

ALBANY LED



A versatile best-seller converted to LED technology

A classic of the Victorian era, the ALBANY LED is notable for its versatility.

Available in two sizes, with a range of LED photometric engines and a timeless design, it is suitable for large urban centres as well as villages or towns.

Adopted from Spain to China and from Brazil to Malaysia, the design of the ALBANY LED luminaire pleases at every latitude.

Equipped with state-of-the-art LED technology, this classic luminaire is ready to improve the quality, comfort and safety of your lighting installation while offering significant energy savings and reduced CO2 emissions.



IP 66

IK 08



005
certification



CE



Concept

The ALBANY LED luminaires are composed of an upper and a lower body of spun aluminum and a protector, made of UV-resistant polycarbonate for ALBANY Midi and thermoformed co-extruded polycarbonate for ALBANY Maxi.

Equipped with LensoFlex®2 photometric engines, ALBANY LED can be fitted with 16, 24, 32 or 48 LEDs and a series of lenses that cover a wide range of photometric solutions.

The gear compartment offers a tool less access using ¼ turn optic clamps. This operation allows the optical compartment to swivel open on a hinge.

To suit multiple technical requirements, ALBANY LED is available with various mounting possibilities. It can be installed using a suspended mounting: 1" or 1¼" gas (optional) male for female or female on male, all secured with a counter-nut.

Post-top mounting on a stirrup fork and catenary suspension are also available.



Two sizes to offer the best solution for every application.



ALBANY LED can be mounted using suspended, catenary and post-top fixations.

TYPES OF APPLICATION

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

KEY ADVANTAGES

- A classic shape with the advantages of LED technology
- Low energy consumption
- Photometric engine with light distributions adapted to various applications
- Two sizes for aesthetic consistency
- Robust and recyclable materials
- Numerous mounting options (various post-top or suspended)



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

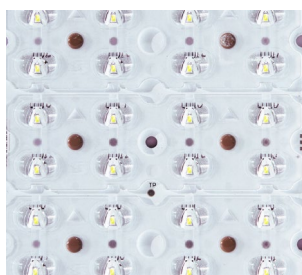


Easy access to LED engine and control gear.



LensoFlex®2

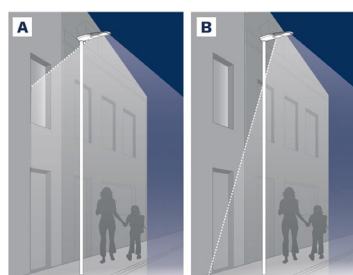
LensoFlex®2 is based upon the addition principle of photometric distribution. Each LED is associated with a specific PMMA lens that generates the complete photometric distribution of the luminaire. The number of LEDs in combination with the driving current determines the intensity level of the light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



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.



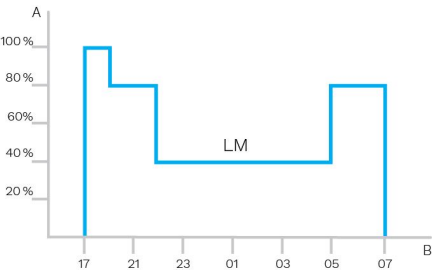
A. Without Back Light control | B. With Back Light control



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



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



Tailored experience

Schröder 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. Schröder 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

Schröder 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.

Standardisation for interoperable ecosystems

Schröder 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 Schröder EXEDRA system relies on shared and open technologies.

Schröder 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, