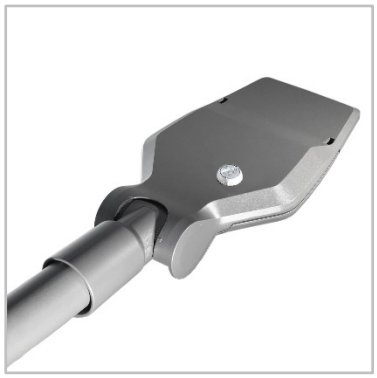
Schréder
Experts in lightability™

ROAD

IZYLUM

Designer : Indio da Costa



MID FLEX™ 2 LENSO FLEX™ 4

A time saving, versatile and high performance road and urban solution

Based on Schréder experience and proven track record with road and urban LED lighting, the IZYLUM luminaire benefits from numerous innovations to provide the ultimate experience for any stakeholder in the project - municipalities looking for a fast return on investment with an environmentally friendly, easy-to-operate lighting solution, contractors wanting to save time and avoid mistakes during installation, and citizens requiring safe and comfortable environments.

This connected-ready range of luminaires not only offers a realistic platform for smart cities; its compact, lightweight, optimised design minimises the carbon footprint at every stage of the product lifecycle. IZYLUM stands out as the best in class for a circular economy.

IP 66/67 | IK 09 | RoHS | CE | 005 certification

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

Concept

IZYLUM is a robust yet compact luminaire, designed with a focus on ease of installation and maintenance, enabling customers to extend its lifetime with future upgrades. Composed of two separate parts made of high-pressure die-casted aluminium, the body is sealed with tempered flat glass, offering a high degree of tightness and resistance to shocks.

Available in five sizes with a LED count of 10 to 240 LEDs, IZYLUM provides a well-dimensioned, efficient lighting solution ranging from various low-height applications such as parks, bicycle paths or residential streets to main roads, boulevards and motorways.

The IZYLUM range takes advantage of the latest photometric innovations. It uses the new LensoFlex®4 and MidFlex™2 photometric engines, which have been developed around the ideas of performance, compactness, versatility and standardisation. They both fit in the same product design, no matter which photometrical concept is preferred.

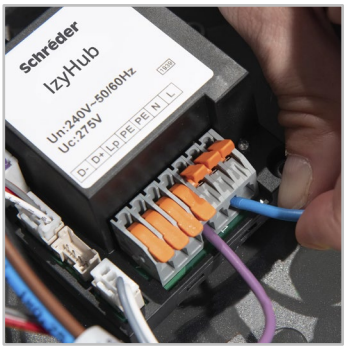
To simplify installation and maintenance operations, IZYLUM introduces patented technologies such as the IzyHub compact connection and connectivity module, for quick, error-proof wiring, and a new IzyFix universal fixation system enabling post-top or side-entry mounting. The luminaire offers tool-free access to the gear compartment. The bottom cover opens downwards and is retained by a hinge. Closing of the luminaire is confirmed with a clear, loud clicking noise, audible even in a noisy urban environment.

Supplied pre-wired (optional), IZYLUM is adapted to post-top and side-entry mounting on any spigot (Ø32mm, Ø42-48mm, Ø60mm and Ø76mm). The IzyFix system enables switching from one position to another at any time, without removing the luminaire from the pole. This unique feature eases installation and offers complete versatility regarding pole and bracket configurations.

The IzyFix system enables tilting within a 130° range and fully complies with IEC and ANSI 3G vibration standards.

IZYLUM introduces two new highly efficient photometrical platforms.

The IzyFix universal fixation system with switching from a post-top to a side-entry position facilitates luminaire ordering and installation.



The failure-proof IzyHub module eases electrical connection on installation and during maintenance operations.

IZYLUM is connected-ready and can operate with various sensors and control systems.

TYPES OF APPLICATION

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

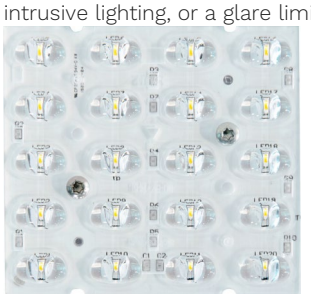
KEY ADVANTAGES

- Maximised savings in energy and maintenance costs
- New generation of LensoFlex®4 and MidFlex™2 photometric engines offering high-efficiency lighting, comfort and safety
- 5 sizes to provide the most accurate solutions for numerous road and urban applications
- Tool-free access with a clear confirmative click upon closing
- Fast and error-proof installation and maintenance with IzyHub
- On-site adjustment from post-top to side-entry without disconnecting the luminaire from the pole thanks to IzyFix
- Wide range of operating temperatures
- Connected-ready

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.

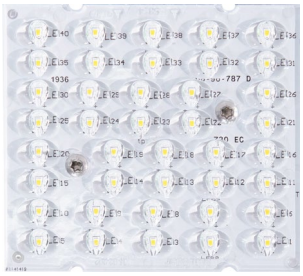
LensoFlex®4 optics can feature backlight control to prevent intrusive lighting, or a glare limiter for high visual comfort.



MidFlex™2

The second-generation MidFlex™2 photometric engine takes advantage of the latest generation of mid-power LEDs and dedicated optics for professional applications.

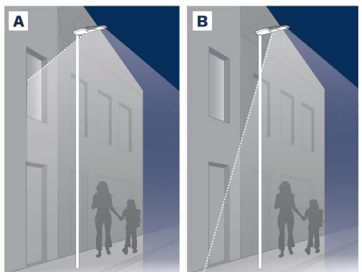
Designed to have the same footprint and fixations as the LensoFlex®4, the MidFlex™2 platform provides an alternative solution for those who are looking for very cost-effective yet efficient lighting while keeping the same luminaire design.



Back Light control

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

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



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

Embellishment plate

This accessory not only provides a more aesthetic solution as it covers the wires supplying the PCBA's with power, it also increases the lumen output thanks to its extra bright surface that reflects light out of the optical unit. Depending on the configuration, the embellishment plate can increase the lumen output by 2 to 3%.

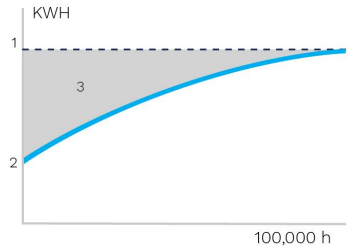
Diamond cooling blocks

IZYLUM 5 features newly developed cooling blocks on the upper side of the optical compartment. Their diamond shape has been carefully designed to minimise dust and water accumulation while providing optimal thermal management to maintain performance over time.

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.

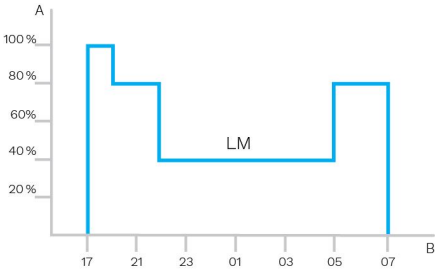


1. Standard lighting level | 2. LED lighting consumption with CLO | 3. Energy savings

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

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.

IzyFix

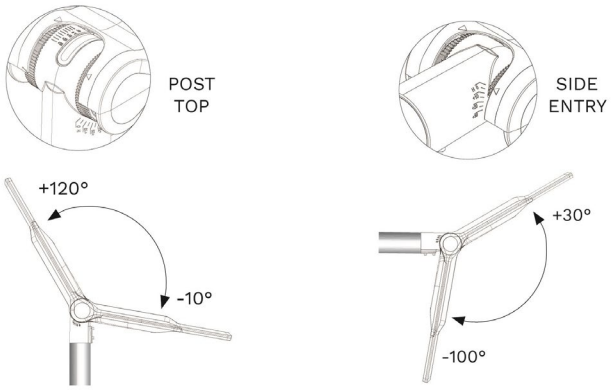
The Schréder IzyFix patented high-pressure die-casted aluminium universal fixation system is an integral part of the luminaire mounted in the factory. The IzyFix system aims to fit needs worldwide by meeting IEC and ANSI 3G testing requirements. It is intended to simplify life for customers and installers in the process of purchasing and installing luminaires for various applications.

From post-top to side-entry in one movement

The innovative design allows changing from a side-entry to a post-top position – even with luminaires ordered with factory pre-cabling – without any switching work on the fixation or disconnection from the pole. Therefore the type of mounting (horizontal or vertical) does not have to be considered when ordering. This unique feature also eases installation. After setting the correct position, an accessory is provided to cover the resulting space and ensure further protection of the luminaire.

