FLEXIA











CE



RESIDENTIAL

STREETS

owlet[®]



LENSO





a safe and attractive environment.



PEDESTRIAN AREAS

The ultimate platform for your unique

Various designs, many configurations, one single DNA.

FLEXIA is the ultimate platform to create your unique urban lighting solution. Focus on creating a unique ambiance for people living and visiting your spaces instead of dealing with non-stop constraints. With no technical limitations, more design consistency and the guarantee of the latest innovations, FLEXIA offers a versatile

technological platform with refined aesthetics. The FLEXIA range incorporates a refined design and state-of-the art LED technology to provide an energy-efficient lighting solution that enhances city streets while preventing light

pollution. Ideal for large boulevards, city centres, public squares, bike paths and other urban outdoor areas, FLEXIA delivers a high-quality lighting with design consistency and lowers the carbon footprint for towns and cities - creating

urban lighting solution

MOTORWAYS

FLEXIA | SUMMARY

Schréder

Concept

FLEXIA is a complete urban and decorative platform designed to provide the greatest modularity and easy customisation. FLEXIA Midi is a versatile luminaire, designed for sideentry or suspended mounting. It is composed of an aluminium body sealed with a glass protector while FLEXIA Top provides an aesthetical post-top solution with a polycarbonate protector (also for suspended variants). Various internal aesthetic options such as the Coppa or the Quattro accessories complement the range. FLEXIA offers three different decorative crowns: the Mona as standard and the Lisa or Scala as options. Both the Lisa and Scala crowns can have a customised finish (colour, pattern, texture) to enhance your identity.

FLEXIA Midi and FLEXIA Top are based on the same technical architecture. They both rely on the new LensoFlex®4 photometrical engine, developed on a concept of performance, darksky compliance (PureNight) and versatility, and both use the same CR-Kit that regroups the LEDs, lenses, gear and electrical accessories on a tool-free removable unit. This standardisation of internal components enables an easier and more cost-effective management of spare parts. To simplify installation, the FLEXIA range is delivered pre-cabled. It also uses the patented IzyHub compact connection and connectivity module which is designed for quick, error-proof wiring.

The FLEXIA luminaires offer tool-free access to the gear compartment. For safety reasons, they include an instant electrical disconnection on opening.

The FLEXIA range is available with various connectivity options (NEMA or Zhaga), sensors and the FlexiWhite solution that adapts the colour temperature of the lighting to the need of the space and the moment. Thanks to tool-free access to the optical compartment, Croma coloured filters can be added any time to create a special atmosphere for events.

Built with recyclable materials and with an architecture designed for easy service, FLEXIA is a role model for a circular economy.

TYPES OF APPLICATION

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

KEY ADVANTAGES

- State-of-the-art LED modular platform that can be endlessly customised
- Design consistency for all urban applications
- Numerous mounting possibilities (posttop, side-entry and suspended)
- Tool-free philosophy: opening, cabling and LED engine removal
- PureNight: dark-sky and low-glare lighting distributions
- FlexiWhite option for human-centric and nature-friendly scenarios
- Supplied pre-cabled to facilitate its installation
- Smart-city ready (NEMA) and ZD4i compliant (Zhaga)



FLEXIA Top offers a slip-over mounting on Ø60 or Ø76mm spigots. It is also available for suspended variants.



FLEXIA Midi is designed for side-entry mounting with the versatile Sofia bracket, enabling numerous configurations.



FLEXIA includes an instant electrical disconnection on opening and a complete tool-free removable LED engine.



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

FLEXIA | VERSIONS

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FLEXIA | Midi | Sofia bracket



FLEXIA | Top



FLEXIA | Midi | Evens bracket



FLEXIA | Midi | suspended with Top protector



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FLEXIA | Midi | catenary



FLEXIA | Midi + Top | with Coppa



FLEXIA | Midi | available crowns







FLEXIA | PHOTOMETRY

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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.

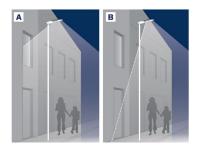
LensoFlex[®]4 optics can feature backlight control to prevent intrusive lighting, or a glare limiter for high visual comfort.



Back Light control

As an option, the LensoFlex $^{\rm B}2$ and LensoFlex $^{\rm B}4$ 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

FLEXIA | CONTROL SYSTEMS

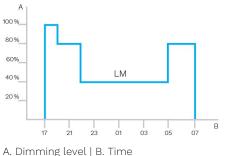
Schréder



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.





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.



FLEXIA | IzyHub connection and connectivity module

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IzyHub is an innovative device that aims to keep luminaire installation and maintenance hassle-free. This single central connection hub distributes electricity and control information to all parts of the luminaire, ensuring that all components work together and offering reliable, long-term performance.

Its compact size and error-proof connections enable smaller and lighter luminaires that are easier to maintain and upgrade.



Easy maintenance

On the rare occasion that a component needs to be replaced in the luminaire, IzyHub makes sure that operations are carried out quickly and easily. Luminaire component connections are keyed so that mixing up electrical connections is physically impossible. Installers do not need to trace wires individually: plug it in, and it works straight away.



Versions and upgrades

IzyHub has several versions featuring different connectivity. IzyHub can include an SPD, can work with external dimming and operate with all type of control sockets. It is also able to provide bipower control and to include fuse options.

