Schréder
Experts in lightability™

DECORATIVE

Alura LED

Designer : Michel Tortel

LENSO FLEX™ 2

Ambiance lighting, combining comfort and efficiency

The Alura LED luminaire combines efficiency, aesthetics and visual comfort. With its timeless elegance and its high performance photometry, this luminaire is a distinctive tool to light urban centres, squares, bike paths, residential streets and car parks.

Available with a striated polycarbonate protector, Alura LED creates a warm ambiance while generating significant energy savings. It ensures safety and well-being in the public space in the most sustainable way.

IP 66 | IK 10

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

Concept

Composed of high-quality recyclable materials, the Alura LED is built to last. The base section, bracket arms, top cover and cover plug are composed of die-cast aluminum.

The protector is available with two options: a clear or a sanded striated version. It can be made from PMMA or UV-resistant polycarbonate. Using state-of-the-art technology,

Alura LED is FutureProof: the optical unit or the control gear can be replaced at any time to take advantage of future technological improvements. Available with a LensoFlex®2 photometrical engine, Alura LED can be equipped with 16 to 48 LEDs to provide both symmetrical and asymmetrical lighting distributions.

Alura LED is designed for post-top mounting onto a Ø60mm spigot. The fixation on the pole is done with 6 M6 screws or 2M8 screws with a specific base section.

Alura LED has various options for the protector

Alura LED is available with a wide range of LensoFlex®2 optics

Types of application

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

Key advantages

- Low energy consumption
- Elegant design for low height installation
- Visual comfort
- Robust materials

Supplied pre-cabled, this luminaire ensures an easy installation

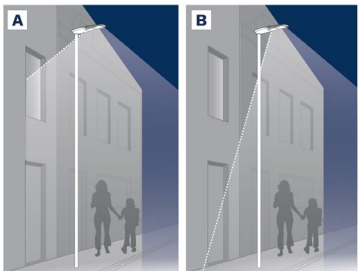
Alura LED is designed for mounting on a Ø60mm spigot

LensoFlex®2

LensoFlex®2 is based upon the addition principle of photometric distribution. Each LED is associated with a specific PMMA lens that generates the complete photometric distribution of the luminaire.The number of LEDs in combination with the driving current determines the intensity level of the light distribution.The proven LensoFlex®2 concept includes a glass protector to seal the LEDs and lenses into the luminaire body.

Back Light control

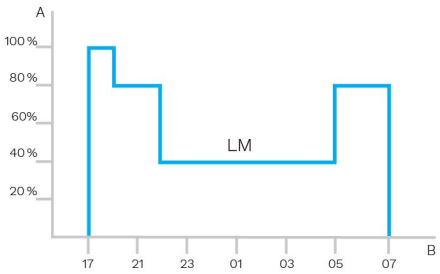
As an option, the LensoFlex®2 modules can be equipped with a Back Light control system.This additional feature minimises light spill from the back of the luminaire to avoid intrusive light towards buildings.



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

Custom dimming profile

Intelligent luminaire drivers can be programmed with complex dimming profiles. Up to five combinations of time intervals and light levels are possible. This feature does not require any extra wiring. The period between switching on and switching off is used to activate the preset dimming profile. The customised dimming system generates maximum energy savings while respecting the required lighting levels and uniformity throughout the night.



A. Performance | 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.

GENERAL INFORMATION

Recommended installation height	3m to 5m | 10' to 16'
FutureProof	Easy replacement of the photometric engine and electronic assembly on-site
Driver included	Yes
CE Mark	Yes
ENEC certified	Yes
ETL/UL certified	Yes
ROHS compliant	Yes
Testing standard	LM 79-08 (all measurements in ISO17025 accredited laboratory)

HOUSING AND FINISH

Housing	Aluminium
Optic	PMMA
Protector	Polycarbonate
Housing finish	Polyester powder coating
Standard colour(s)	AKZO grey 900 sanded
Tightness level	IP 66
Impact resistance	IK 10
Vibration test	Compliant with modified IEC 68-2-6 (0.5G)
Access for maintenance	Direct access to the gear compartment by loosening screws on the top cover

· Any other RAL or AKZO colour upon request

OPERATING CONDITIONS

Operating temperature range (Ta)	-30 °C up to +50 °C / -22 °F up to 122 °F

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

ELECTRICAL INFORMATION

Electrical class	Class 1US, Class I EU, Class II EU
Nominal voltage	120-277V – 50-60Hz 220-240V – 50-60Hz
Power factor (at full load)	0.9
Surge protection options (kV)	10 20
Electromagnetic compatibility (EMC)	EN 55015 / EN 61000-3-2 / EN 61000-4-5 / EN 61547
Control protocol(s)	1-10V, DALI
Control options	AmpDim, Bi-power, Custom dimming profile, Remote management
Associated control system(s)	Owlet Nightshift
Sensor	PIR (optional)

OPTICAL INFORMATION

LED colour temperature	2700K (Warm White) 3000K (Warm White) 4000K (Neutral White)
Colour rendering index (CRI)	>70 (Warm White) >80 (Warm White) >70 (Neutral White)
Upward Light Output Ratio (ULOR)	<5%

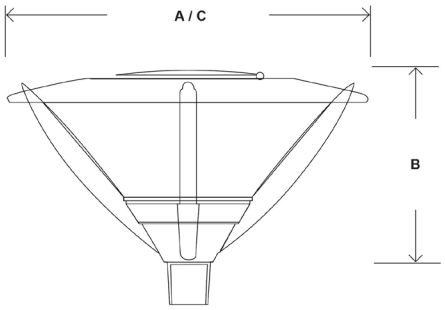
· ULOR may be different according to the configuration. Please consult us.

LIFETIME OF THE LEDS @ TQ 25°C

All configurations	100,000h - L90

DIMENSIONS AND MOUNTING

AxBxC (mm | inch)	700x450x700 | 27.6x17.7x27.6
Weight (kg | lbs)	15.5 | 34.1
Aerodynamic resistance (CxS)	0.13
Mounting possibilities	Post-top slip-over – Ø60mm



			Luminaire output flux (lm) Neutral White 740		Luminaire output flux (lm) Warm White 730		Luminaire output flux (lm) Warm White 830		Luminaire output flux (lm) Warm White 727		Power consumption (W)	Luminaire efficacy (lm/W)	
	Number of LEDs	Current (mA)	Min	Max	Min	Max	Min	Max	Min	Max		Up to	Photometry
ALURA LED	16	350	1400	1700	1400	1700	1200	1500	1300	1600	18.2	99	LENSO FLEX 2
	16	500	1900	2300	1900	2300	1600	1900	1700	2000	25.7	93	LENSO FLEX 2
	16	700	2300	2800	2300	2800	1900	2300	2000	2500	36.2	80	LENSO FLEX 2
	24	350	2200	2600	2200	2600	1800	2200	1900	2400	26.8	101	LENSO FLEX 2
	24	500	2800	3400	2800	3400	2400	2900	2500	3100	38.1	94	LENSO FLEX 2
	24	700	3400	4200	3400	4200	2900	3500	3100	3700	55.5	79	LENSO FLEX 2
	32	350	2900	3500	2900	3500	2400	3000	2600	3200	35.9	103	LENSO FLEX 2
	32	500	3800	4600	3800	4600	3200	3900	3400	4100	51.5	93	LENSO FLEX 2
	48	350	4400	5300	4400	5300	3700	4500	3900	4800	52.5	105	LENSO FLEX 2

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

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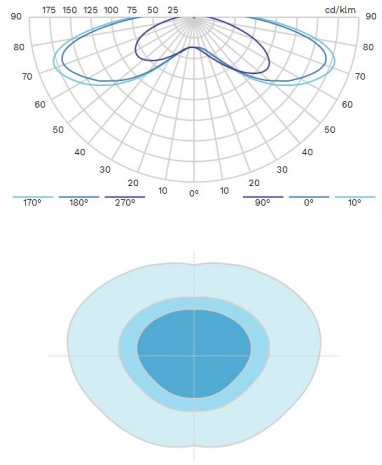

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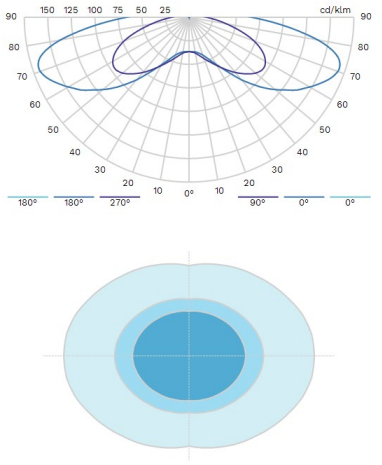

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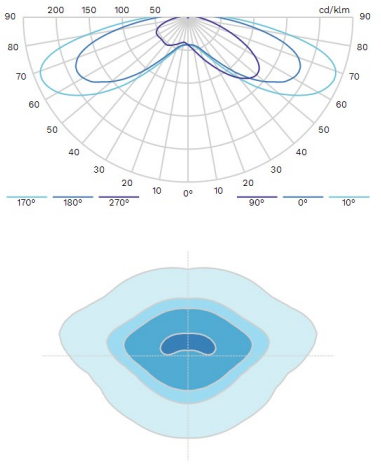