Best-in-class tilting range

The IzyFix universal fixation system enables a best-in-class range of mounting angle of 130°, to ensure maximum lighting performance for all kinds of road scenarios and offer the possibility of installing the luminaire in extreme situations as well. With a setting mark on the body and angles on the spigot, adjusting is carried out in 5° increments by loosening two screws. The wide tilting range enables more comfortable access to the gear compartment during field maintenance.

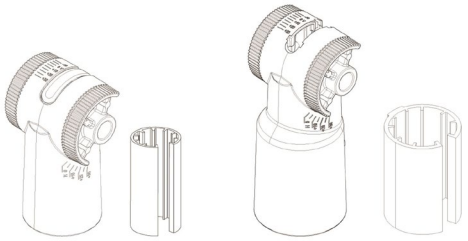


Variation for all poles

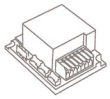
Due to the many different applications used worldwide, Schréder has created a range of fixation systems and reducers to satisfy all needs that might come up on the market.

IzyFix Ø60mm - suitable for:
- Ø32mm spigot (with reducer)
- Ø42-48mm spigot
- Ø60mm spigot

IzyFix Ø76mm - suitable for:
- Ø32mm spigot (with reducer)
- Ø42-48mm spigot (with reducer)
- Ø60mm spigot
- Ø76mm spigot



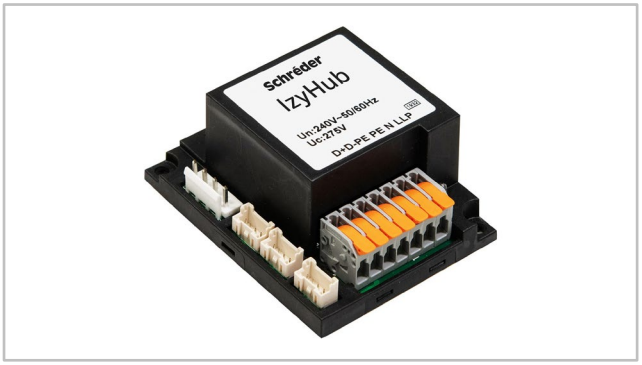
Ø60 Ø76



IzyHub

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.



Surge Protection

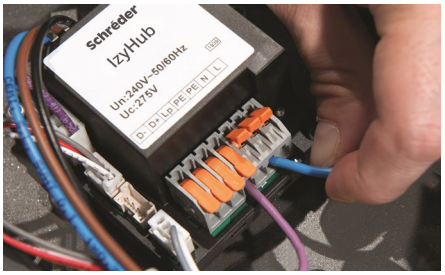
IzyHub features a built-in surge protection device. This prevents electrical surges resulting from lightning strikes and other transient voltages that originate from the mains network from damaging the luminaire, even in the most demanding conditions. The protective device also includes an end-of-life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

User-friendly

Installing a luminaire has never been easier. IzyHub features tool-free 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.

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.

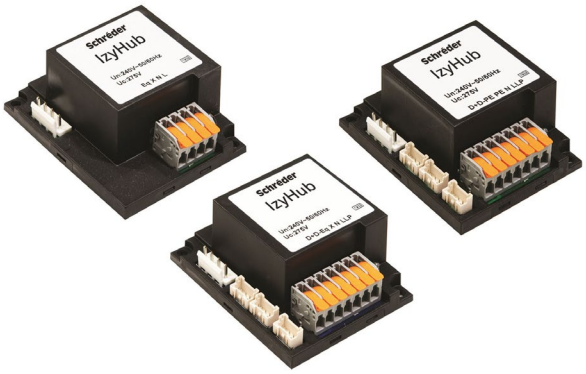


Versions and upgrades

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 bi-power 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.



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 user-friendly 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

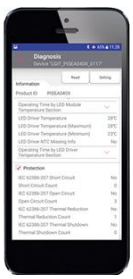
Once you are connected to a luminaire, you can set various parameters such as the maximum output current, minimum dimming level and custom dimming profile.

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.



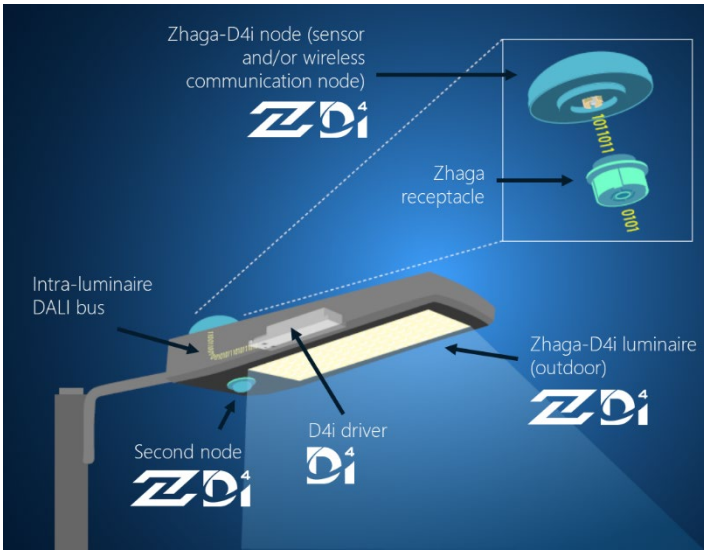
The Zhaga consortium joined forces with the DiiA and produced a single Zhaga-D4i certification that combines the Zhaga Book 18 version 2 outdoor connectivity specifications with the DiiA's D4i specifications for intra-luminaire DALI.

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.

Owlet IoT

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

ALL-IN-ONE

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

EASY TO DEPLOY

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

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

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

USER-FRIENDLY

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

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

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

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

SECURE

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

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

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

EFFICIENT

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

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

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

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

OPEN

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

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

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

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
ENEC certified	Yes
ENEC+ certified	Yes
ROHS compliant	Yes
BE 005 certified	Yes
Testing standard	LM 79-08 (all measurements in ISO17025 accredited laboratory) LM 80 (all measurements in ISO17025 accredited laboratory) EN 60598-1:2015+A1:2018 EN 60598-2-13:2006+A1:2012+A2:2016 EN 62262:2002 IEC TR 62778:2014

HOUSING AND FINISH

Housing	Aluminium
Optic	PMMA
Protector	Tempered glass
Housing finish	Polyester powder coating
Standard colour(s)	AKZO grey 900 sanded
Tightness level	IP66/IP67
Impact resistance	IK 09
Vibration test	Compliant with ANSI C 136-31 standard, 3G load and 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)	6 8 10
Electromagnetic compatibility (EMC)	EN 55015:2013/A1:2015, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 61547:2009, EN 62493:2015
Control protocol(s)	Bluetooth, 1-10V, DALI
Control options	AmpDim, Bi-power, Custom dimming profile, Photocell, Remote management
Socket	Optional Zhaga socket - Zhaga-D4i certified product NEMA 7-pin (optional)
Associated control system(s)	Sirius BLE Owlet Nightshift Owlet IoT
Sensor	PIR (optional)

OPTICAL INFORMATION

LED colour temperature	2200K (Warm White 722) 2700K (Warm White 727) 3000K (Warm White 730) 3000K (Warm White 830) 4000K (Neutral White 740)
Colour rendering index (CRI)	>70 (Warm White 722) >70 (Warm White 727) >70 (Warm White 730) >80 (Warm White 830) >70 (Neutral White 740)
Upward Light Output Ratio (ULOR)	0%

LIFETIME OF THE LEDS @ TQ 25°C

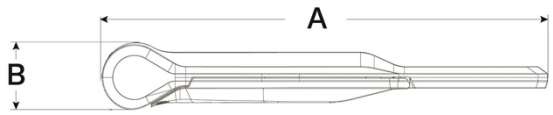
All configurations	60,000h - L80 (mid-power LEDs) 100,000h - L95 (high-power LEDs)

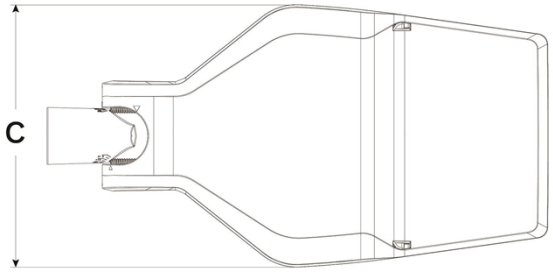
· Lifetime may be different according to the size/configurations. Please consult us.