These options provide flexibility for future upgrades by only having to replace the IzyHub to connect the new equipment. No complicated re-wiring needed.

Surge Protection

IzyHub features a built-in surge protection device. This prevents electrical surges resulting from lightning strikes and other transient voltages that originate from the mains network from damaging the luminaire, even in the most demanding conditions. The protective device also includes an end-of-life LED warning light, indicating that the luminaire is protected correctly.

User-friendly

Installing a luminaire has never been easier. IzyHub features toolfree connector as the main connection terminal. It enables 30% shorter installation times compared with standard solutions. Lever actuated spring-loaded electrical connectors provide optimal contact throughout the entire life of the product.



FLEXIA | Owlet IoT

Nowlet 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%.

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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 userfriendly 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.

FLEXIA | Bluetooth solution

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The Schréder Bluetooth solution consists of 3 main components:

• A Bluetooth dongle plugged into the modular driver of the luminaire (BLE transceiver)

- A Bluetooth antenna fitted on the luminaire
- A smartphone application called Sirius BLE



Easy to use

The Schréder Bluetooth solution is ideal for the on-site configuration of individual outdoor luminaires using Bluetooth. From the ground, the user is able to switch the luminaire on or off, adapt the dimming curve, read diagnostic data and much more. A userfriendly application called Sirius BLE provides an easy and secure access to the control and configuration functions.

Whether you are managing a lighting network in an urban or a residential area, this solution will make it easy to control your outdoor luminaires while simply standing by the pole.

Quick and easy pairing

Get the Sirius App from Schréder. Go to the menu. Press the "SCAN DEVICE (START)" button, to search for the surrounding BLE modules. They will be displayed with a bar graphic (signal intensity) to indicate the closest and the most distant one you can reach. Click on the device you want to connect to and enter your personal access key to control the luminaire.





Defining the settings

Once you are connected to a luminaire, you can set various parameters such as the maximum output current, minimum dimming level and custom dimming profile.



Manual dimming control

The App enables you to do a manual override to adapt the dimming levels instantly. Simply tap on the "Dimming" button in the main menu and adjust the dimming using the wheel and button. Predefined dimming levels can be applied immediately. The corresponding value is displayed on the wheel. This enables you to test the ON / OFF and dimming features of the luminaire paired to the smartphone.



On-site diagnostic

When a luminaire is paired, you can access various diagnostic information: total number of power up events, operation time of LED module and driver, total energy consumption of LED driver... etc. You can also track operating events (short circuits, thermal shutdowns...). The diagnostic values may be the current state or values accumulated to date.





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GENERAL INFORMATION

| GENERAL INFORMATIO | IN |
|--|--|
| Recommended installation height | 4m to 12m 13' to 39' |
| FutureProof | Easy replacement of the photometric engine and electronic assembly on-site |
| Circle Light label | Score >90 - The product fully meets circular economy requirements |
| Driver included | Yes |
| CE Mark | Yes |
| CB Mark | Yes |
| ENEC certified | Yes |
| ROHS compliant | Yes |
| French law of December 27th 2018 - Compliant with application type(s) | a, b, c, d, e, f, g |
| Testing standard | LM 79-08 (all measurements in ISO17025 accredited laboratory) |

HOUSING AND FINISH

| Housing | Aluminium |
|---------------------------|--|
| Optic | PMMA |
| Protector | Tempered glass Polycarbonate |
| Housing finish | Polyester powder coating |
| Standard colour(s) | AKZO grey 900 sanded |
| Tightness level | IP 66 |
| Impact resistance | IK 09 |
| Vibration test | Compliant with modified IEC 68-2-6 (0.5G) |
| Access for maintenance | Tool-less access to gear compartment |
| · 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 I EU, Class II EU |
|--|---|
| Nominal voltage | 220-240V – 50-60Hz |
| Power factor (at full load) | 0.95+ |
| Surge protection options (kV) | 10 |
| Electromagnetic compatibility (EMC) | EN 55015 / EN 61000-3-2 / EN 61000-4-5 / EN 61547 |
| Control protocol(s) | Bluetooth, 1-10V, DALI |
| Control options | AmpDim, Bi-power, Custom dimming profile, Photocell, Remote management |
| Socket | NEMA 7-pin (optional) Optional Zhaga socket - ZD4i certified product |
| Associated control system(s) | Sirius BLE Owlet IoT |
| Sensor | PIR (optional) |
| OPTICAL INFORMATION | |
| LED colour | 2200K (FlexiWhite 722) |
| temperature | 2600K (FlexiWhite 726) 2700K (Warm White 726) 3000K (Warm White 730) 3000K (Warm White 830) 3000K (FlexiWhite 730) 4000K (Neutral White 740) |
| | 2600K (FlexiWhite 726) 2700K (Warm White 727) 3000K (Warm White 730) 3000K (Warm White 830) 3000K (FlexiWhite 730) |

