Schréder
Experts in lightability™

DECORATIVE

KORUZ

LENSO FLEX™ 2

Versatile linear LED lighting solution for various urban and transport applications

KORUZ is a versatile linear LED lighting solution designed for a wide range of urban and transport applications. Available in various lengths and lumen packages, it offers multiple light distributions to suit specific project requirements. Its compact, lightweight design allows installation in numerous environments such as pedestrian walkways, public squares, kiosks, stairways, railways and other public spaces.

KORUZ can be mounted on new or existing infrastructure, enabling fast, cost-effective replacement projects with no major changes. It provides energy-efficient, reliable and visually comfortable lighting for your various public spaces.

IP 66 | IK 09 | IK 10

URBAN & RESIDENTIAL STREETS | BRIDGES | TUNNELS & UNDERPASSES | BIKE & PEDESTRIAN PATHS | RAILWAY STATIONS & METROS | CAR PARKS | SQUARES & PEDESTRIAN AREAS | INDUSTRIAL HALLS & WAREHOUSES

Concept

KORUZ features a robust design built around an extruded aluminium housing, hosting the photometric engines and the electronic components, sealed with two aluminium end caps. Available in four sizes and offering high levels of ingress protection and mechanical resistance, KORUZ is the ideal linear lighting solution for a wide range of urban and transport applications.

Its advanced LED technology and variety of light distributions deliver uniform, comfortable and precisely targeted illumination for diverse project requirements. Durable components ensure long-term reliability and minimal maintenance, making KORUZ particularly suited to hard-to-reach and low-access areas such as railway tracks, station platforms or loading docks. As a result, KORUZ is a lighting solution that is easy to deploy, cost-effective and profitable over the long term.

KORUZ is designed to integrate seamlessly into both existing structures and new installations, thanks to its extensive mounting options. Whether surface-mounted or pole-mounted – on square or round poles, in fixed or adjustable configurations – KORUZ meets the most demanding lighting challenges.

Four sizes, with a variety of light distributions, to meet a wide range of project requirements.

Advanced LED technology with high efficiency and low power consumption.

TYPES OF APPLICATION

- URBAN & RESIDENTIAL STREETS
- BRIDGES
- TUNNELS & UNDERPASSES
- BIKE & PEDESTRIAN PATHS
- RAILWAY STATIONS & METROS
- CAR PARKS
- SQUARES & PEDESTRIAN AREAS
- INDUSTRIAL HALLS & WAREHOUSES

KEY ADVANTAGES

- Compact, lightweight and easy to install
- Maximised savings in energy and maintenance costs
- Highly efficient LED light source
- 4 sizes for flexibility
- Robust luminaire
- Large range of mounting options

Compact, lightweight, user-friendly solution.

Various mounting options with a quick and easy installation system.

KORUZ | KORUZ 3

KORUZ | KORUZ 6

KORUZ | KORUZ 8

KORUZ | KORUZ 12

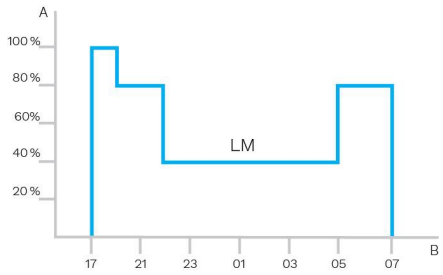
LensoFlex®2

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.

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

GENERAL INFORMATION

CE mark	Yes
ENEC certified	Yes
UKCA marking	Yes

HOUSING AND FINISH

Housing	Aluminium
Optic	PMMA
Protector	Tempered glass
Housing finish	Polyester powder coating Optional "seaside" polyester powder coating (C4 according to the ISO 9223-2012 standard)
Tightness level	IP 66
Impact resistance	IK 09, IK 10
Vibration test	Compliant with modified IEC 68-2-6 (0.5G)

OPERATING CONDITIONS

Operating temperature range (Ta)	-30°C up to +55°C / -22°F up to 131°F with wind effect

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

ELECTRICAL INFORMATION

Electrical class	Class I EU, Class II EU
Nominal voltage	220-240V – 50-60Hz
Surge protection options (kV)	10
Electromagnetic compatibility (EMC)	EN 55015 / EN 61000-3-2 / EN 61000-3-3 / EN 61547
Control protocol(s)	DALI
Control options	Bi-power, Custom dimming profile

