INTILUM

IP 66 IK 08

Cost-effective, highly efficient, scalable road lighting solution

The INTILUM luminaire range is a refined lighting solution specifically designed to meet the requirements of contemporary road and urban environments. Combining performance with design, INTILUM delivers optimal lighting while significantly lowering operational and maintenance costs.

Available in four sizes, it offers a wide range of lumen packages to suit various road and urban applications, from residential streets to major roads and motorways. It provides a precisely scaled lighting solution, allowing planners and engineers to tailor installations with pinpoint accuracy.

The INTILUM range benefits from advanced LEDs and optical engines, achieving high performance lighting, substantial energy savings and a rapid return on investment.

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

Concept

INTILUM is a versatile 4-size range of luminaires, all made of robust die-casted aluminium and glass, enabling them to withstand the challenging conditions of outdoor road and urban environments (stone-throwing, vandalism, UV radiation, etc.).

The INTILUM luminaires offer a clean, refined design that blends into various types of landscape while delivering a wide range of lumen packages. It provides the right light for any type of application, from residential areas to highways.

Each INTILUM luminaire incorporates the latest generation of LEDs and optical engines, achieving substantial energy savings and enabling a rapid return on investment. Its high efficacy makes it ideal for municipalities and infrastructure operators aiming to reduce their carbon footprint without compromising on lighting quality or safety.

A connected-ready luminaire, INTILUM is supplied with a NEMA socket, enabling fast and easy integration into remote lighting management systems. This makes it a valuable asset for controlling lighting levels, easing installation monitoring and generating significant energy savings.

Designed for simplicity of use, the INTILUM range offers tool-free access to the gear compartment, facilitating wiring and maintenance activities.

All INTILUM luminaires can be easily installed post-top or side-entry, on Ø42-Ø60mm spigots, by tightening 2xM8 screws. The luminaire orientation can be set onsite from -15° to 15°, to perfect the photometry.

INTILUM is the ideal choice for balancing performance, efficiency and connectivity.

4 sizes, offering various lumen packages, to suit a wide range of road and urban applications.

Equipped with a NEMA socket, the INTILUM range unlocks remote lighting management options for even greater energy efficiency.

Lightweight, clean design ensuring easy installation as well as subtle integration into various environments.

Tool-free opening for hassle-free maintenance and wiring.

TYPES OF APPLICATION

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

KEY ADVANTAGES

- Compact, lightweight and easy to install
- 4 sizes for flexibility
- Cost-effective solution for road lighting installations
- Connected-ready
- Maximum energy saving
- Compatible with the Schréder EXEDRA control platform

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

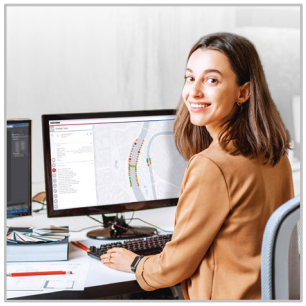
With EXEDRA, Schréder has taken a technology-agnostic approach: we rely on open standards and protocols to design an architecture able to interact seamlessly with third-party software and hardware solutions. Schréder EXEDRA is designed to unlock complete interoperability, as it offers the ability to:

- 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

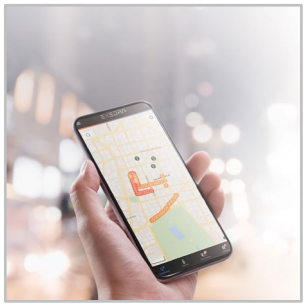
Data is gold. Schréder EXEDRA brings it with all the clarity managers need to drive decisions. The platform collects massive amounts of data from end devices and, aggregates, analyses and intuitively displays them to help end-users take the right actions.

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.

GENERAL INFORMATION

Recommended installation height	4m to 15m | 13' to 49'
Driver included	Yes
CE mark	Yes

HOUSING AND FINISH

Housing	Aluminium
Optic	Polycarbonate
Protector	Tempered glass
Housing finish	Polyester powder coating
Standard colour(s)	RAL 9006B
Tightness level	IP 66
Impact resistance	IK 08
Vibration test	Compliant with ANSI C 136-31 standard, 3G load
Access for maintenance	Tool-less access to gear compartment

OPERATING CONDITIONS

Operating temperature range (Ta)	-30°C up to +40°C / -22°F up to 104°F

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

ELECTRICAL INFORMATION

Electrical class	Class I EU, Class II EU
Nominal voltage	120-277V – 50-60Hz 220-240V – 50-60Hz
Surge protection options (kV)	10
Electromagnetic compatibility (EMC)	EN 55015 / EN 61000-3-2 / EN 61000-3-3 / EN 61547 EN 62493:2015
Control options	Remote management
Socket	NEMA 7-pin
Associated control system(s)	Schréder EXEDRA