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

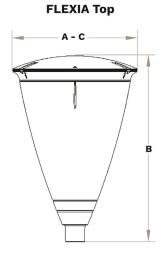
LIFETIME OF THE LEDS @ TQ 25°C

All configurations 100,000h - L95

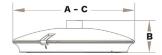
DIMENSIONS AND MOUNTING

| AxBxC (mm inch) | FLEXIA TOP - 504x752x504 19.8x29.6x19.8 |
|------------------------------|---|
| | FLEXIA MIDI - 504x140x504 19.8x5.5x19.8 |
| Weight (kg lbs) | FLEXIA TOP - 10 22.0 |
| | FLEXIA MIDI - 9.6 21.1 |
| Aerodynamic resistance (CxS) | FLEXIA TOP - 0.11 |
| - | FLEXIA MIDI - 0.11 |
| Mounting possibilities | Side-entry slip-over – Ø60mm |
| | Side-entry penetrating – Ø48mm |
| | Post-top slip-over – Ø60mm |
| | Post-top slip-over – Ø76mm |
| | Suspended 1" gas male |
| | Suspended 1" gas female |
| | Catenary |
| | Wall-mounted |
| | |

· Various dedicated brackets, swivelling and direct mountings. Please consult the installation sheets.



FLEXIA Midi



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| | output flux out (lm) | | outpu (lr Warm | inaire It flux m) White 30 | flux output flux) (lm) White Warm White | | | inaire ut flux m) nite 722 | outpu (li Neutra | inaire ut flux m) Il White 40 | outpı (lı | inaire ut flux m) nite 726 | Luminaire output flux (lm) FlexiWhite 730 | | W | lm/W | | | |
|------------|-------------------------|-----|----------------------|--|--|------|------|-------------------------------------|------------------------|---|--------------|-------------------------------------|--|------|------|------|------|----------|------------------------------|
| | Number of LEDs | mA | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | | Up to | Photometry |
| | 10 | 200 | 700 | 800 | 700 | 900 | 700 | 800 | 600 | 700 | 800 | 900 | - | - | - | - | 7.4 | 122 | LENSO FLEX "4 |
| | 10 | 300 | 1000 | 1200 | 1100 | 1300 | 1000 | 1200 | 800 | 1000 | 1100 | 1300 | - | - | - | - | 10.5 | 124 | LENSO FLEX "4 |
| | 10 | 300 | - | - | - | - | - | - | 800 | 1000 | - | - | 900 | 1100 | 1000 | 1200 | 10.7 | 112 | LENSO FLEX [™] 4 |
| | 10 | 400 | 1300 | 1600 | 1400 | 1700 | 1300 | 1600 | 1100 | 1300 | 1500 | 1700 | - | - | - | - | 13.8 | 123 | LENSO FLEX "4 |
| | 10 | 400 | - | - | - | - | - | - | 1100 | 1300 | - | - | 1200 | 1500 | 1300 | 1600 | 13.9 | 115 | LENSO FLEX [™] 4 |
| | 10 | 500 | 1600 | 1900 | 1700 | 2000 | 1600 | 1900 | 1300 | 1600 | 1800 | 2100 | - | - | - | - | 17.2 | 122 | LENSO FLEX "4 |
| | 10 | 500 | - | - | - | - | - | - | 1300 | 1600 | - | - | 1500 | 1800 | 1600 | 1900 | 17.1 | 111 | LENSO FLEX "4 |
| 0 | 10 | 600 | 1800 | 2200 | 2000 | 2300 | 1800 | 2200 | 1500 | 1800 | 2100 | 2500 | - | - | - | - | 20.5 | 122 | LENSO FLEX "4 |
| FLEXIA TOP | 10 | 600 | - | - | - | - | - | - | 1500 | 1800 | - | - | 1700 | 2100 | 1900 | 2200 | 20.5 | 107 | LENSO FLEX [™] 4 |
| | 10 | 650 | 2000 | 2300 | 2100 | 2500 | 2000 | 2300 | 1600 | 2000 | 2200 | 2600 | - | - | - | - | 22.2 | 117 | LENSO FLEX "4 |
| | 10 | 700 | - | - | - | - | - | - | 1800 | 2200 | - | - | 2000 | 2400 | 2200 | 2600 | 23.8 | 109 | LENSO FLEX**4 |
| | 10 | 750 | - | - | - | - | - | - | 1900 | 2300 | - | - | 2200 | 2600 | 2300 | 2800 | 25.2 | 111 | LENSO FLEX**4 |
| | 20 | 200 | 1400 | 1700 | 1500 | 1800 | 1400 | 1700 | 1200 | 1400 | 1600 | 1900 | - | - | - | - | 13.5 | 141 | LENSO FLEX "4 |
| | 20 | 200 | - | - | - | - | - | - | 1200 | 1400 | - | - | 1300 | 1600 | 1400 | 1700 | 13.5 | 126 | LENSO FLEX"4 |
| | 20 | 300 | 2000 | 2400 | 2200 | 2600 | 2000 | 2400 | 1700 | 2100 | 2300 | 2700 | - | - | - | - | 19.6 | 138 | LENSO FLEX"4 |
| | 20 | 300 | - | - | - | - | - | - | 1700 | 2000 | - | - | 1900 | 2300 | 2100 | 2500 | 19.5 | 128 | LENSO FLEX**4 |
| | 20 erance on l | 400 | 2600 | 3200 | 2800 | 3400 | 2600 | 3200 | 2200 | 2700 | 3000 | 3500 | - | - | - | - | 26 | 135 | LENSO FLEX "4 |