DIMENSIONS AND MOUNTING

AxBxC (mm | inch)	IZYLUM 1 - 511x94x294 | 20.1x3.7x11.6 IZYLUM 2 - 528x94x352 | 20.8x3.7x13.9 IZYLUM 3 - 639x94x368 | 25.2x3.7x14.5 IZYLUM 4 - 797x94x390 | 31.4x3.7x15.4 IZYLUM 5 - 797x94x390 | 31.4x3.7x15.4
Weight (kg | lbs)	IZYLUM 1 - 4.9 | 10.8 IZYLUM 2 - 6.3 | 13.9 IZYLUM 3 - 7 | 15.4 IZYLUM 4 - 11.2 | 24.6 IZYLUM 5 - 11.5 | 25.3
Aerodynamic resistance (CxS)	IZYLUM 1 - 0.03 IZYLUM 2 - 0.03 IZYLUM 3 - 0.03 IZYLUM 4 - 0.03 IZYLUM 5 - 0.03
Mounting possibilities	Side-entry slip-over – Ø32mm Side-entry slip-over – Ø42mm Side-entry slip-over – Ø48mm Side-entry slip-over – Ø60mm Post-top slip-over – Ø32mm Post-top slip-over – Ø42mm Post-top slip-over – Ø48mm Post-top slip-over – Ø60mm Post-top slip-over – Ø76mm

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





Luminaire	Number of LEDs	Current (mA)	Luminaire output flux (lm) Warm White 727 Min	Luminaire output flux (lm) Warm White 727 Max	Luminaire output flux (lm) Warm White 730 Min	Luminaire output flux (lm) Warm White 730 Max	Luminaire output flux (lm) Warm White 830 Min	Luminaire output flux (lm) Warm White 830 Max	Luminaire output flux (lm) Neutral White 740 Min	Luminaire output flux (lm) Neutral White 740 Max	Power consumption (W)	Luminaire efficacy (lm/W) Up to	Photometry
IZYLUM 1	10	200	700	800	800	900	700	800	800	1000	7.2	139	LENSO FLEX 4
	10	300	1100	1200	1100	1300	1100	1200	1200	1400	10.5	133	LENSO FLEX 4
	10	350	1200	1400	1300	1500	1200	1400	1400	1600	12.1	132	LENSO FLEX 4
	10	400	1400	1600	1500	1700	1400	1600	1600	1800	13.8	130	LENSO FLEX 4
	10	450	1500	1800	1600	1900	1500	1800	1700	2000	15.4	130	LENSO FLEX 4
	10	500	1700	2000	1800	2100	1700	2000	1900	2200	17.1	129	LENSO FLEX 4
	10	550	1800	2100	1900	2300	1800	2100	2000	2400	19	126	LENSO FLEX 4
	10	600	1900	2300	2100	2500	1900	2300	2200	2600	20.9	124	LENSO FLEX 4
	10	700	2200	2600	2300	2800	2200	2600	2500	2900	23.6	123	LENSO FLEX 4
	10	800	2400	2900	2600	3100	2400	2900	2800	3300	26.9	123	LENSO FLEX 4
	10	900	2700	3200	2900	3400	2700	3200	3100	3600	30.4	118	LENSO FLEX 4
	10	1000	2900	3400	3000	3600	2900	3400	3200	3800	34.1	111	LENSO FLEX 4
	20	200	1500	1700	1600	1900	1500	1700	1700	2000	13.1	153	LENSO FLEX 4
	20	300	2200	2500	2300	2700	2200	2500	2400	2900	19.3	150	LENSO FLEX 4
	20	350	2500	2900	2600	3100	2500	2900	2800	3300	22.4	147	LENSO FLEX 4
	20	400	2800	3300	3000	3500	2800	3300	3200	3700	25.6	145	LENSO FLEX 4
	20	450	3100	3700	3300	3900	3100	3700	3500	4100	28.8	142	LENSO FLEX 4
	20	500	3400	4000	3600	4300	3400	4000	3800	4500	32.1	140	LENSO FLEX 4
	20	550	3700	4300	3900	4600	3700	4300	4100	4900	35.4	138	LENSO FLEX 4

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

Luminaire	Number of LEDs	Current (mA)	Luminaire output flux (lm) Warm White 727 Min	Luminaire output flux (lm) Warm White 727 Max	Luminaire output flux (lm) Warm White 730 Min	Luminaire output flux (lm) Warm White 730 Max	Luminaire output flux (lm) Warm White 830 Min	Luminaire output flux (lm) Warm White 830 Max	Luminaire output flux (lm) Neutral White 740 Min	Luminaire output flux (lm) Neutral White 740 Max	Power consumption (W)	Luminaire efficacy (lm/W) Up to	Photometry
IZYLUM 1	20	600	3900	4700	4200	5000	3900	4700	4400	5200	38.8	134	LENSO FLEX 4
	20	700	4500	5200	4700	5600	4500	5200	5000	5900	45.5	130	LENSO FLEX 4
	20	800	4900	5800	5300	6200	4900	5800	5600	6600	51.5	128	LENSO FLEX 4
	20	900	5400	6300	5700	6800	5400	6300	6100	7100	58	122	LENSO FLEX 4
	20	1000	5800	6800	6100	7200	5800	6800	6500	7600	65	117	LENSO FLEX 4
	40	40	-	-	1300	1500	-	-	1400	1600	10.9	147	MID FLEX 2
	40	60	-	-	2000	2200	-	-	2100	2300	15.9	145	MID FLEX 2
	40	75	-	-	2400	2700	-	-	2600	2900	19.8	146	MID FLEX 2
	40	90	-	-	2900	3100	-	-	3100	3400	23.8	143	MID FLEX 2
	40	105	-	-	3300	3600	-	-	3600	3900	28	139	MID FLEX 2
	40	110	-	-	3500	3800	-	-	3700	4100	29.4	139	MID FLEX 2
	40	120	-	-	3700	4100	-	-	4000	4400	32.3	136	MID FLEX 2
	40	135	-	-	4100	4500	-	-	4400	4800	36.7	131	MID FLEX 2
	40	140	-	-	4300	4600	-	-	4600	5000	38.1	131	MID FLEX 2
	40	160	-	-	4700	5200	-	-	5100	5500	43.5	126	MID FLEX 2
	40	180	-	-	5200	5700	-	-	5600	6100	49.5	123	MID FLEX 2
	40	200	-	-	5600	6100	-	-	6000	6600	55.5	119	MID FLEX 2

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

Luminaire	Number of LEDs	Current (mA)	Luminaire output flux (lm) Warm White 727 Min	Luminaire output flux (lm) Warm White 727 Max	Luminaire output flux (lm) Warm White 730 Min	Luminaire output flux (lm) Warm White 730 Max	Luminaire output flux (lm) Warm White 830 Min	Luminaire output flux (lm) Warm White 830 Max	Luminaire output flux (lm) Neutral White 740 Min	Luminaire output flux (lm) Neutral White 740 Max	Power consumption (W)	Luminaire efficacy (lm/W) Up to	Photometry
IZYLUM 2	30	200	2200	2600	2400	2800	2200	2600	2500	3000	18.6	161	LENSO FLEX 4
	30	300	3200	3800	3400	4100	3200	3800	3600	4300	28	154	LENSO FLEX 4
	30	350	3700	4400	3900	4700	3700	4400	4200	5000	32.5	154	LENSO FLEX 4
	30	400	4200	5000	4400	5300	4200	5000	4700	5600	37.1	151	LENSO FLEX 4
	30	450	4600	5500	4900	5800	4600	5500	5200	6200	42	148	LENSO FLEX 4
	30	500	5000	6000	5400	6400	5000	6000	5700	6700	47	143	LENSO FLEX 4
	30	550	5500	6500	5800	6900	5500	6500	6100	7300	51.5	142	LENSO FLEX 4
	30	600	5900	7000	6200	7400	5900	7000	6600	7900	56.5	140	LENSO FLEX 4
	30	700	6600	7900	7100	8400	6600	7900	7500	8900	64.5	138	LENSO FLEX 4
	30	800	7300	8700	7800	9300	7300	8700	8300	9800	75	131	LENSO FLEX 4
	30	870	7800	9300	8300	9900	7800	9300	8800	10500	84	125	LENSO FLEX 4
	40	200	3000	3500	3200	3800	3000	3500	3300	4000	24.3	165	LENSO FLEX 4
	40	300	4300	5100	4600	5500	4300	5100	4800	5800	37	157	LENSO FLEX 4
	40	350	5000	5900	5300	6300	5000	5900	5600	6700	42.5	158	LENSO FLEX 4
	40	400	5600	6600	5900	7100	5600	6600	6300	7500	49	153	LENSO FLEX 4
	40	450	6200	7300	6600	7800	6200	7300	6900	8300	55	151	LENSO FLEX 4
	40	500	6700	8000	7200	8500	6700	8000	7600	9000	61.5	146	LENSO FLEX 4
	40	550	7300	8700	7800	9300	7300	8700	8200	9800	68	144	LENSO FLEX 4