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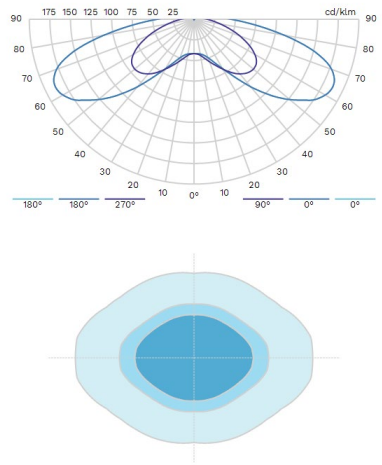

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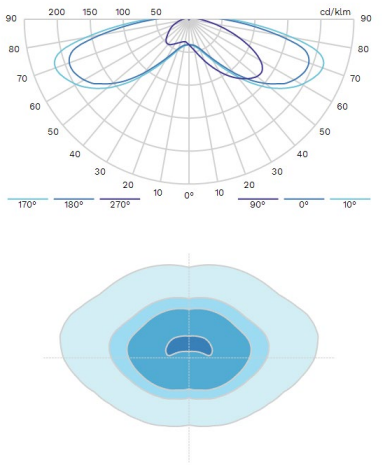

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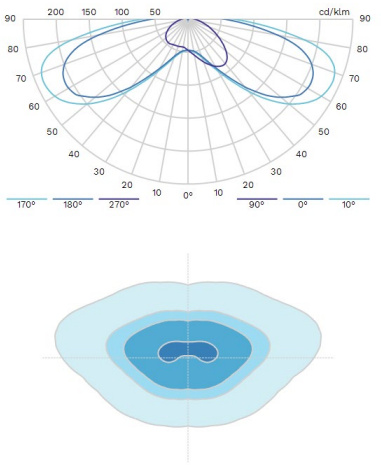

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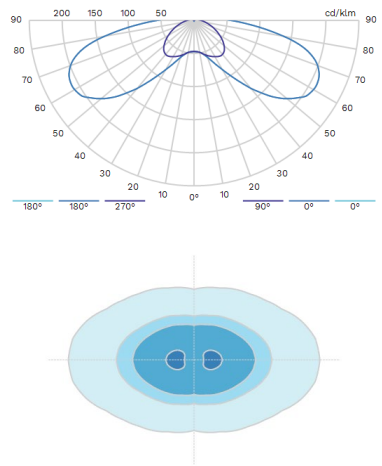

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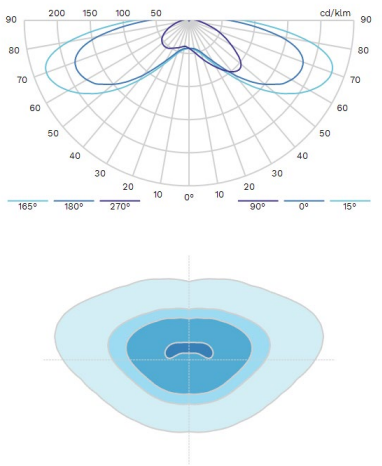

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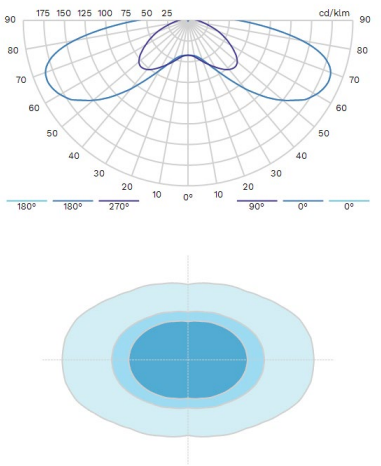

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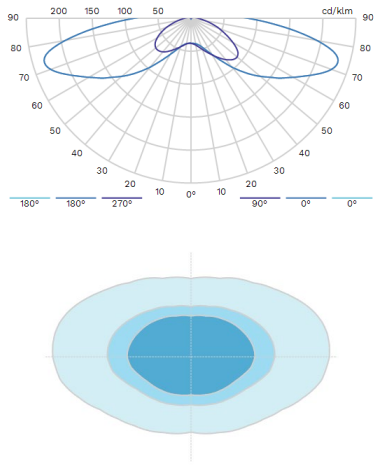

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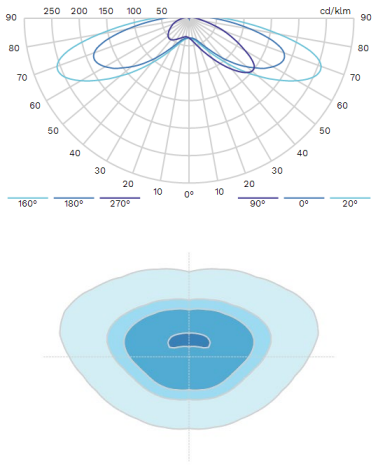