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| | | Lumir output fl Warm ' 72 | | flux (lm) White | outpı (lı Warm | Luminaire output flux (lm) Warm White 730 | | Luminaire output flux (lm) Warm White 830 | | inaire It flux m) hite 722 | Luminaire output flux (lm) Neutral White 740 | | Luminaire output flux (lm) FlexiWhite 726 | | Luminaire output flux (lm) FlexiWhite 730 | | W | lm/W | |
|------------|-------------------|------------------------------------|------|--------------------|----------------------|---|------|--|------|-------------------------------------|---|-------|--|------|--|------|------|----------|------------------|
| | Number of LEDs | mA | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | | Up to | Photometry |
| | 20 | 400 | - | - | - | - | - | - | 2200 | 2700 | - | - | 2500 | 3000 | 2700 | 3200 | 25.7 | 125 | LENSO FLEX "4 |
| | 20 | 500 | 3200 | 3800 | 3400 | 4100 | 3200 | 3800 | 2700 | 3200 | 3600 | 4300 | - | - | - | - | 32.6 | 132 | LENSO FLEX**4 |
| | 20 | 500 | - | - | _ | - | - | - | 2700 | 3300 | _ | - | 3100 | 3700 | 3300 | 3900 | 32.2 | 121 | LENSO FLEX**4 |
| | 20 | 600 | 3700 | 4400 | 4000 | 4700 | 3700 | 4400 | 3100 | 3700 | 4200 | 5000 | _ | - | _ | - | 39.2 | 128 | LENSO FLEX**4 |
| | 20 | 600 | - | - | - | - | - | - | 3200 | 3800 | - | - | 3600 | 4300 | 3900 | 4600 | 38.6 | 119 | LENSO FLEX "4 |
| | 20 | 700 | _ | _ | _ | _ | - | _ | 3700 | 4400 | _ | _ | 4100 | 4900 | 4400 | 5300 | 45 | 118 | LENSO FLEX "4 |
| | 20 | 800 | _ | _ | _ | _ | - | _ | 4100 | 4900 | _ | _ | 4600 | 5500 | 4900 | 5900 | 51.5 | 115 | LENSO FLEX "4 |
| FLEXIA TOP | 20 | 900 | - | - | - | - | - | - | 4500 | 5400 | - | - | 5000 | 6000 | 5400 | 6500 | 58 | 112 | LENSO FLEX**4 |
| | 20 | 1000 | - | - | - | - | - | - | 4900 | 5800 | - | - | 5500 | 6500 | 5900 | 7000 | 64.5 | 109 | LENSO FLEX**4 |
| | 40 | 200 | 3000 | 3300 | 3200 | 3500 | 3000 | 3300 | 2500 | 2800 | 3400 | 3700 | - | - | - | - | 25.5 | 152 | LENSO FLEX**4 |
| | 40 | 300 | 4400 | 4800 | 4700 | 5100 | 4400 | 4800 | 3700 | 4000 | 4900 | 5400 | - | - | - | - | 37.6 | 146 | LENSO FLEX**4 |
| | 40 | 350 | 4800 | 5700 | 5100 | 6000 | 4800 | 5700 | 4000 | 4800 | 5300 | 6400 | - | - | - | - | 43.5 | 149 | LENSO FLEX**4 |
| | 40 | 500 | 6800 | 7500 | 7300 | 7900 | 6800 | 7500 | 5800 | 6300 | 7700 | 8400 | _ | _ | _ | _ | 62.5 | 134 | LENSO FLEX**4 |
| | 40 | 600 | 7500 | 8900 | 8000 | 9500 | 7500 | 8900 | 6300 | 7500 | 8400 | 10000 | - | - | - | - | 75 | 133 | LENSO FLEX"4 |
| | 40 | 700 | 8400 | 10000 | 9000 | 10700 | 8400 | 10000 | 7100 | 8500 | 9500 | 11300 | - | _ | - | _ | 89 | 127 | LENSO FLEX**4 |