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

Luminaire	Number of LEDs	Current (mA)	Luminaire output flux (lm) Warm White 727 Min	Luminaire output flux (lm) Warm White 727 Max	Luminaire output flux (lm) Warm White 730 Min	Luminaire output flux (lm) Warm White 730 Max	Luminaire output flux (lm) Warm White 830 Min	Luminaire output flux (lm) Warm White 830 Max	Luminaire output flux (lm) Neutral White 740 Min	Luminaire output flux (lm) Neutral White 740 Max	Power consumption (W)	Luminaire efficacy (lm/W) Up to	Photometry
IZYLUM 2	40	600	7800	9300	8300	9900	7800	9300	8800	10500	75	140	LENSO FLEX 4
	40	700	8900	10500	9400	11200	8900	10500	10000	11900	88	135	LENSO FLEX 4
	40	800	9800	11700	10400	12400	9800	11700	11000	13100	101	130	LENSO FLEX 4
	40	870	10400	12400	11100	13200	10400	12400	11700	14000	110	127	LENSO FLEX 4
	80	40	-	-	2800	3000	-	-	3000	3200	20	160	MID FLEX 2
	80	60	-	-	4100	4400	-	-	4400	4700	30.2	156	MID FLEX 2
	80	75	-	-	5000	5400	-	-	5400	5800	37.8	153	MID FLEX 2
	80	90	-	-	5900	6400	-	-	6300	6800	45.5	149	MID FLEX 2
	80	105	-	-	6700	7300	-	-	7200	7800	53.5	146	MID FLEX 2
	80	110	-	-	7000	7600	-	-	7500	8200	56	146	MID FLEX 2
	80	120	-	-	7500	8200	-	-	8000	8700	62	140	MID FLEX 2
	80	135	-	-	8300	9000	-	-	8900	9700	70	139	MID FLEX 2
	80	140	-	-	8500	9300	-	-	9100	9900	71	139	MID FLEX 2
	80	160	-	-	9400	10300	-	-	10100	11000	85	129	MID FLEX 2
	80	180	-	-	10200	11200	-	-	11000	12000	97	124	MID FLEX 2
	80	200	-	-	11000	12000	-	-	11800	12800	109	117	MID FLEX 2

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

Luminaire	Number of LEDs	Current (mA)	Luminaire output flux (lm) Warm White 727		Luminaire output flux (lm) Warm White 730		Luminaire output flux (lm) Warm White 830		Luminaire output flux (lm) Neutral White 740		Power consumption (W)	Luminaire efficacy (lm/W)	Photometry
			Min	Max	Min	Max	Min	Max	Min	Max		Up to	
IZYLUM 3	40	200	3000	3500	3200	3800	3000	3500	3400	4000	24.3	165	LENSO FLEX 4
	40	300	4400	5100	4700	5400	4400	5100	4900	5700	37	154	LENSO FLEX 4
	40	350	5000	5900	5400	6300	5000	5900	5700	6600	42.5	155	LENSO FLEX 4
	40	400	5700	6600	6000	7000	5700	6600	6400	7400	49	151	LENSO FLEX 4
	40	450	6300	7300	6700	7800	6300	7300	7000	8200	55	149	LENSO FLEX 4
	40	500	6800	8000	7300	8500	6800	8000	7700	9000	61.5	146	LENSO FLEX 4
	40	550	7400	8700	7900	9200	7400	8700	8300	9700	68	143	LENSO FLEX 4
	40	600	8000	9300	8500	9900	8000	9300	9000	10400	75	139	LENSO FLEX 4
	40	700	9000	10500	9600	11200	9000	10500	10100	11800	88	134	LENSO FLEX 4
	50	200	3800	4400	4000	4700	3800	4400	4200	4900	29.8	164	LENSO FLEX 4
	50	300	5500	6400	5900	6800	5500	6400	6200	7200	45	160	LENSO FLEX 4
	50	350	6300	7300	6700	7800	6300	7300	7100	8200	52.5	156	LENSO FLEX 4
	50	400	7100	8200	7500	8800	7100	8200	8000	9300	60.5	154	LENSO FLEX 4
	50	450	7800	9100	8300	9700	7800	9100	8800	10200	68.5	149	LENSO FLEX 4
	50	500	8500	9900	9100	10600	8500	9900	9600	11200	76	147	LENSO FLEX 4
	50	550	9200	10700	9800	11400	9200	10700	10400	12100	83	146	LENSO FLEX 4
	50	600	9900	11500	10500	12200	9900	11500	11100	12900	91	142	LENSO FLEX 4
	50	700	11100	12900	11800	13700	11100	12900	12500	14500	107	136	LENSO FLEX 4
	60	200	4500	5300	4800	5600	4500	5300	5100	5900	38	155	LENSO FLEX 4
	60	300	6600	7700	7000	8200	6600	7700	7400	8600	55	156	LENSO FLEX 4
	60	350	7600	8800	8100	9400	7600	8800	8500	9900	64.5	153	LENSO FLEX 4
	60	400	8500	9900	9100	10500	8500	9900	9600	11100	74	150	LENSO FLEX 4
	60	450	9400	10900	10000	11600	9400	10900	10600	12300	81	152	LENSO FLEX 4
	60	500	10300	11900	10900	12700	10300	11900	11500	13400	90	149	LENSO FLEX 4
	60	550	11100	12900	11800	13700	11100	12900	12500	14500	100	145	LENSO FLEX 4
	60	600	11900	13800	12600	14700	11900	13800	13300	15500	109	142	LENSO FLEX 4
	60	700	13300	15500	14200	16500	13300	15500	15000	17400	128	136	LENSO FLEX 4
	70	200	5300	6100	5600	6500	5300	6100	5900	6900	41	168	LENSO FLEX 4
	70	300	7700	9000	8200	9600	7700	9000	8700	10100	62.5	162	LENSO FLEX 4
	70	350	8800	10300	9400	10900	8800	10300	9900	11600	73	159	LENSO FLEX 4
	70	400	9900	11500	10600	12300	9900	11500	11200	13000	83	157	LENSO FLEX 4
	70	450	11000	12800	11700	13600	11000	12800	12300	14400	94	153	LENSO FLEX 4
	70	500	12000	13900	12800	14800	12000	13900	13500	15700	105	150	LENSO FLEX 4
	70	550	12900	15000	13800	16000	12900	15000	14500	16900	116	146	LENSO FLEX 4
	70	600	13800	16100	14800	17200	13800	16100	15600	18100	127	143	LENSO FLEX 4
	70	670	15100	17500	16000	18600	15100	17500	16900	19700	142	139	LENSO FLEX 4

	80	40	-	-	2800	3000	-	-	3000	3200	20	160	MID FLEX™2
	80	60	-	-	4200	4400	-	-	4500	4800	30.2	159	MID FLEX™2
	80	75	-	-	5100	5300	-	-	5400	5700	37.8	151	MID FLEX™2

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

Luminaire	Number of LEDs	Current (mA)	Luminaire output flux (lm) Warm White 727 Min	Luminaire output flux (lm) Warm White 727 Max	Luminaire output flux (lm) Warm White 730 Min	Luminaire output flux (lm) Warm White 730 Max	Luminaire output flux (lm) Warm White 830 Min	Luminaire output flux (lm) Warm White 830 Max	Luminaire output flux (lm) Neutral White 740 Min	Luminaire output flux (lm) Neutral White 740 Max	Power consumption (W)	Luminaire efficacy (lm/W) Up to	Photometry
IZYLUM 3	80	90	-	-	6000	6400	-	-	6400	6800	46	148	MID FLEX 2
	80	105	-	-	6800	7300	-	-	7300	7800	54	144	MID FLEX 2
	80	110	-	-	7100	7600	-	-	7600	8200	56.5	145	MID FLEX 2
	80	120	-	-	7700	8200	-	-	8200	8800	62.5	141	MID FLEX 2
	80	135	-	-	8500	9000	-	-	9100	9700	71	137	MID FLEX 2
	80	140	-	-	8700	9300	-	-	9300	10000	74	135	MID FLEX 2
	80	160	-	-	9700	10300	-	-	10400	11100	85	131	MID FLEX 2
	80	162	-	-	10600	11300	-	-	11300	12100	86	141	MID FLEX 2
	80	200	6000	7000	6400	7500	6000	7000	6800	7900	46.5	170	LENSO FLEX 4
	80	300	8800	10300	9400	10900	8800	10300	9900	11500	70	164	LENSO FLEX 4
	80	350	10100	11800	10800	12500	10100	11800	11400	13200	82	161	LENSO FLEX 4
	80	400	11400	13200	12100	14100	11400	13200	12800	14900	95	157	LENSO FLEX 4
	80	450	12500	14600	13400	15500	12500	14600	14100	16400	107	153	LENSO FLEX 4
	80	500	13700	15900	14600	17000	13700	15900	15400	17900	119	150	LENSO FLEX 4
	80	550	14800	17200	15800	18300	14800	17200	16600	19300	132	146	LENSO FLEX 4
	80	600	15800	18400	16800	19600	15800	18400	17800	20600	144	143	LENSO FLEX 4
	80	670	17200	20000	18300	21300	17200	20000	19400	22500	162	139	LENSO FLEX 4
	120	40	-	-	4200	4500	-	-	4500	4800	28.9	166	MID FLEX 2
	120	60	-	-	6200	6600	-	-	6700	7100	43.5	163	MID FLEX 2
	120	75	-	-	7600	8100	-	-	8200	8700	55	158	MID FLEX 2
	120	90	-	-	9000	9600	-	-	9600	10200	67	152	MID FLEX 2
	120	105	-	-	10300	10900	-	-	11000	11700	78	150	MID FLEX 2
	120	110	-	-	10700	11400	-	-	11500	12200	82	149	MID FLEX 2
	120	120	-	-	11500	12200	-	-	12300	13100	90	146	MID FLEX 2
	120	135	-	-	12700	13300	-	-	13600	14200	103	138	MID FLEX 2
	120	140	-	-	13100	13900	-	-	14000	14900	107	139	MID FLEX 2
	120	162	-	-	14700	15600	-	-	15700	16700	127	131	MID FLEX 2
	160	40	-	-	5700	6000	-	-	6100	6500	38	171	MID FLEX 2
	160	60	-	-	8300	8900	-	-	9000	9500	57	167	MID FLEX 2
	160	75	-	-	10200	10800	-	-	10900	11600	72	161	MID FLEX 2
	160	90	-	-	12000	12800	-	-	12900	13700	88	156	MID FLEX 2
	160	105	-	-	13700	14600	-	-	14700	15700	103	152	MID FLEX 2
	160	110	-	-	14300	15200	-	-	15300	16300	109	150	MID FLEX 2
	160	120	-	-	15400	16300	-	-	16500	17500	119	147	MID FLEX 2
	160	135	-	-	16900	18000	-	-	18200	19300	136	142	MID FLEX 2
	160	140	-	-	17400	18600	-	-	18700	19900	141	141	MID FLEX 2

	160	162	-	-	19600	20800	-	-	21000	22300	167	134	MID FLEX™2

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

Luminaire	Number of LEDs	Current (mA)	Luminaire output flux (lm) Warm White 727 Min	Luminaire output flux (lm) Warm White 727 Max	Luminaire output flux (lm) Warm White 730 Min	Luminaire output flux (lm) Warm White 730 Max	Luminaire output flux (lm) Warm White 830 Min	Luminaire output flux (lm) Warm White 830 Max	Luminaire output flux (lm) Neutral White 740 Min	Luminaire output flux (lm) Neutral White 740 Max	Power consumption (W)	Luminaire efficacy (lm/W) Up to	Photometry
IZYLUM 4	70	200	5400	6100	5700	6500	5400	6100	6000	6800	41	166	LENSO FLEX 4
	70	300	7700	8800	8200	9400	7700	8800	8700	9900	62.5	158	LENSO FLEX 4
	70	350	8900	10100	9400	10700	8900	10100	10000	11300	73	155	LENSO FLEX 4
	70	400	9900	11300	10600	12000	9900	11300	11200	12700	83	153	LENSO FLEX 4
	70	450	10900	12400	11700	13200	10900	12400	12300	14000	94	149	LENSO FLEX 4
	70	500	11900	13500	12700	14400	11900	13500	13400	15200	105	145	LENSO FLEX 4
	70	550	12800	14500	13700	15500	12800	14500	14400	16400	116	141	LENSO FLEX 4
	70	600	13700	15500	14600	16500	13700	15500	15400	17500	127	138	LENSO FLEX 4
	80	200	6100	7000	6500	7400	6100	7000	6900	7800	46.5	168	LENSO FLEX 4
	80	300	8900	10000	9400	10700	8900	10000	10000	11300	70	161	LENSO FLEX 4
	80	350	10100	11500	10800	12300	10100	11500	11400	12900	82	157	LENSO FLEX 4
	80	400	11400	12900	12100	13700	11400	12900	12800	14500	95	153	LENSO FLEX 4
	80	450	12500	14200	13300	15100	12500	14200	14100	16000	107	150	LENSO FLEX 4
	80	500	13600	15500	14500	16500	13600	15500	15300	17400	119	146	LENSO FLEX 4
	80	550	14700	16600	15600	17700	14700	16600	16500	18700	132	142	LENSO FLEX 4
	80	600	15600	17800	16700	18900	15600	17800	17600	20000	144	139	LENSO FLEX 4
	100	200	7700	8700	8200	9300	7700	8700	8600	9800	62	169	LENSO FLEX 4
	100	300	11100	12600	11800	13400	11100	12600	12500	14100	92	160	LENSO FLEX 4
	100	350	12700	14400	13500	15300	12700	14400	14300	16200	107	157	LENSO FLEX 4
	100	400	14200	16100	15100	17200	14200	16100	16000	18100	122	153	LENSO FLEX 4
	100	450	15700	17800	16700	18900	15700	17800	17600	20000	137	149	LENSO FLEX 4
	100	500	17000	19300	18100	20600	17000	19300	19200	21700	152	146	LENSO FLEX 4
	100	550	18300	20800	19500	22200	18300	20800	20600	23400	170	138	LENSO FLEX 4
	100	600	19600	22200	20800	23600	19600	22200	22000	25000	186	134	LENSO FLEX 4
	120	200	9200	10500	9800	11200	9200	10500	10400	11800	71	166	LENSO FLEX 4
	120	300	13300	15100	14200	16100	13300	15100	15000	17000	107	159	LENSO FLEX 4