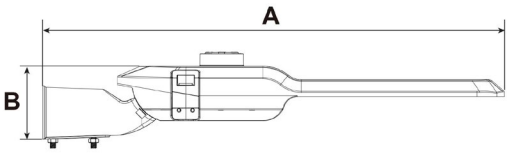
OPTICAL INFORMATION

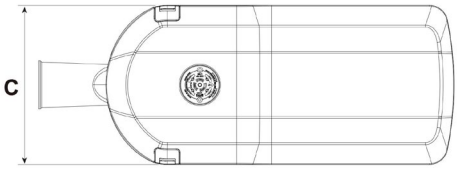
LED colour temperature	2200K (Warm White WW 722) 2700K (Warm White WW 727) 3000K (Warm White WW 730) 4000K (Neutral White NW 740)
Colour rendering index (CRI)	>70 (Warm White WW 722) >70 (Warm White WW 727) >70 (Warm White WW 730) >70 (Neutral White NW 740)

DIMENSIONS AND MOUNTING

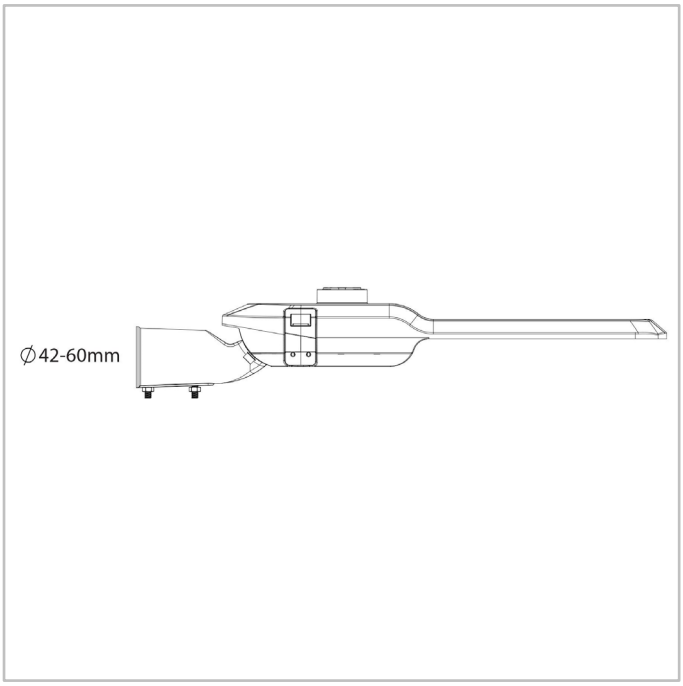
AxBxC (mm | inch)	INTILUM 1 : 562x107x200 | 22.1x4.2x7.9 INTILUM 2 : 607x107x240 | 23.9x4.2x9.4 INTILUM 3 : 680x107x260 | 26.8x4.2x10.2 INTILUM 4 : 766x107x300 | 30.2x4.2x11.8
Weight (kg | lbs)	INTILUM 1 : 3.1 | 6.9 INTILUM 2 : 4.3 | 9.4 INTILUM 3 : 4.6 | 10.0 INTILUM 4 : 6.4 | 14.0
Aerodynamic resistance (CxS)	INTILUM 1 : 0.10 INTILUM 2 : 0.13 INTILUM 3 : 0.17 INTILUM 4 : 0.22
Mounting possibilities	Side-entry slip-over – Ø42mm Side-entry slip-over – Ø48mm Side-entry slip-over – Ø60mm Post-top slip-over – Ø42mm Post-top slip-over – Ø48mm Post-top slip-over – Ø60mm

· *For more information about mounting possibilities, please consult the installation sheet.*
· *Dimensions given with Ø60mm spigot (side-entry mounting)*