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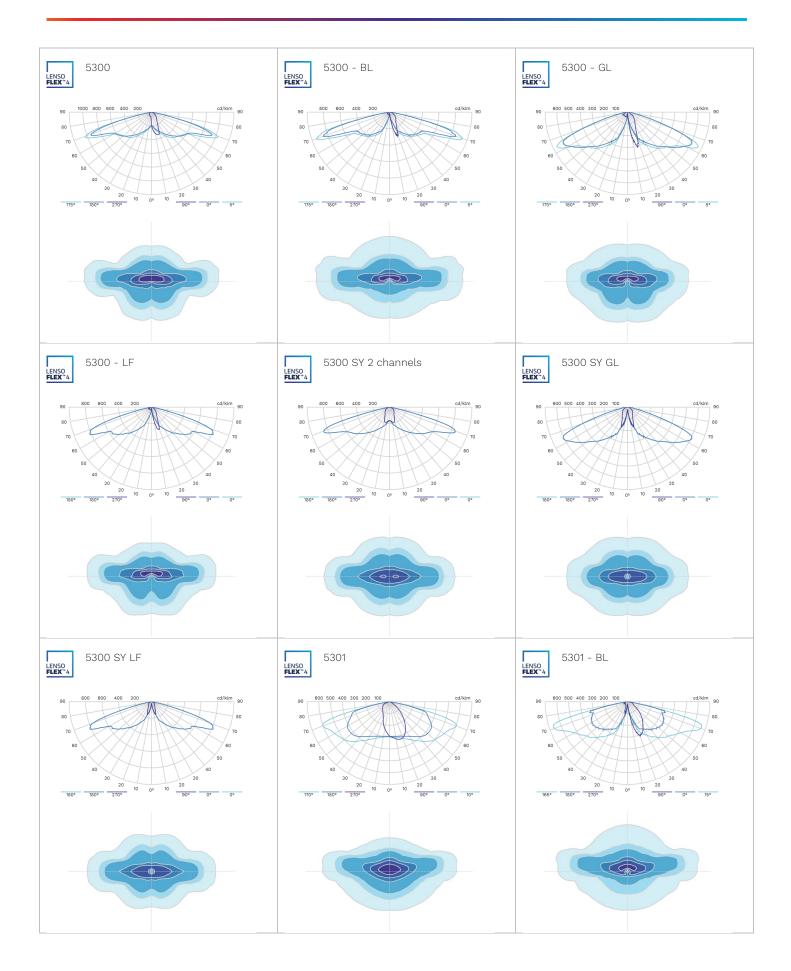
| | | | outpu (lr Warm | | Luminaire output flux (lm) Warm White 730 | | Luminaire output flux (lm) Warm White 830 | | outpu (lr | naire It flux n) nite 722 | outpı (lr Neutra | inaire ut flux m) l White 40 | outpu (lr | inaire It flux m) hite 726 | outpu (lr | naire It flux m) hite 730 | W | lm/W | |
|-------------|-------------------|-----|----------------------|------|---|------|---|------|--------------|------------------------------------|------------------------|--|--------------|-------------------------------------|--------------|------------------------------------|------|----------|------------------------------|
| | Number of LEDs | mA | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | | Up to | Photometry |
| | 10 | 200 | 800 | 800 | 800 | 900 | 800 | 800 | - | - | 900 | 900 | - | - | - | - | 7.4 | 122 | LENSO FLEX [®] 4 |
| | 10 | 300 | 1100 | 1200 | 1200 | 1300 | 1100 | 1200 | _ | - | 1300 | 1400 | - | - | - | - | 10.5 | 133 | LENSO FLEX**4 |
| | 10 | 300 | - | - | - | - | - | - | 1000 | 1000 | - | - | 1100 | 1200 | 1200 | 1200 | 10.7 | 112 | LENSO FLEX [™] 4 |
| | 10 | 400 | 1500 | 1600 | 1600 | 1700 | 1500 | 1600 | - | - | 1600 | 1800 | - | - | - | - | 13.8 | 130 | LENSO FLEX**4 |
| | 10 | 400 | - | - | - | - | - | - | 1300 | 1300 | - | - | 1500 | 1500 | 1600 | 1600 | 13.9 | 115 | LENSO FLEX [™] 4 |
| | 10 | 500 | 1800 | 2000 | 1900 | 2100 | 1800 | 2000 | - | _ | 2000 | 2200 | - | - | - | _ | 17.2 | 128 | LENSO FLEX [™] 4 |
| | 10 | 500 | - | - | - | - | - | - | 1600 | 1700 | - | - | 1800 | 1900 | 2000 | 2000 | 17.1 | 117 | LENSO FLEX [™] 4 |
| _ | 10 | 600 | 2100 | 2300 | 2200 | 2400 | 2100 | 2300 | - | - | 2300 | 2600 | - | - | - | - | 20.5 | 127 | LENSO FLEX [™] 4 |
| flexia midi | 10 | 600 | - | - | - | - | - | - | 1900 | 1900 | - | - | 2100 | 2100 | 2200 | 2300 | 20.5 | 112 | LENSO FLEX**4 |
| | 10 | 650 | 2200 | 2400 | 2300 | 2600 | 2200 | 2400 | - | - | 2500 | 2700 | - | - | - | - | 22.2 | 122 | LENSO FLEX*4 |
| | 10 | 700 | - | - | - | - | - | - | 2200 | 2200 | - | - | 2400 | 2500 | 2600 | 2700 | 23.8 | 113 | LENSO FLEX**4 |
| | 10 | 750 | - | - | - | - | - | - | 2300 | 2400 | - | - | 2600 | 2600 | 2800 | 2800 | 25.2 | 111 | LENSO FLEX**4 |
| | 20 | 200 | 1600 | 1700 | 1700 | 1800 | 1600 | 1700 | - | - | 1800 | 1900 | - | - | - | - | 13.5 | 141 | LENSO FLEX**4 |
| | 20 | 200 | - | - | - | - | - | - | 1400 | 1400 | - | - | 1600 | 1600 | 1700 | 1700 | 13.5 | 126 | LENSO FLEX [™] 4 |
| | 20 | 300 | 2300 | 2500 | 2400 | 2700 | 2300 | 2500 | - | - | 2600 | 2800 | - | - | - | - | 19.6 | 143 | LENSO FLEX"4 |
| | 20 | 300 | - | - | - | - | - | - | 2100 | 2100 | - | - | 2300 | 2400 | 2500 | 2500 | 19.5 | 128 | LENSO FLEX"4 |
| | 20 erance on | 400 | 3000 | 3300 | 3200 | 3500 | 3000 | 3300 | - | - | 3300 | 3700 | - | - | - | - | 26 | 142 | LENSO FLEX"4 |