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

Luminaire	Number of LEDs	Current (mA)	Luminaire output flux (lm) Warm White 727 Min	Luminaire output flux (lm) Warm White 727 Max	Luminaire output flux (lm) Warm White 730 Min	Luminaire output flux (lm) Warm White 730 Max	Luminaire output flux (lm) Warm White 830 Min	Luminaire output flux (lm) Warm White 830 Max	Luminaire output flux (lm) Neutral White 740 Min	Luminaire output flux (lm) Neutral White 740 Max	Power consumption (W)	Luminaire efficacy (lm/W) Up to	Photometry
IZYLUM 4	120	350	15200	17300	16200	18400	15200	17300	17100	19400	126	154	LENSO FLEX 4
	120	400	17100	19400	18200	20600	17100	19400	19200	21800	144	151	LENSO FLEX 4
	120	450	18800	21300	20000	22700	18800	21300	21100	24000	162	148	LENSO FLEX 4
	120	500	20500	23200	21800	24700	20500	23200	23000	26100	180	145	LENSO FLEX 4
	120	550	22000	25000	23400	26600	22000	25000	24800	28100	200	140	LENSO FLEX 4
	120	600	23500	26700	25000	28400	23500	26700	26400	30000	218	138	LENSO FLEX 4
	160	40	-	-	5700	5900	-	-	6200	6300	38	166	MID FLEX 2
	160	60	-	-	8500	8700	-	-	9100	9300	57	163	MID FLEX 2
	160	80	-	-	10900	11100	-	-	11600	11900	77	155	MID FLEX 2
	160	100	-	-	13100	13400	-	-	14100	14400	98	147	MID FLEX 2
	160	120	-	-	15200	15500	-	-	16300	16600	119	139	MID FLEX 2
	160	140	-	-	17000	17400	-	-	18200	18600	141	132	MID FLEX 2
	200	40	-	-	7200	7300	-	-	7700	7900	47	168	MID FLEX 2
	200	60	-	-	10500	10800	-	-	11300	11500	71	162	MID FLEX 2
	200	80	-	-	13600	13900	-	-	14600	14900	96	155	MID FLEX 2
	200	100	-	-	16400	16800	-	-	17600	18000	122	148	MID FLEX 2
	200	120	-	-	19000	19400	-	-	20400	20800	149	140	MID FLEX 2
	200	132	-	-	20400	20900	-	-	21900	22400	165	136	MID FLEX 2
	240	40	-	-	8600	8800	-	-	9200	9500	58	164	MID FLEX 2
	240	60	-	-	12600	12900	-	-	13500	13900	87	160	MID FLEX 2
	240	80	-	-	16300	16700	-	-	17500	17900	118	152	MID FLEX 2
	240	100	-	-	19700	20200	-	-	21100	21600	150	144	MID FLEX 2
	240	120	-	-	22800	23300	-	-	24400	25000	180	139	MID FLEX 2
	240	140	-	-	25500	26100	-	-	27400	28000	214	131	MID FLEX 2

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

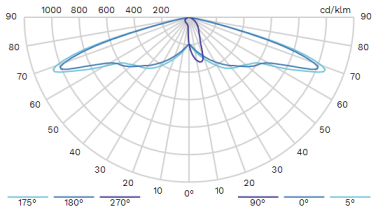
Luminaire	Number of LEDs	Current (mA)	Luminaire output flux (lm) Warm White 727 Min	Luminaire output flux (lm) Warm White 727 Max	Luminaire output flux (lm) Warm White 730 Min	Luminaire output flux (lm) Warm White 730 Max	Luminaire output flux (lm) Warm White 830 Min	Luminaire output flux (lm) Warm White 830 Max	Luminaire output flux (lm) Neutral White 740 Min	Luminaire output flux (lm) Neutral White 740 Max	Power consumption (W)	Luminaire efficacy (lm/W) Up to	Photometry
IZYLUM 5	70	200	5400	6100	5800	6500	5400	6100	6100	6900	41	168	LENSO FLEX 4
	70	300	7900	8900	8400	9500	7900	8900	8900	10100	62.5	162	LENSO FLEX 4
	70	350	9000	10200	9600	10800	9000	10200	10100	11400	73	156	LENSO FLEX 4
	70	400	10000	11300	10700	12100	10000	11300	11300	12700	83	153	LENSO FLEX 4
	70	450	11000	12500	11800	13300	11000	12500	12400	14000	94	149	LENSO FLEX 4
	70	500	12000	13600	12800	14400	12000	13600	13500	15200	105	145	LENSO FLEX 4
	70	550	13000	14700	13900	15700	13000	14700	14600	16600	116	143	LENSO FLEX 4
	70	600	14000	15900	15000	16900	14000	15900	15800	17900	127	141	LENSO FLEX 4
	70	700	15800	17900	16800	19000	15800	17900	17800	20100	149	135	LENSO FLEX 4
	70	750	16200	18300	17200	19500	16200	18300	18200	20600	162	127	LENSO FLEX 4
	80	200	6200	7000	6600	7500	6200	7000	7000	7900	46.5	170	LENSO FLEX 4
	80	300	9000	10200	9600	10900	9000	10200	10200	11500	70	164	LENSO FLEX 4
	80	350	10300	11600	10900	12400	10300	11600	11600	13100	82	160	LENSO FLEX 4
	80	400	11500	12900	12200	13800	11500	12900	12900	14600	95	154	LENSO FLEX 4
	80	450	12600	14300	13500	15200	12600	14300	14200	16100	107	150	LENSO FLEX 4
	80	500	13700	15500	14600	16500	13700	15500	15400	17400	119	146	LENSO FLEX 4
	80	550	14900	16800	15900	17900	14900	16800	16700	18900	132	143	LENSO FLEX 4
	80	600	16100	18100	17100	19300	16100	18100	18100	20400	144	142	LENSO FLEX 4
	80	700	18100	20400	19300	21800	18100	20400	20300	23000	176	131	LENSO FLEX 4
	80	750	18500	20900	19700	22300	18500	20900	20800	23500	188	125	LENSO FLEX 4
	100	200	7700	8800	8300	9300	7700	8800	8700	9900	62	171	LENSO FLEX 4
	100	300	11300	12800	12100	13600	11300	12800	12700	14400	92	164	LENSO FLEX 4
	100	350	12900	14500	13700	15500	12900	14500	14500	16300	107	158	LENSO FLEX 4
	100	400	14300	16200	15300	17200	14300	16200	16100	18200	122	154	LENSO FLEX 4
	100	450	15800	17900	16800	19000	15800	17900	17800	20100	137	150	LENSO FLEX 4
	100	500	17200	19400	18300	20700	17200	19400	19300	21800	152	146	LENSO FLEX 4
	100	550	18600	21000	19800	22400	18600	21000	20900	23700	170	139	LENSO FLEX 4
	100	600	20100	22700	21400	24200	20100	22700	22600	25500	186	137	LENSO FLEX 4
	100	700	22600	25600	24100	27200	22600	25600	25400	28700	218	132	LENSO FLEX 4
	100	750	23100	26100	24600	27800	23100	26100	26000	29400	234	126	LENSO FLEX 4
	120	200	9300	10500	9900	11200	9300	10500	10500	11800	71	166	LENSO FLEX 4

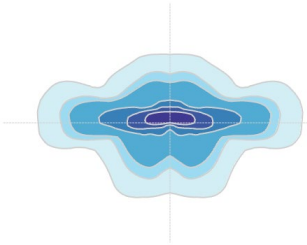
Tolerance on LED flux is ± 7% and on total luminaire power ± 5 %

Luminaire	Number of LEDs	Current (mA)	Luminaire output flux (lm) Warm White 727 Min	Luminaire output flux (lm) Warm White 727 Max	Luminaire output flux (lm) Warm White 730 Min	Luminaire output flux (lm) Warm White 730 Max	Luminaire output flux (lm) Warm White 830 Min	Luminaire output flux (lm) Warm White 830 Max	Luminaire output flux (lm) Neutral White 740 Min	Luminaire output flux (lm) Neutral White 740 Max	Power consumption (W)	Luminaire efficacy (lm/W) Up to	Photometry
IZYLUM 5	120	300	13600	15400	14500	16400	13600	15400	15300	17300	107	162	LENSO FLEX 4
	120	350	15400	17400	16400	18600	15400	17400	17400	19600	126	156	LENSO FLEX 4
	120	400	17200	19400	18300	20700	17200	19400	19300	21900	144	152	LENSO FLEX 4
	120	450	19000	21400	20200	22800	19000	21400	21300	24100	162	149	LENSO FLEX 4
	120	500	20600	23300	21900	24800	20600	23300	23200	26200	180	146	LENSO FLEX 4
	120	550	22400	25300	23800	26900	22400	25300	25100	28400	200	142	LENSO FLEX 4
	120	600	24100	27200	25700	29000	24100	27200	27100	30600	218	140	LENSO FLEX 4
	120	700	27100	30700	28900	32700	27100	30700	30500	34500	256	135	LENSO FLEX 4
	120	750	27800	31400	29600	33400	27800	31400	31200	35300	280	126	LENSO FLEX 4
	160	40	-	-	5700	5900	-	-	6200	6400	38	168	MID FLEX 2
	160	60	-	-	8400	8700	-	-	9000	9300	57	163	MID FLEX 2
	160	80	-	-	10900	11300	-	-	11700	12100	77	157	MID FLEX 2
	160	100	-	-	13300	13700	-	-	14200	14700	98	150	MID FLEX 2
	160	120	-	-	15500	16000	-	-	16600	17100	119	144	MID FLEX 2
	160	140	-	-	17400	18000	-	-	18700	19300	141	137	MID FLEX 2
	160	160	-	-	19200	19800	-	-	20600	21300	165	129	MID FLEX 2
	160	170	-	-	20000	20700	-	-	21500	22200	182	122	MID FLEX 2
	200	40	-	-	7200	7400	-	-	7700	8000	47	170	MID FLEX 2
	200	60	-	-	10500	10900	-	-	11300	11700	71	165	MID FLEX 2
	200	80	-	-	13700	14100	-	-	14700	15200	96	158	MID FLEX 2
	200	100	-	-	16600	17200	-	-	17800	18400	122	151	MID FLEX 2
	200	120	-	-	19300	20000	-	-	20700	21400	149	144	MID FLEX 2
	200	132	-	-	20800	21500	-	-	22300	23100	165	140	MID FLEX 2
	240	40	-	-	8600	8900	-	-	9300	9600	58	166	MID FLEX 2
	240	60	-	-	12600	13000	-	-	13500	14000	87	161	MID FLEX 2
	240	80	-	-	16400	17000	-	-	17600	18200	118	154	MID FLEX 2
	240	100	-	-	20000	20600	-	-	21400	22100	150	147	MID FLEX 2
	240	120	-	-	23200	24000	-	-	24900	25700	180	143	MID FLEX 2
	240	140	-	-	26100	27000	-	-	28000	29000	214	136	MID FLEX 2
	240	170	-	-	30100	31100	-	-	32200	33300	268	124	MID FLEX 2

