Schréder
Experts in lightability™

DECORATIVE

RIVARA GEN2

LENSO FLEX™ 2

The ideal combination of a pure, distinctive design with the latest LED technology

RIVARA GEN2 helps cities create clean, contemporary urban spaces while improving energy efficiency. Its refined architectural design fits naturally into modern urban environments, helping to enhance the identity and appeal of public spaces while benefiting from the performance of the latest LED technology.

Delivering uniform, effective illumination, RIVARA GEN2 improves the visual comfort and attractiveness of a variety of urban applications while reducing energy consumption. Available in single or double bracket configurations, it provides the flexibility to adapt the solution to the specific requirements of each project.

RIVARA GEN2 combines aesthetics and performance, enhancing public spaces with a modern, welcoming atmosphere, day and night.

IP 66 | IK 09 | IK 10

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

Concept

Made of painted galvanised steel, the RIVARA GEN2's body and dedicated poles provide robust mechanical construction while offering elegant, contemporary linear forms that blend naturally into the architectural landscape.

RIVARA GEN2 integrates the highly efficient LensoFlex® photometric engines, available with a wide range of light distributions, allowing you to tailor the lighting solution to the needs of various urban applications, including squares, narrow streets, pedestrian areas and residential districts.

RIVARA GEN2 is a complete lighting point, available in several sizes and supplied with its rectangular pole in a range of heights, helping to simplify both ordering and installation. Thanks to its dedicated mounting brackets, this urban luminaire is also available in single or double configurations.

RIVARA GEN2 helps cities take greater control of their lighting network through connected lighting, enabling them to monitor energy consumption, adjust lighting levels in real time and create lighting scenario tailored to the needs of each area.

RIVARA GEN2 features a sleek, modern design that blends into contemporary urban environments.

Delivered with a dedicated rectangular pole, RIVARA GEN2 simplifies specification and installation.

Equipped with advanced LED technology for uniform lighting and reduced energy consumption.

Available with single or double brackets to suit various project requirements.

TYPES OF APPLICATION

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

KEY ADVANTAGES

- Refined design which blends perfectly into any architectural environment
- Maximised savings in energy and maintenance costs
- Highly efficient LED light source
- Robust materials
- Connected-ready
- Zhaga-D4i certified

Copyright © Schréder SA - October 2026. All rights reserved. Specifications are of an indicative nature and subject to change without notice.

RIVARA GEN2 | On pole – single bracket

RIVARA GEN2 | On pole – double bracket

RIVARA GEN2 | RIVARA GEN2 Midi

RIVARA GEN2 | RIVARA GEN2 Mini

Copyright © Schréder SA - October 2026. All rights reserved. Specifications are of an indicative nature and subject to change without notice.

RIVARA GEN2 | RIVARA GEN2 Micro

Copyright © Schréder SA - October 2026. All rights reserved. Specifications are of an indicative nature and subject to change without notice.

LensoFlex®2

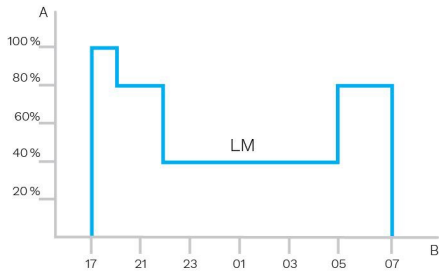
LensoFlex®2 is based upon the addition principle of photometric distribution. Each LED is associated with a specific PMMA lens that generates the complete photometric distribution of the luminaire. The number of LEDs in combination with the driving current determines the intensity level of the light distribution.

Copyright © Schréder SA - October 2026. All rights reserved. Specifications are of an indicative nature and subject to change without notice.

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.

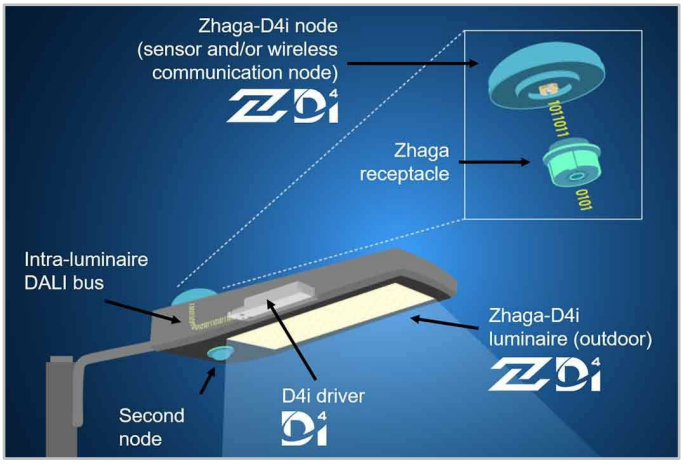
The period between switching on and switching off is used to activate the preset dimming profile. The customised dimming system generates maximum energy savings while respecting the required lighting levels and uniformity throughout the night.



A. Dimming level | B. Time

Copyright © Schréder SA - October 2026. All rights reserved. Specifications are of an indicative nature and subject to change without notice.

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

Member of Zhaga

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.

Copyright © Schréder SA - October 2026. All rights reserved. Specifications are of an indicative nature and subject to change without notice.

Schréder EXEDRA is the most advanced lighting management system on the market for controlling, monitoring and analysing streetlights in a user-friendly way.

Standardisation for interoperable ecosystems

Schréder plays a key role in driving standardisation with alliances and partners such as uCIFI, TALQ or Zhaga. Our joint commitment is to provide solutions designed for vertical and horizontal IoT integration. From the body (hardware) to the language (data model) and the intelligence (algorithms), the complete Schréder EXEDRA system relies on shared and open technologies. Schréder EXEDRA also relies on Microsoft Azure for cloud services, provided with the highest levels of trust, transparency, standards conformance and regulatory compliance.

Breaking the silos

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

- control devices (luminaires) from other brands
- manage controllers and to integrate sensors from other brands
- connect with third-party devices and platforms

A plug-and-play solution

As a gateway-less system using the cellular network, an intelligent automated commissioning process recognises, verifies and retrieves luminaire data into the user interface. The self-healing mesh between luminaire controllers enables real-time adaptive lighting to be configured directly via the user interface. OWLET IV luminaire controllers, optimised for Schréder EXEDRA, operate Schréder's luminaires and luminaires from third parties. They use both cellular and mesh radio networks, optimising geographical coverage and redundancy for continuous operation.

Tailored experience

Schréder EXEDRA includes all advanced features needed for smart device management, real-time and scheduled control, dynamic and automated lighting scenarios, maintenance and field operation planning, energy consumption management and third-party connected hardware integration. It is fully configurable and includes tools for user management and multi-tenant policy that enables contractors, utilities or big cities to segregate projects.

A powerful tool for efficiency, rationalisation and decision making

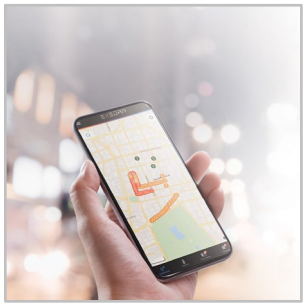
Data is gold. Schréder EXEDRA brings it with all the clarity managers need to drive decisions. The platform collects massive amounts of data from end devices and, aggregates, analyses and intuitively displays them to help end-users take the right actions.

Protected on every side

ISO 27001
BUREAU VERITAS
Certification

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

Mobile App: any time, any place, connect to your street lighting



The Schréder EXEDRA mobile application offers the essential functionalities of the desktop platform, to accompany all types of operator on site in their daily effort to maximise the potential of connected lighting. It enables real-time control and settings, and contributes to effective maintenance.

Copyright © Schréder SA - October 2026. All rights reserved. Specifications are of an indicative nature and subject to change without notice.

GENERAL INFORMATION

Circle Light label	Score between 60 and 90 - The product meets most of circular economy requirements
CE mark	Yes
UKCA marking	Yes
ENEC certified	Yes
ENEC+ certified	Yes
Zhaga-D4i certified	Yes
Testing standard	EN 60598-1 EN 60598-2-1 EN 62262 IEC 62722-2-1 IEC 62493 IEC 62471

HOUSING AND FINISH

Housing	Galvanised steel
Optic	PMMA
Protector	Tempered glass
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, Remote management
Socket	Zhaga (optional)
Associated control system(s)	Schréder EXEDRA

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)
ULOR	0%
ULR	0%

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

LIFETIME OF THE LEDS @ TQ 25°C

All configurations	100,000h - L95

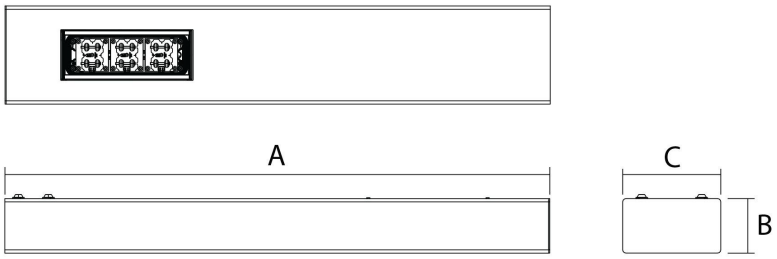
· Lifetime may be different according to the size/configurations. Please consult us.

