

LENSO FLEX™4

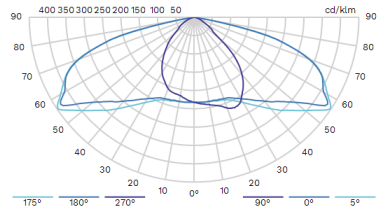
| | Luminaire output flux (lm) | | | | | | | | | | | | Power consumption (W) | | Luminaire efficacy (lm/W) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Warm White WW 722 | | Warm White WW 727 | | Warm White WW 730 | | Warm White WW 830 | | Neutral White NW 740 | | Cool White CW 757 | | | | |
| Number of LEDs | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Up to |
| 50 | 2100 | 15300 | 2300 | 17100 | 2500 | 18400 | 2300 | 17100 | 2700 | 19900 | 2600 | 19000 | 30 | 159 | 182 |
| 60 | 2500 | 16900 | 2800 | 18900 | 3000 | 20300 | 2800 | 18900 | 3300 | 21900 | 3100 | 20900 | 35 | 163 | 184 |
| 75 | 5700 | 17400 | 6400 | 19500 | 6900 | 21000 | 6400 | 19500 | 7400 | 22700 | 7100 | 21600 | 44 | 160 | 174 |
| 80 | 3400 | 22500 | 3800 | 25200 | 4100 | 27100 | 3800 | 25200 | 4400 | 29300 | 4200 | 27900 | 46 | 218 | 187 |
| 100 | 4200 | 27300 | 4700 | 30500 | 5100 | 32800 | 4700 | 30500 | 5500 | 35400 | 5200 | 33800 | 58 | 268 | 187 |
| 120 | 5100 | 30000 | 5700 | 33600 | 6100 | 36100 | 5700 | 33600 | 6600 | 39000 | 6300 | 37300 | 71 | 280 | 184 |
| 150 | 11500 | 34200 | 12900 | 38300 | 13900 | 41200 | 12900 | 38300 | 15000 | 44500 | 14300 | 42500 | 88 | 320 | 175 |

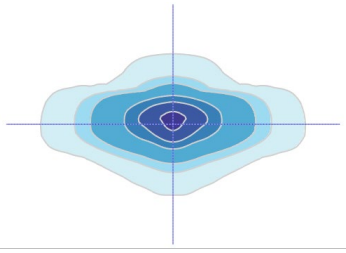
Tolerance on LED flux is ± 7% and on total luminaire power ± 5 %