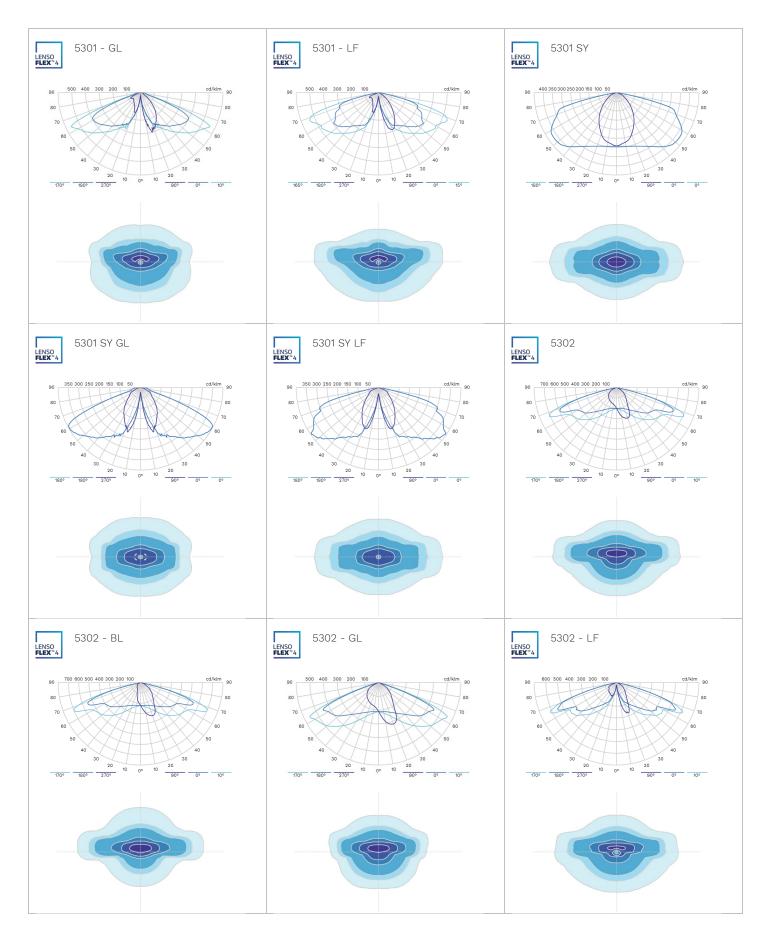
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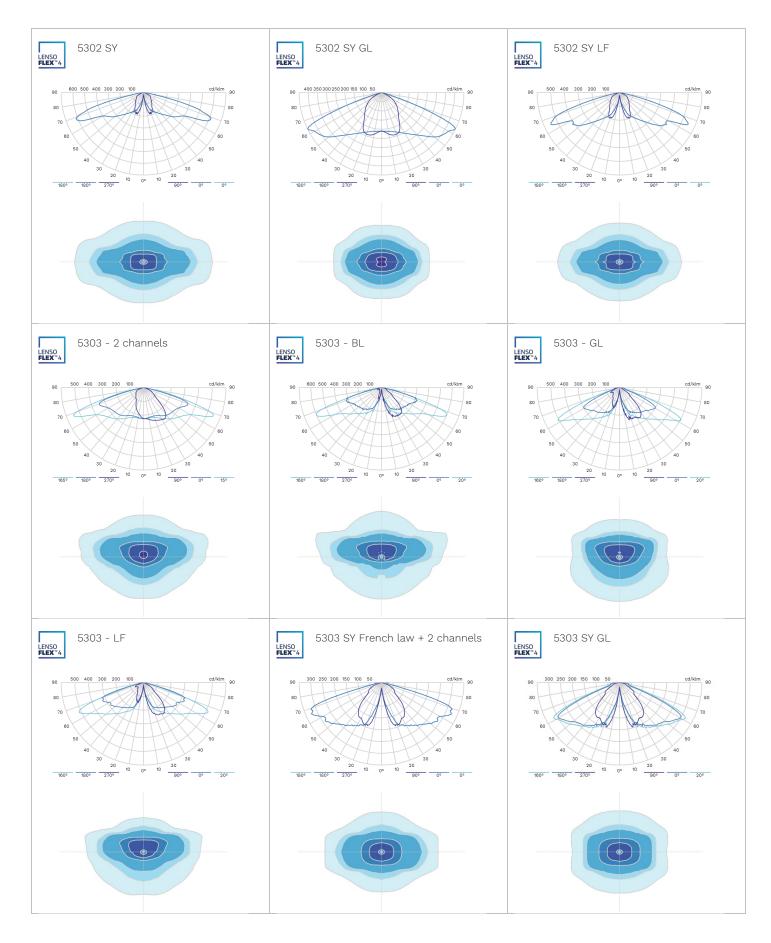
| | Luminaire output flux (lm) Warm White 727 | | flux (lm) White | Luminaire output flux (lm) Warm White 730 | | Luminaire output flux (lm) Warm White 830 | | Luminaire output flux (lm) FlexiWhite 722 | | Luminaire output flux (lm) Neutral White 740 | | Luminaire output flux (lm) FlexiWhite 726 | | Luminaire output flux (lm) FlexiWhite 730 | | W | lm/W | | |
|-------------|--|------|--------------------|---|-------|--|------|--|------|---|-------|--|------|--|------|------|------|----------|------------------------------|
| | Number of LEDs | mA | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | | Up to | Photometry |
| | 20 | 400 | - | - | - | - | - | - | 2700 | 2700 | - | - | 3000 | 3100 | 3200 | 3300 | 25.7 | 128 | LENSO FLEX"4 |
| | 20 | 500 | 3600 | 4000 | 3800 | 4200 | 3600 | 4000 | - | - | 4000 | 4500 | _ | - | _ | - | 32.6 | 138 | LENSO FLEX"4 |
| | 20 | 500 | - | - | - | - | - | - | 3300 | 3400 | - | - | 3700 | 3800 | 4000 | 4100 | 32.2 | 127 | LENSO FLEX"4 |
| | 20 | 600 | 4200 | 4600 | 4400 | 4900 | 4200 | 4600 | - | - | 4700 | 5200 | - | _ | - | - | 39.2 | 133 | LENSO FLEX"4 |
| | 20 | 600 | - | - | - | - | - | - | 3900 | 3900 | - | - | 4300 | 4400 | 4600 | 4800 | 38.6 | 124 | LENSO FLEX"4 |