Copyright © Schréder SA - October 2026. All rights reserved. Specifications are of an indicative nature and subject to change without notice.

DIMENSIONS AND MOUNTING

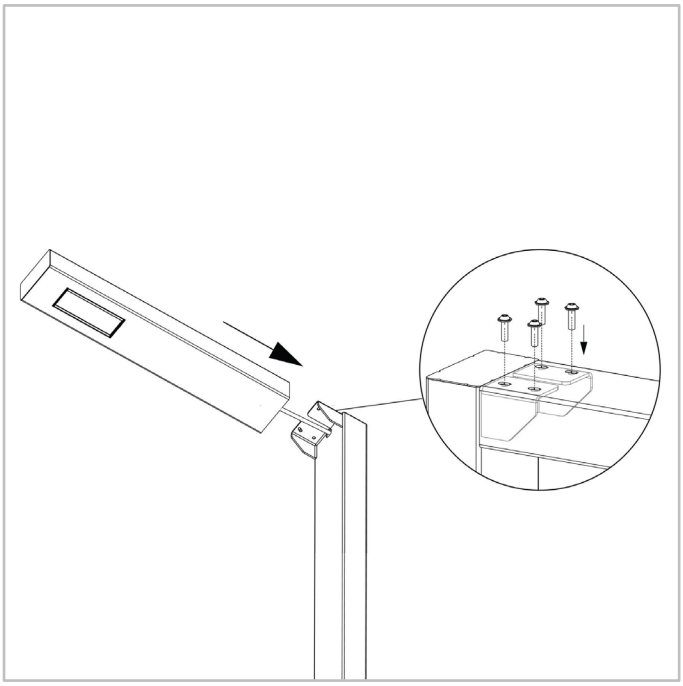
AxBxC (mm | inch)	RIVARA GEN2 MICRO : 500x100x180 | 19.7x3.9x7.1 RIVARA GEN2 MINI : 750x100x180 | 29.5x3.9x7.1 RIVARA GEN2 MIDI : 1000x100x180 | 39.4x3.9x7.1
Weight (kg | lbs)	RIVARA GEN2 MICRO : 9.7 | 21.2 RIVARA GEN2 MINI : 13.8 | 30.3 RIVARA GEN2 MIDI : 15.2 | 33.3
Aerodynamic resistance (CxS)	RIVARA GEN2 MICRO : 0.07 RIVARA GEN2 MINI : 0.10 RIVARA GEN2 MIDI : 0.18
Mounting possibilities	On a dedicated range of poles/brackets

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



Copyright © Schréder SA - October 2026. All rights reserved. Specifications are of an indicative nature and subject to change without notice.

RIVARA GEN2 | Pole mounting (single or double bracket available)



Copyright © Schréder SA - October 2026. All rights reserved. Specifications are of an indicative nature and subject to change without notice.

RIVARA GEN2 MICRO

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	4500	900	4900	800	4200	1000	5200	8	41	153

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

RIVARA GEN2 MINI

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	4500	900	4900	800	4200	1000	5200	8	41	153
20	1400	7200	1600	7900	1300	6800	1600	8400	13	60	164

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

RIVARA GEN2 MIDI

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	4500	900	4900	800	4200	1000	5200	8	41	154
20	1400	7500	1500	8300	1300	7100	1600	8700	13	64	163

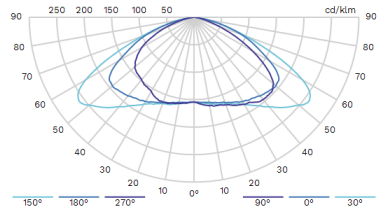
Tolerance on LED flux is ± 7% and on total luminaire power ± 5 %

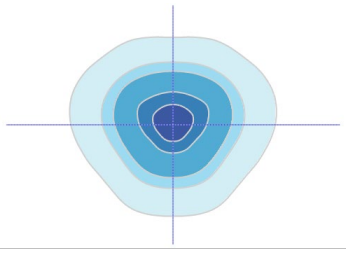
Copyright © Schréder SA - October 2026. All rights reserved. Specifications are of an indicative nature and subject to change without notice.