OPTICAL INFORMATION

LED colour temperature	2700K (Warm White WW 727) 3000K (Warm White WW 730) 3000K (Warm White WW 830) 4000K (Neutral White NW 740)
Colour rendering index (CRI)	>70 (Warm White WW 727) >70 (Warm White WW 730) >80 (Warm White WW 830) >70 (Neutral White NW 740)

LIFETIME OF THE LEDS @ TQ 25°C

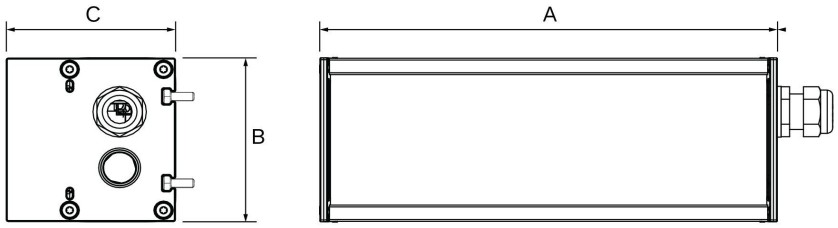
All configurations	100,000h - L95

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

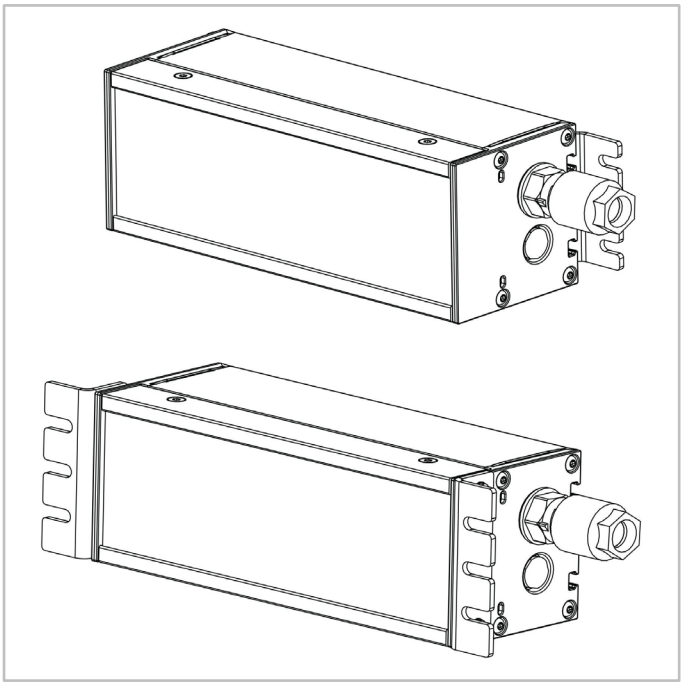
DIMENSIONS AND MOUNTING

AxBxC (mm | inch)	KORUZ 3 : 239x91x89 | 9.4x3.6x3.5 KORUZ 6 : 402x91x89 | 15.8x3.6x3.5 KORUZ 8 : 529x91x89 | 20.8x3.6x3.5 KORUZ 12 : 783x91x89 | 30.8x3.6x3.5
Weight (kg | lbs)	KORUZ 3 : 1.9 | 4.2 KORUZ 6 : 3.4 | 7.5 KORUZ 8 : 4.6 | 10.1 KORUZ 12 : 6.4 | 14.1
Aerodynamic resistance (CxS)	KORUZ 3 : 0.03 KORUZ 6 : 0.04 KORUZ 8 : 0.06 KORUZ 12 : 0.08
Mounting possibilities	Bracket enabling adjustable inclination Surface mounting Clips for surface/wall mounting Wall-mounted

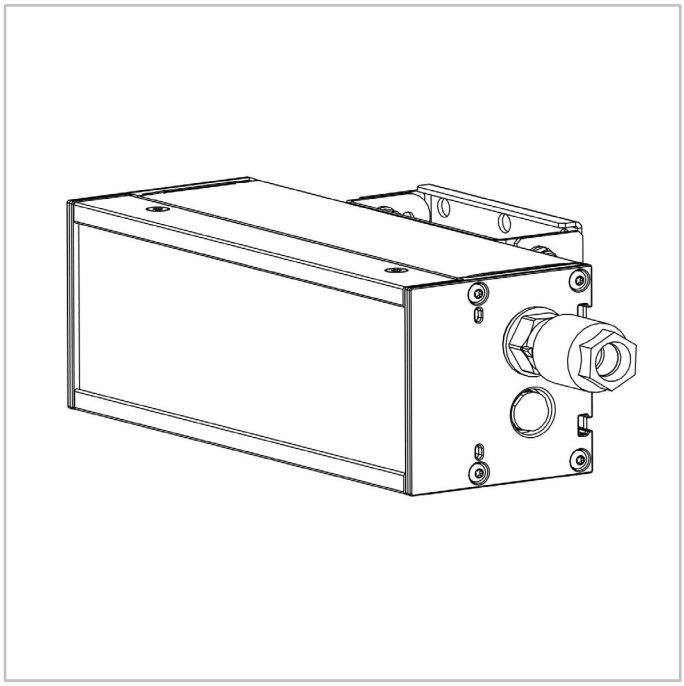
· *For more information about mounting possibilities, please consult the installation sheet.*



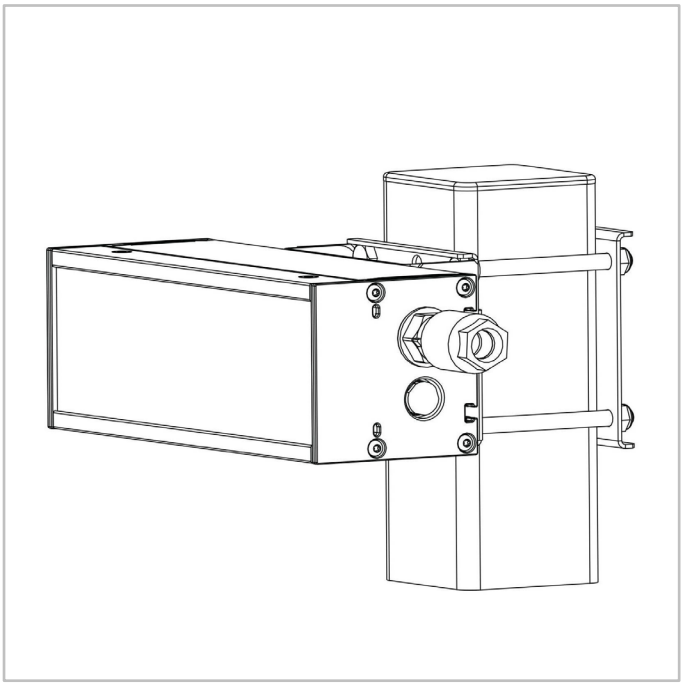
KORUZ | Surface mounting with fixed brackets



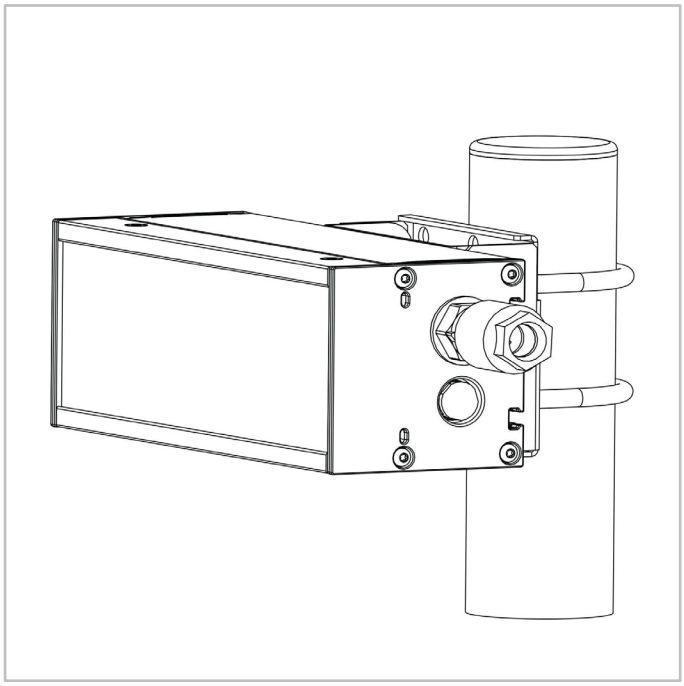
KORUZ | Wall mounting with adjustable bracket