Hiflex1&2

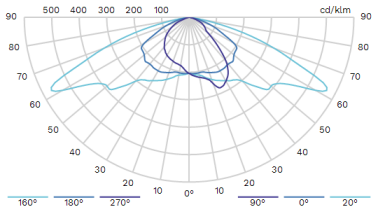
HI FLEX™ 1&2

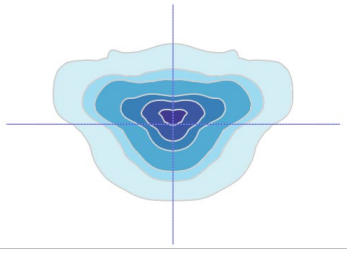
5424 Narrow



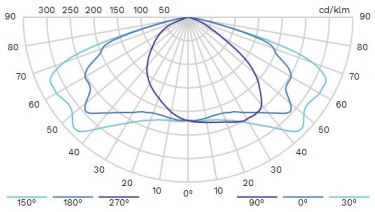



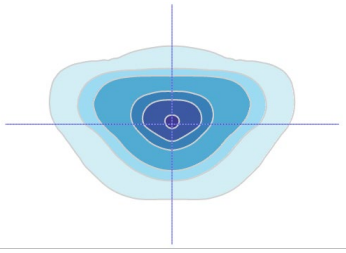
5426 Medium



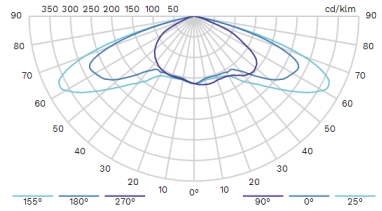



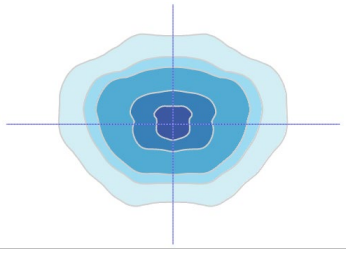
5428 Medium



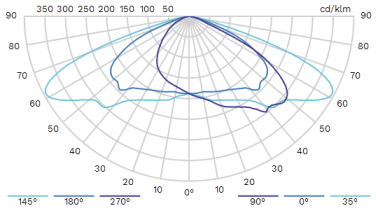



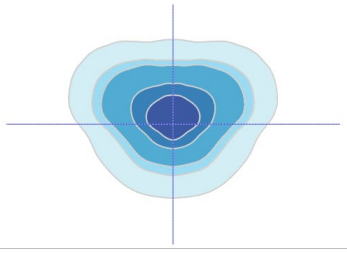
5425 Wide



5427 Extra-Wide

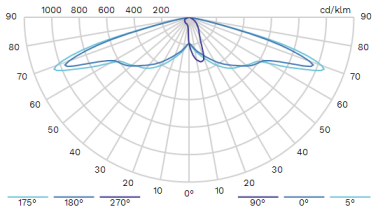


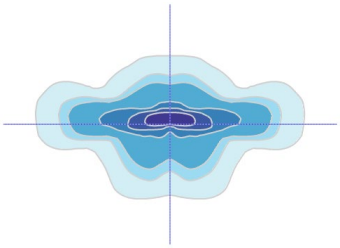



LensoFlex4

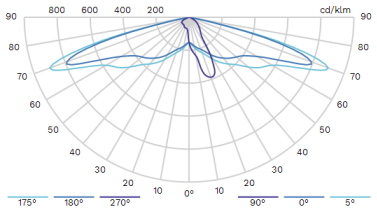
LENSO FLEX™4

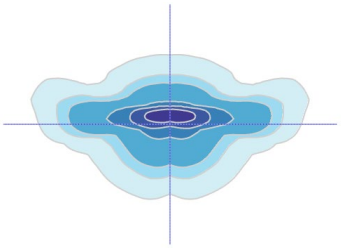
5300 Ultra-Narrow



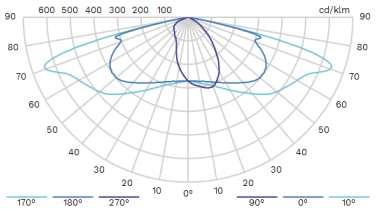



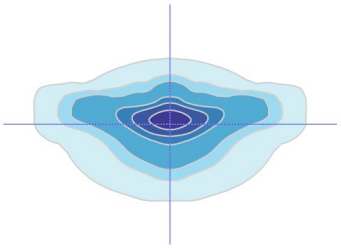
5390 Ultra-Narrow



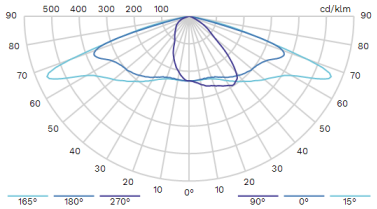



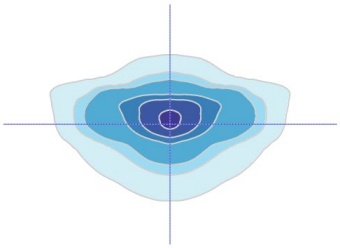
5301 Narrow