| | 20 | 700 | - | - | - | - | - | - | 4400 | 4500 | - | - | 4900 | 5000 | 5300 | 5400 | 45 | 120 | LENSO FLEX"4 |
| | 20 | 800 | - | - | - | - | - | - | 4900 | 5000 | - | - | 5500 | 5600 | 5900 | 6000 | 51.5 | 117 | LENSO FLEX"4 |
| FLEXIA MIDI | 20 | 900 | - | - | - | - | - | - | 5400 | 5500 | - | - | 6000 | 6200 | 6500 | 6600 | 58 | 114 | LENSO FLEX"4 |
| FLEXI | 20 | 1000 | - | - | - | - | - | - | 5800 | 6000 | - | - | 6500 | 6700 | 7000 | 7200 | 64.5 | 112 | LENSO FLEX"4 |
| | 40 | 200 | 3200 | 3500 | 3400 | 3700 | 3200 | 3500 | - | - | 3600 | 3900 | - | - | - | - | 25.5 | 160 | LENSO FLEX"4 |
| | 40 | 300 | 4600 | 5100 | 4900 | 5400 | 4600 | 5100 | - | - | 5200 | 5700 | - | _ | - | - | 37.6 | 154 | LENSO FLEX [™] 4 |
| | 40 | 350 | 5300 | 5900 | 5700 | 6300 | 5300 | 5900 | - | - | 6000 | 6600 | - | - | - | - | 43.5 | 153 | LENSO FLEX"4 |
| | 40 | 400 | 6000 | 6600 | 6400 | 7000 | 6000 | 6600 | - | - | 6700 | 7400 | - | - | - | - | 50 | 148 | LENSO FLEX"4 |
| | 40 | 500 | 7200 | 8000 | 7700 | 8500 | 7200 | 8000 | - | - | 8100 | 9000 | - | - | - | - | 62.5 | 144 | LENSO FLEX"4 |
| | 40 | 600 | 8400 | 9300 | 8900 | 9900 | 8400 | 9300 | - | - | 9400 | 10400 | - | - | - | - | 75 | 139 | LENSO FLEX"4 |
| | 40 | 700 | 9400 | 10400 | 10100 | 11100 | 9400 | 10400 | - | - | 10600 | 11700 | - | - | - | - | 89 | 131 | LENSO FLEX "4 |