LensoFlex2

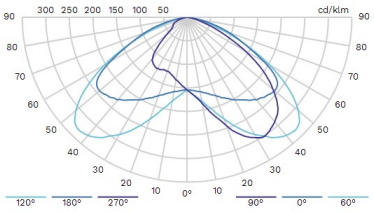
LENSO FLEX™ 2

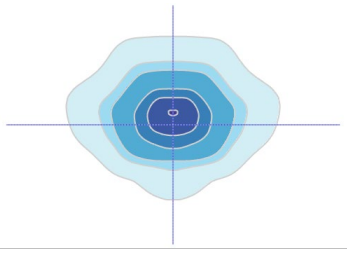
LENSO FLEX™ 2 5068 Medium



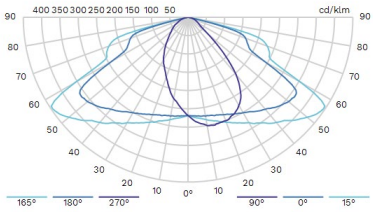


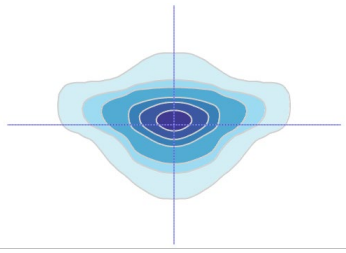
LENSO FLEX™ 2 5098 Medium



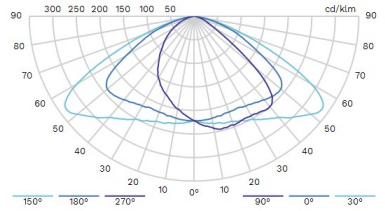


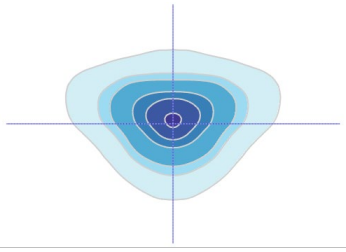
LENSO FLEX™ 2 5102 Medium



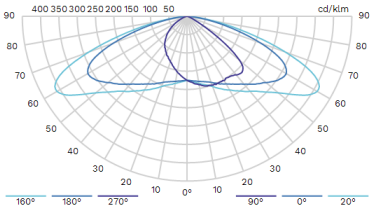


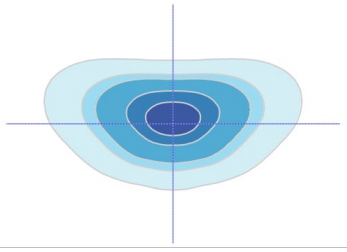
LENSO FLEX™ 2 5103 Medium



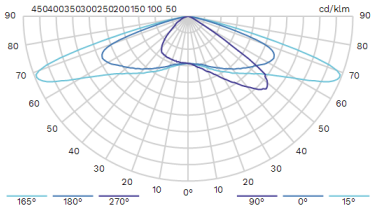


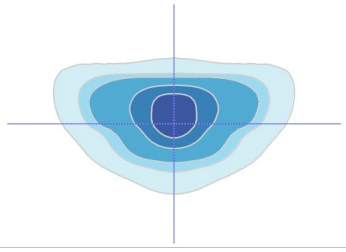
LENSO FLEX™ 2 5118 Medium





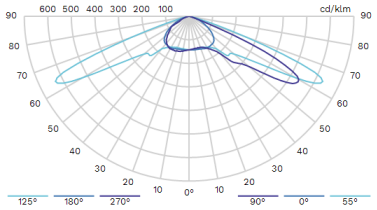
LENSO FLEX™ 2 5117 Wide

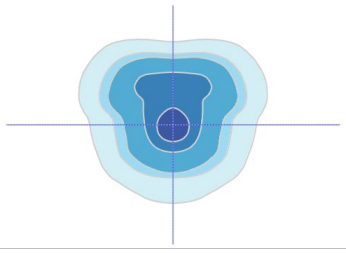




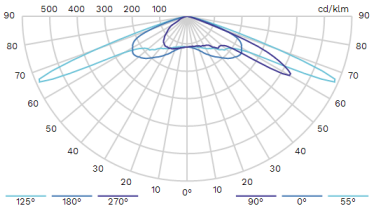
Copyright © Schréder SA - October 2026. All rights reserved. Specifications are of an indicative nature and subject to change without notice.

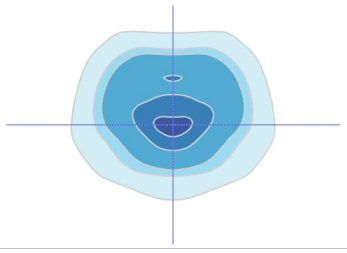
LENSO FLEX™ 2 5121 Extra-Wide





LENSO FLEX™ 2 5119 Ultra-Wide





Copyright © Schréder SA - October 2026. All rights reserved. Specifications are of an indicative nature and subject to change without notice.