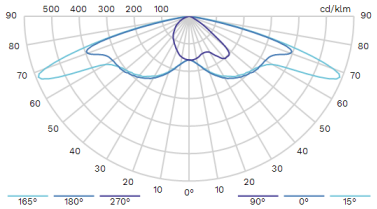



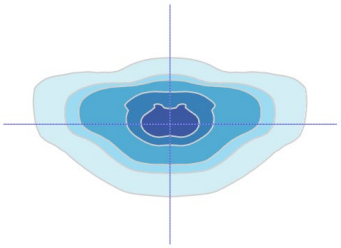
5303 Medium



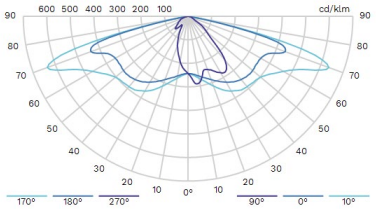



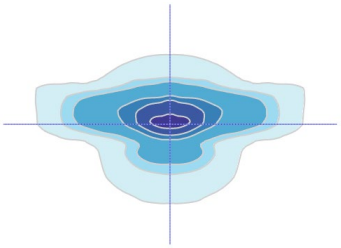
5305 Medium



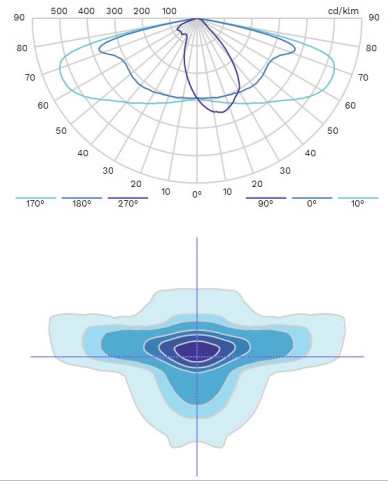



5306 Medium

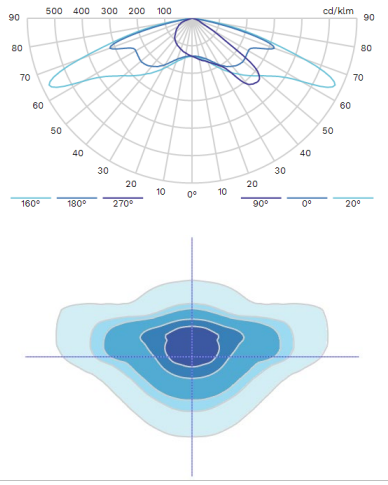


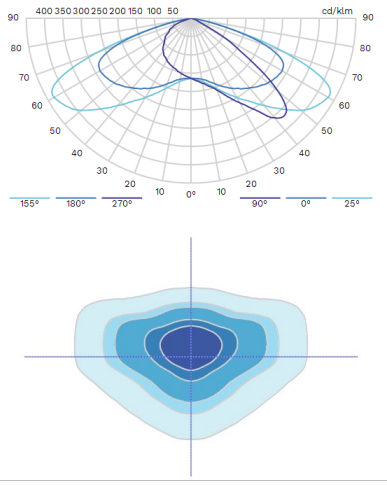
LENSO FLEX™4 5399 **Medium**



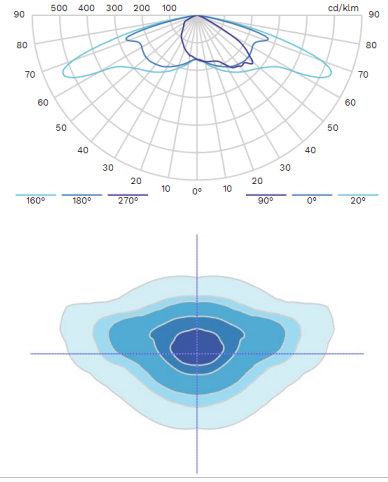

LENSO FLEX™4 5307 **Wide**



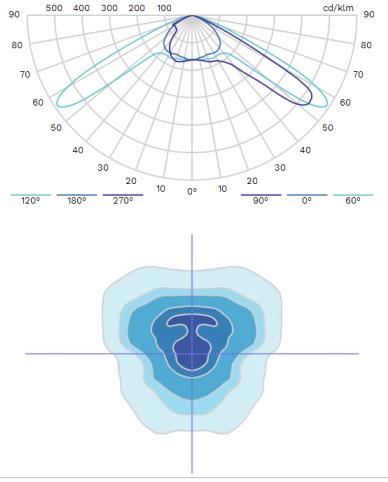

LENSO FLEX™4 5308 **Wide**



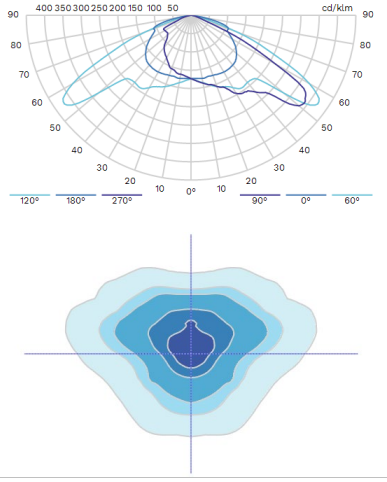

LENSO FLEX™4 50009 **Wide**



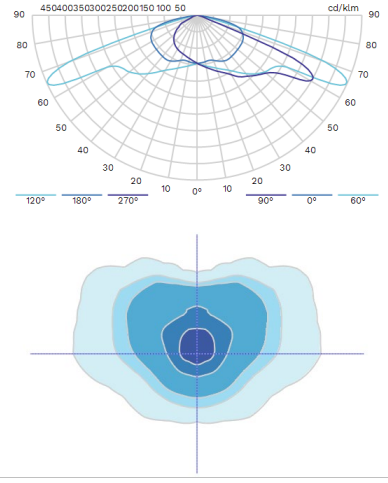

LENSO FLEX™4 5366 **Extra-Wide**



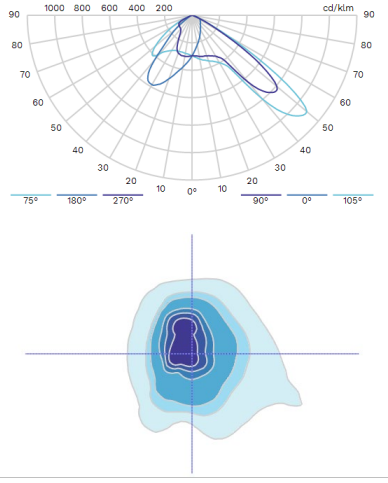

LENSO FLEX™4 50010 **Extra-Wide**




LENSO FLEX™4 5393 **Ultra-Wide**




LENSO FLEX™4 5370 **Zebra Left**




LENSO FLEX™4 5369 **Zebra Right**