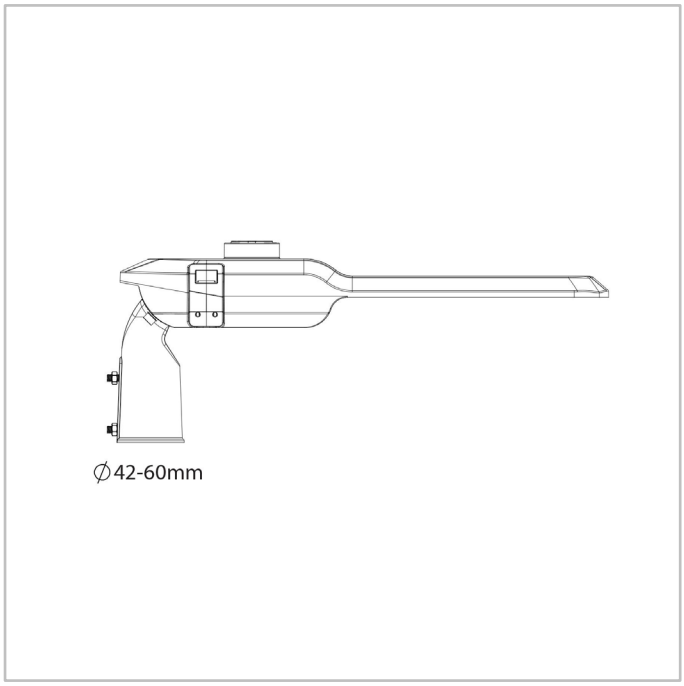




INTILUM | Side-entry mounting suitable for Ø42-Ø60mm spigots - 2xM8 screws



INTILUM | Post-top mounting suitable for Ø42-Ø60mm spigots - 2xM8 screws



INTILUM 1

	Luminaire output flux (lm)								Power consumption (W)		Luminaire efficacy (lm/W)
	Warm White WW 722		Warm White WW 727		Warm White WW 730		Neutral White NW 740				
Number of LEDs	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to
21	3800	6600	4200	7200	4600	7800	4900	8400	40	60	142

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

INTILUM 2

	Luminaire output flux (lm)								Power consumption (W)		Luminaire efficacy (lm/W)
	Warm White WW 722		Warm White WW 727		Warm White WW 730		Neutral White NW 740				
Number of LEDs	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to
35	9400	10300	10300	11300	11200	12200	12100	13200	90	90	148
45	12700	13800	13900	15100	15100	16500	16300	17800	120	120	149

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

INTILUM 3

	Luminaire output flux (lm)								Power consumption (W)		Luminaire efficacy (lm/W)
	Warm White WW 722		Warm White WW 727		Warm White WW 730		Neutral White NW 740				
Number of LEDs	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to
54	15500	17000	17000	18600	18500	20200	20000	21800	150	150	146
63	18700	20400	20500	22400	22300	24300	24100	26300	180	180	146

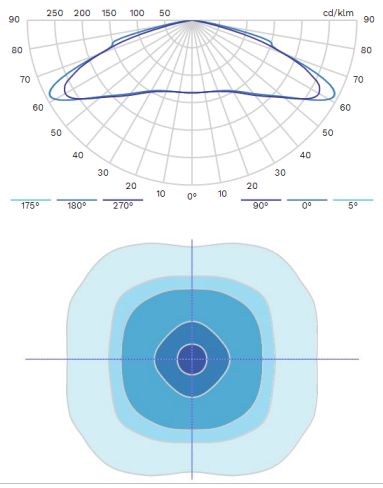
Tolerance on LED flux is ± 7% and on total luminaire power ± 5 %

INTILUM 4

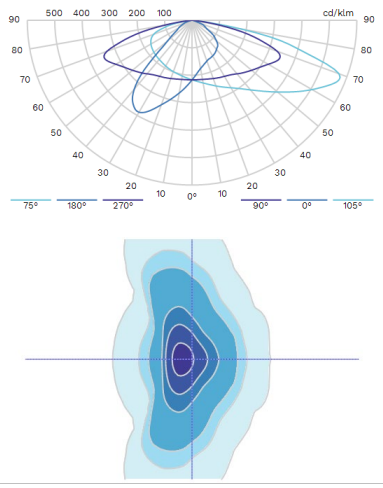
	Luminaire output flux (lm)								Power consumption (W)		Luminaire efficacy (lm/W)
	Warm White WW 722		Warm White WW 727		Warm White WW 730		Neutral White NW 740				
Number of LEDs	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to
72	21700	23700	23800	26000	25800	28200	27900	30500	200	200	153
104	26400	28800	28900	31600	31400	34300	34000	37100	240	240	155

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

7269 **Wide Square**



7268 **Medium**



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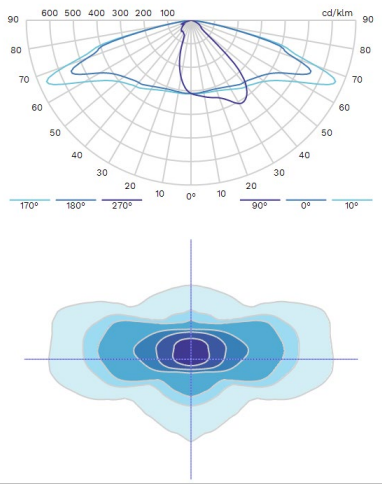