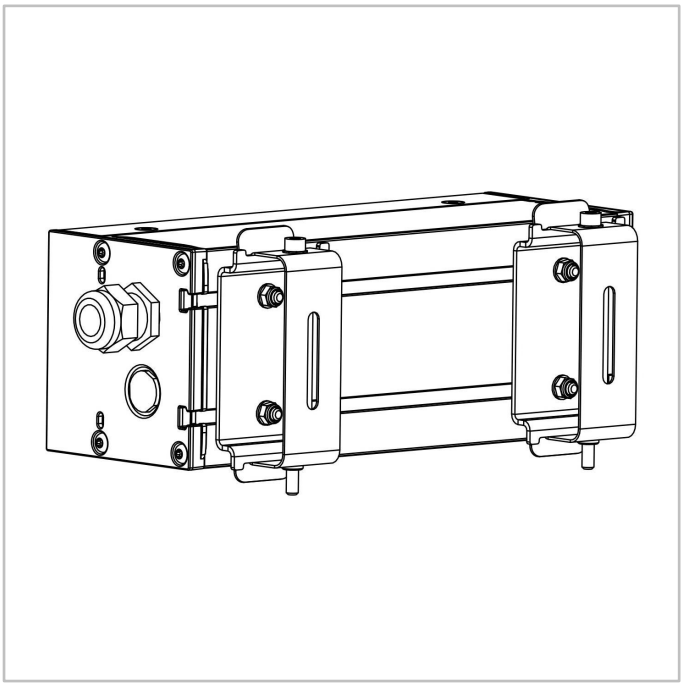
KORUZ | Ø76mm square-pole mounting



KORUZ | Round-pole mounting (Ø60mm)



KORUZ | Spring brackets



KORUZ 3

Photometry

LENSO FLEX™2

	Luminaire output flux (lm)								Power consumption (W)		Luminaire efficacy (lm/W)
	Warm White WW 727		Warm White WW 730		Warm White WW 830		Neutral White NW 740				
Number of LEDs	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to
12	800	4300	800	4600	700	4100	900	5000	8	40	149

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

KORUZ 6

Photometry

LENSO FLEX™2

	Luminaire output flux (lm)								Power consumption (W)		Luminaire efficacy (lm/W)
	Warm White WW 727		Warm White WW 730		Warm White WW 830		Neutral White NW 740				
Number of LEDs	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to
20	1300	7300	1400	7800	1200	6800	1500	8400	13	64	158

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

KORUZ 8

Photometry

LENSO FLEX™2

	Luminaire output flux (lm)								Power consumption (W)		Luminaire efficacy (lm/W)
	Warm White WW 727		Warm White WW 730		Warm White WW 830		Neutral White NW 740				
Number of LEDs	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to
28	1900	10200	2000	10900	1700	9600	2200	11800	18	89	157

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

KORUZ 12

Photometry

LENSO FLEX™ 2

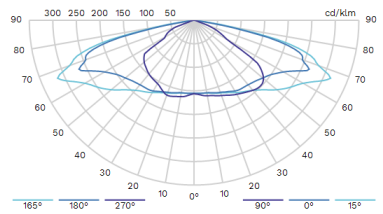
	Luminaire output flux (lm)								Power consumption (W)		Luminaire efficacy (lm/W)
	Warm White WW 727		Warm White WW 730		Warm White WW 830		Neutral White NW 740				
Number of LEDs	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to
44	3000	14600	3200	15600	2800	13700	3400	17000	27	125	163

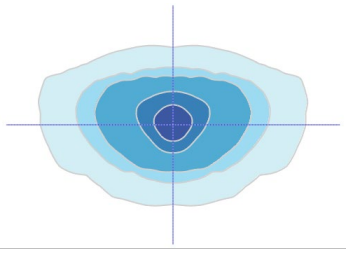
Tolerance on LED flux is ± 7% and on total luminaire power ± 5 %