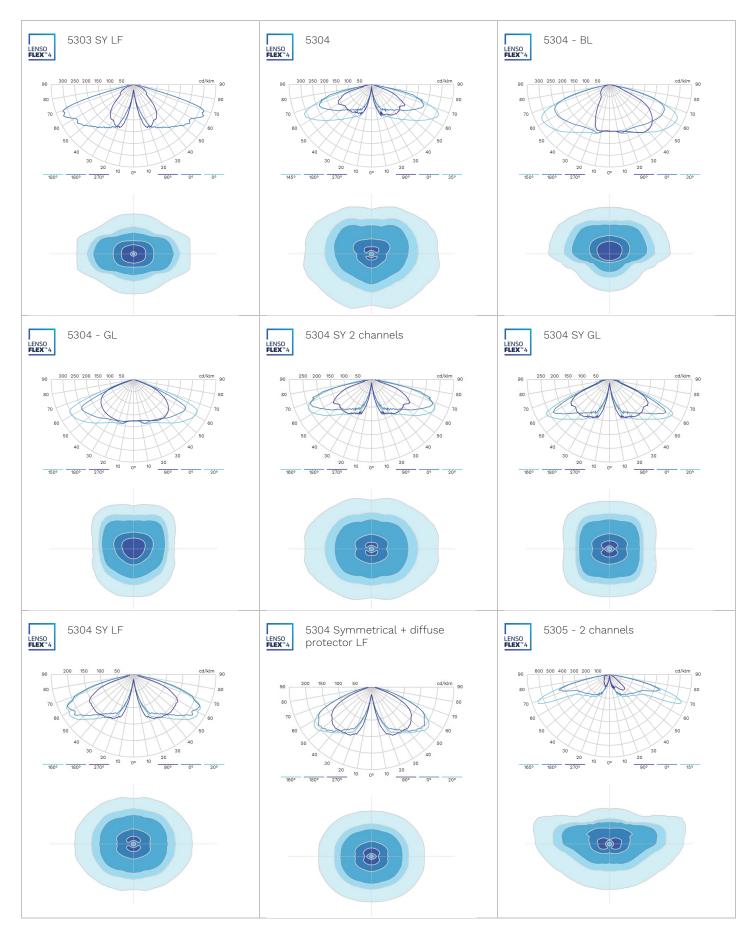
FLEXIA | LIGHT DISTRIBUTIONS

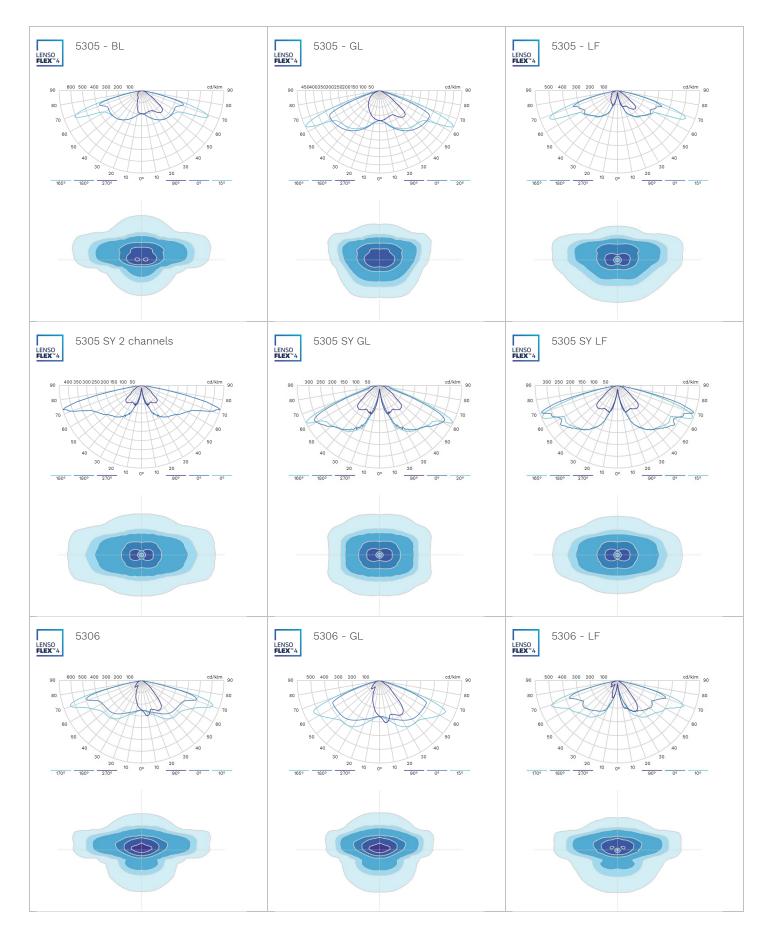
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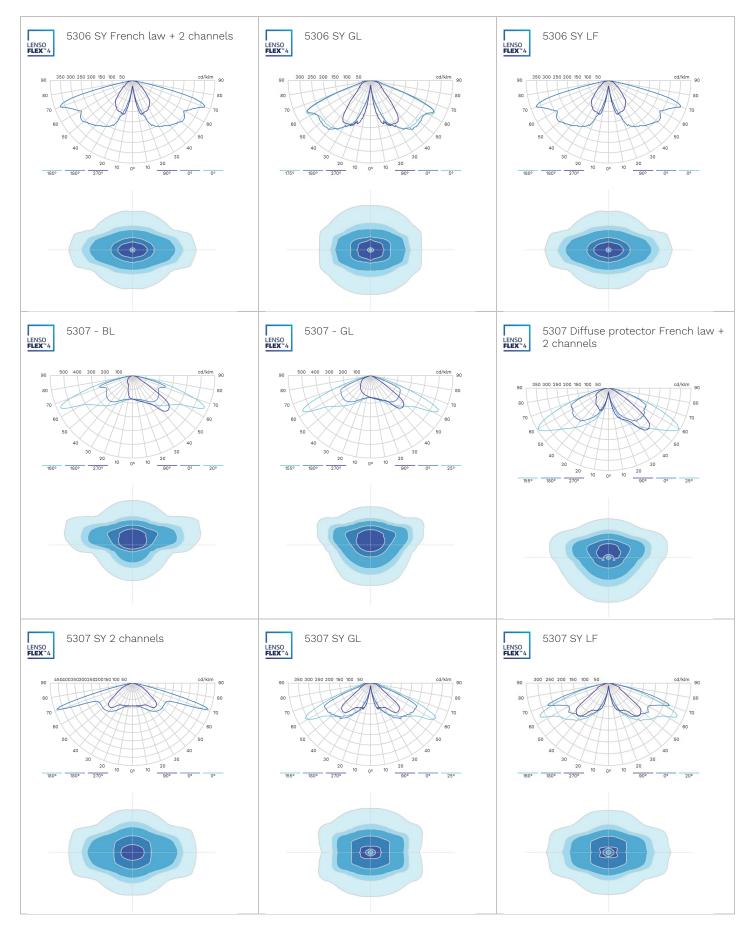






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