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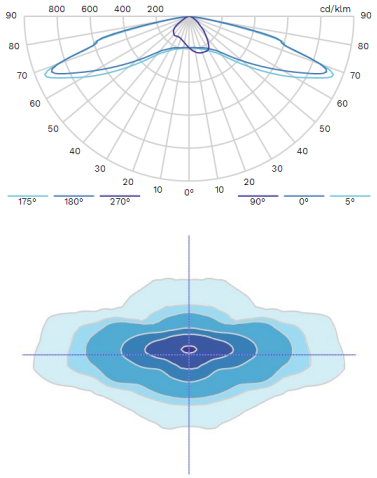

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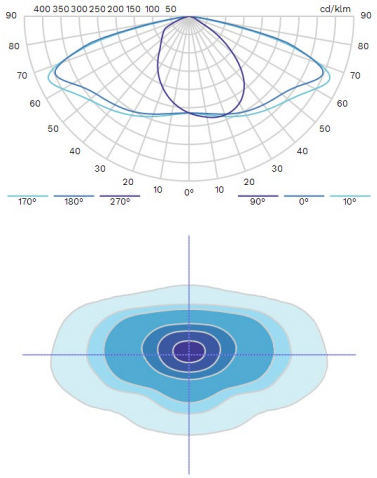

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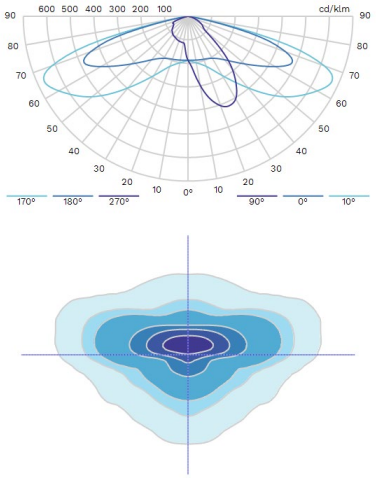
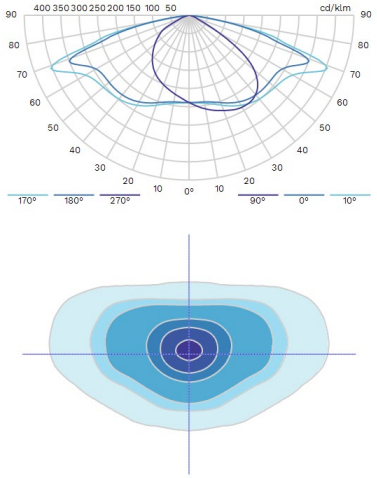


7274 **Extra-Wide**



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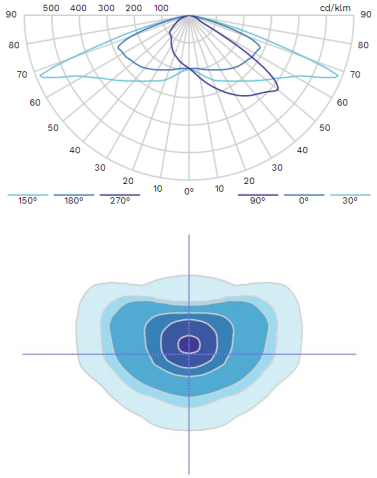

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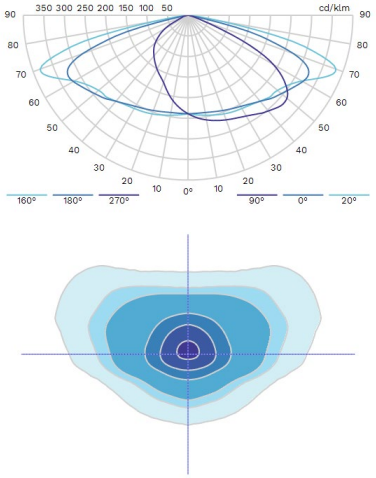
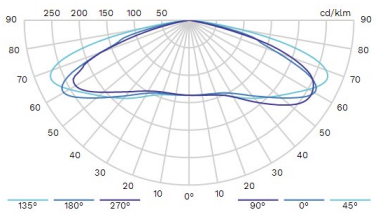
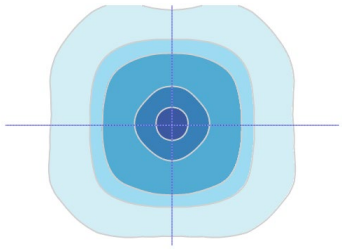


7266 Ultra-Wide Square





7275 Ultra-Wide