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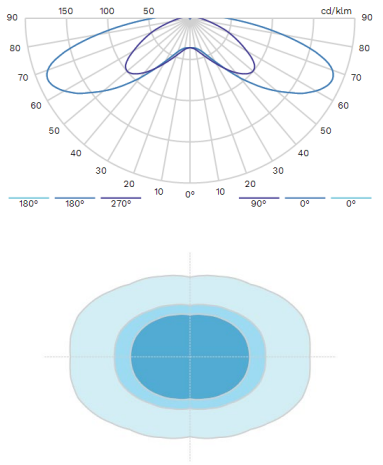

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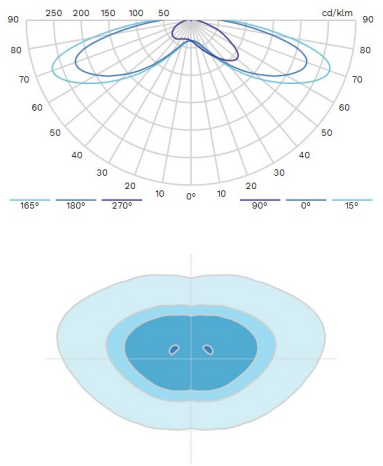

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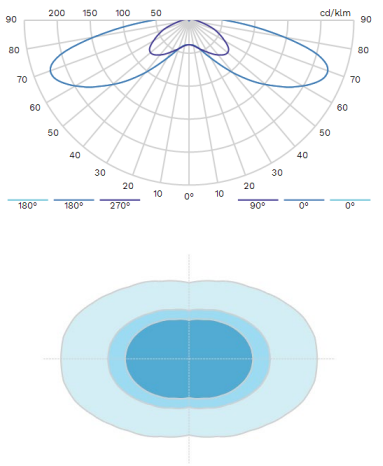

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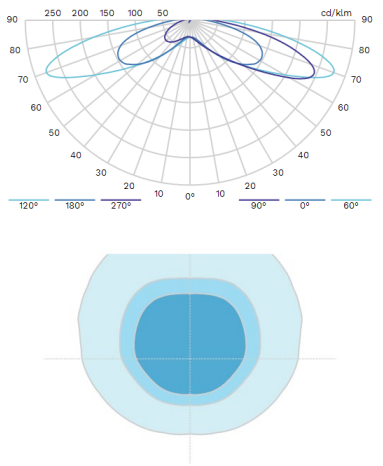

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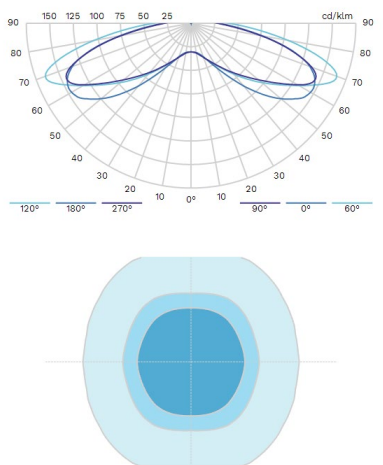

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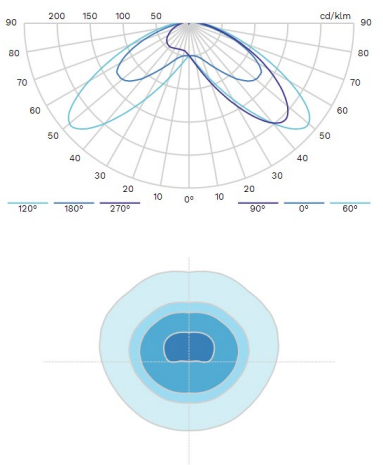

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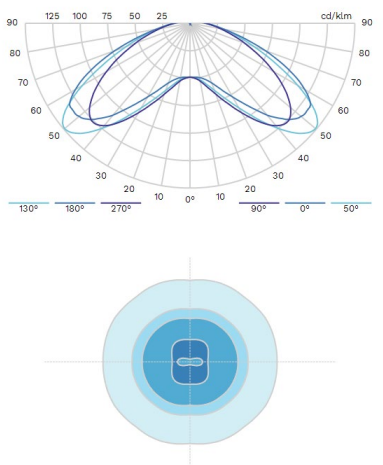

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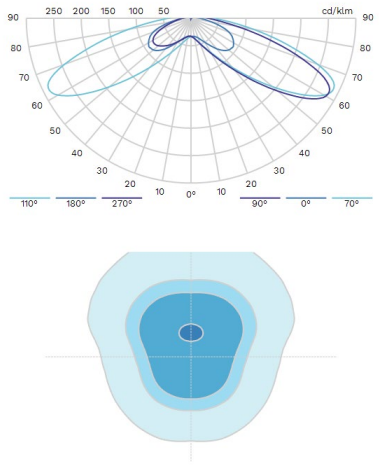

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