LensoFlex2

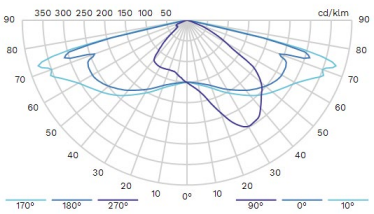
LENSO FLEX™ 2

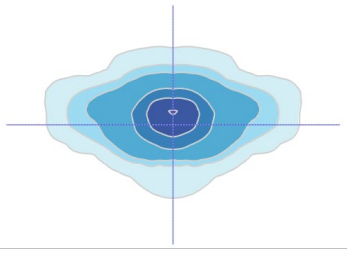
LENSO FLEX™ 2 5068 Medium



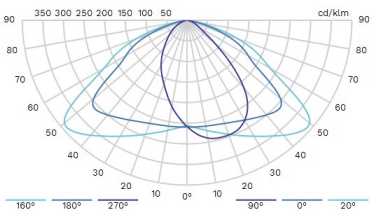


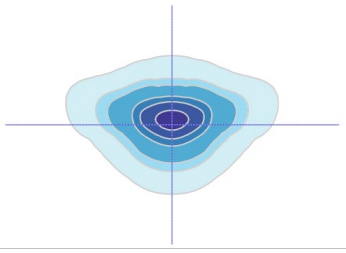
LENSO FLEX™ 2 5098 Medium



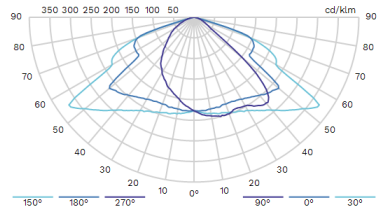


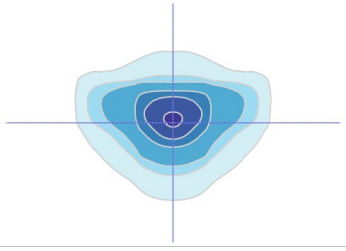
LENSO FLEX™ 2 5102 Medium



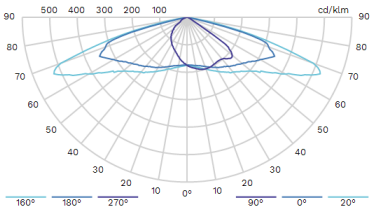


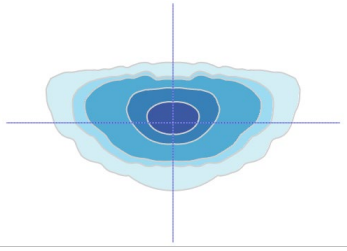
LENSO FLEX™ 2 5103 Medium



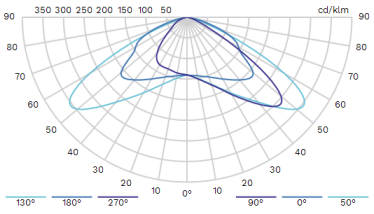


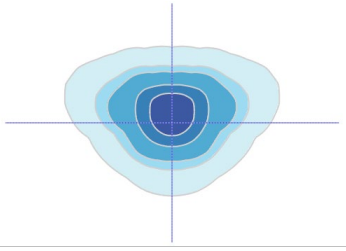
LENSO FLEX™ 2 5118 Medium



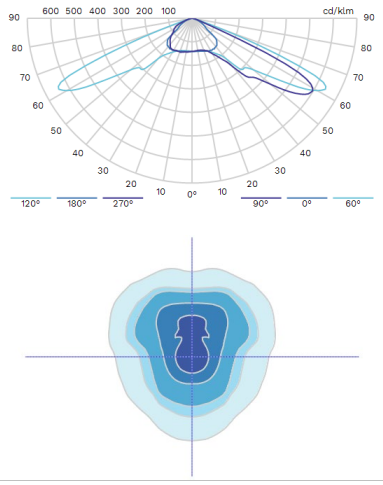


LENSO FLEX™ 2 5117 Wide





LENSO FLEX™ 2 5121 Extra-Wide



LENSO FLEX™ 2 5119 Ultra-Wide