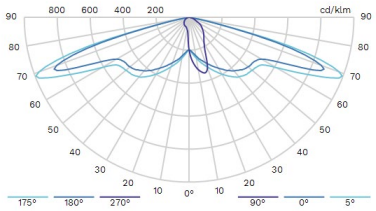
Tolerance on LED flux is ± 7% and on total luminaire power ± 5 %

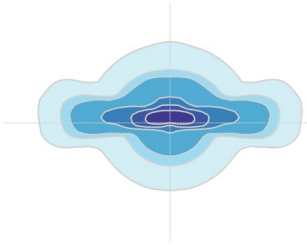
5300



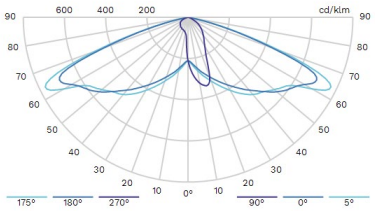


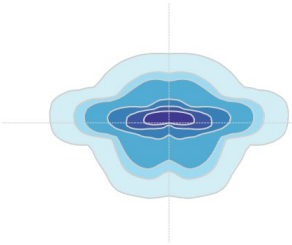
5300 - BL



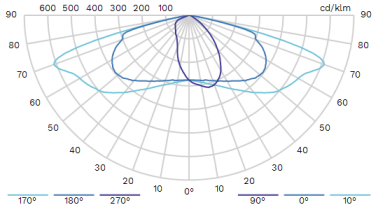


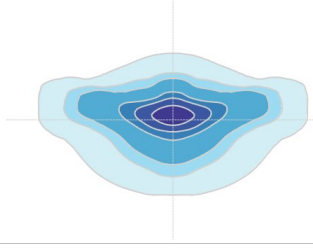
5300 - GL



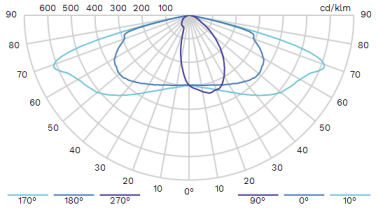


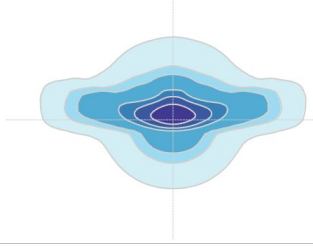
5301



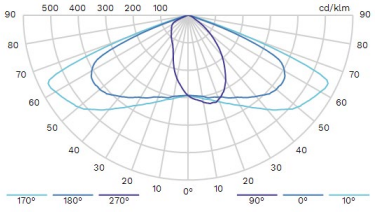


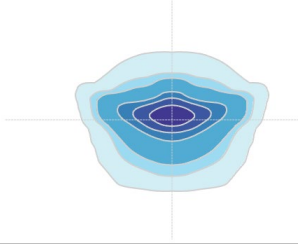
5301 - BL



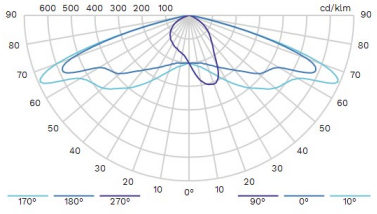


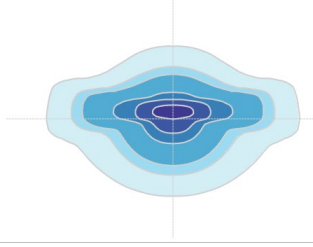
5301 - GL



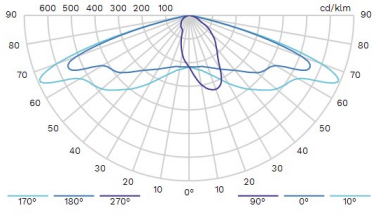


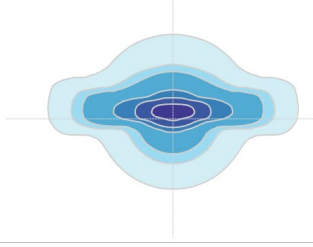
5302 Light Exhauster



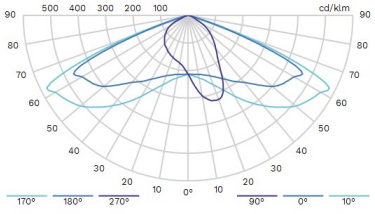


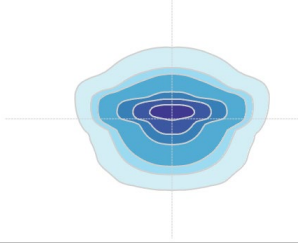
5302 Light Exhauster BL



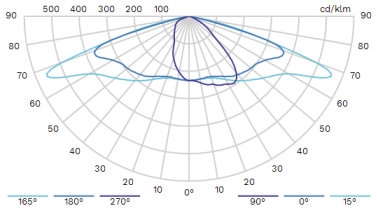


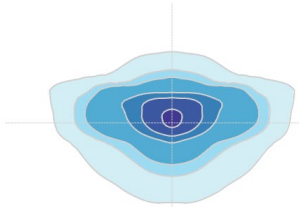
5302 Light Exhauster GL



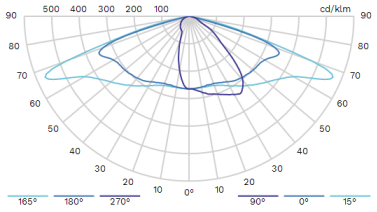


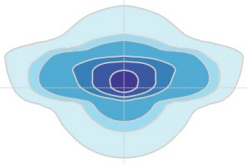
5303



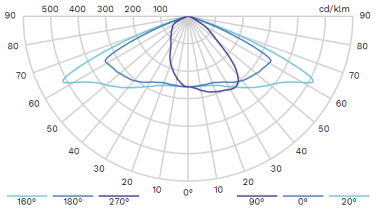


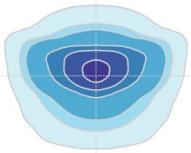
5303 Light Exhauster BL



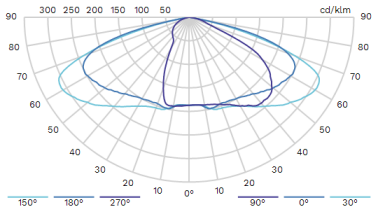


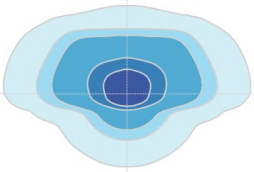
5303 Light Exhauster GL



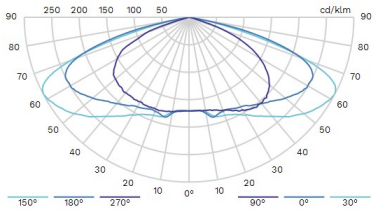


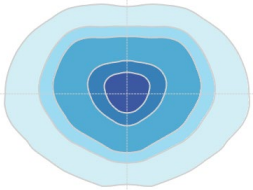
5304 - BL



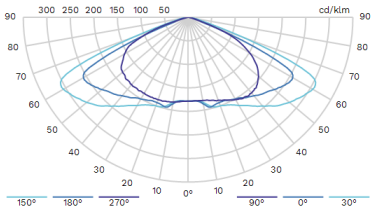


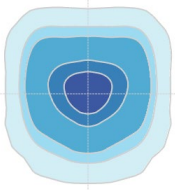
5304 Light Exhauster



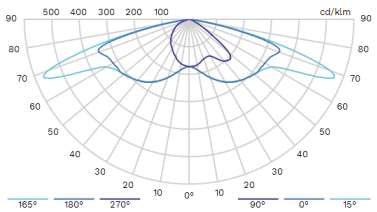


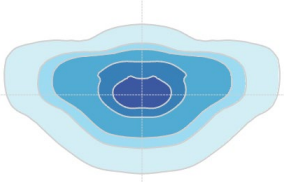
5304 Light Exhauster GL



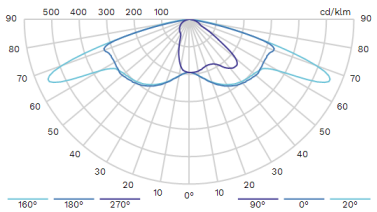


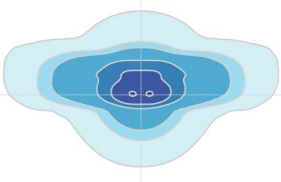
5305 Light Exhauster



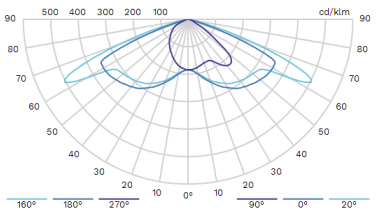


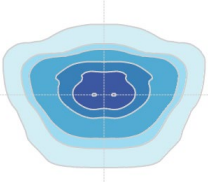
5305 Light Exhauster BL



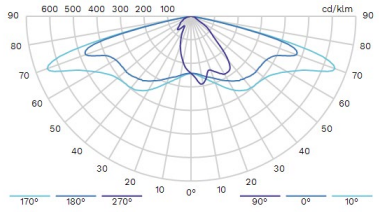


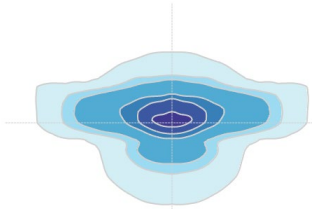
5305 Light Exhauster GL



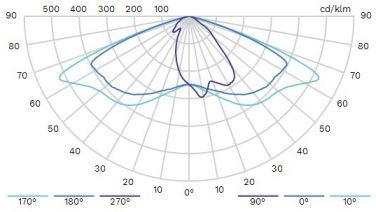


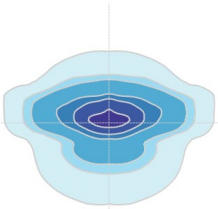
5306



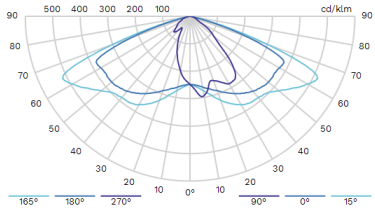


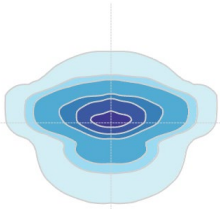
5306 - BL



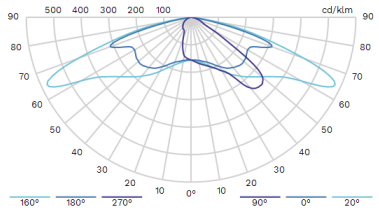


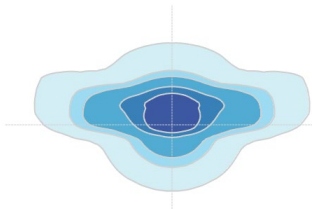
5306 - GL



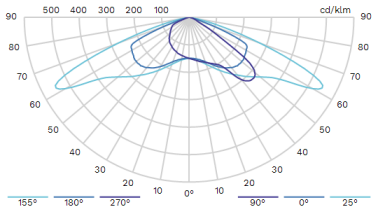


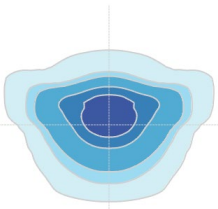
5307 - BL



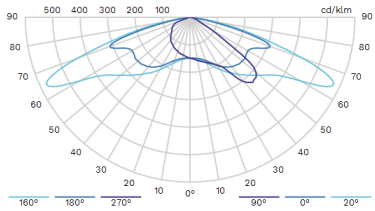


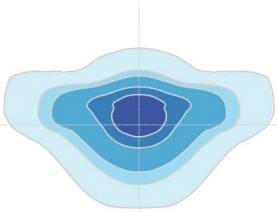
5307 - GL





5307 Light Exhauster





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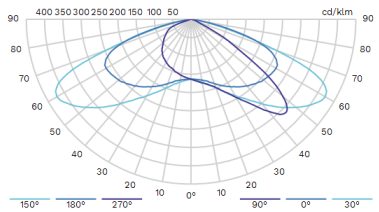

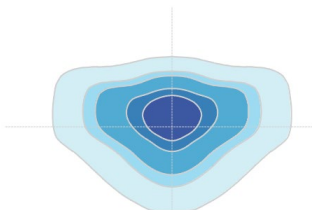

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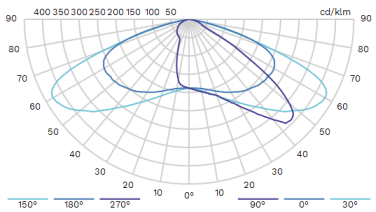

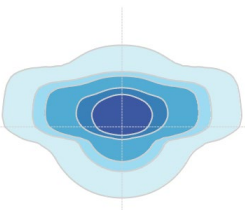

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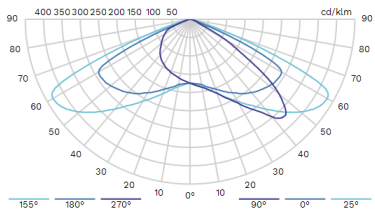
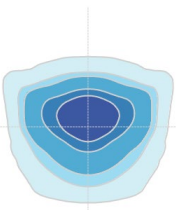
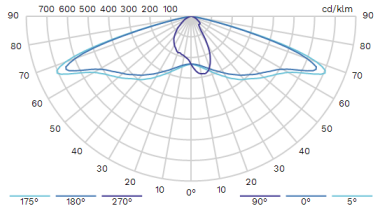
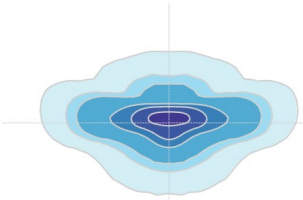


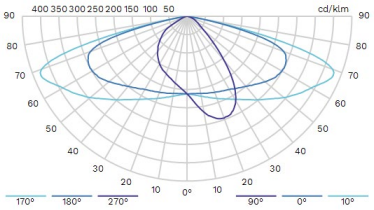


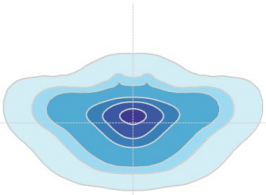
5311 Light Exhauster



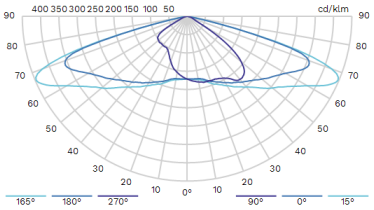


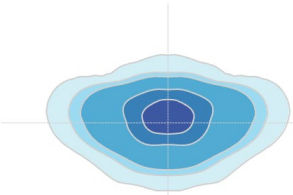
5312





5313





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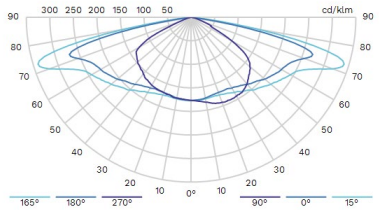

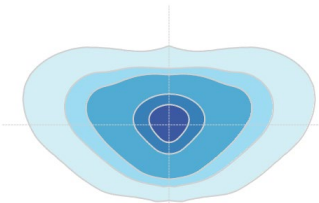

5315 Light Exhauster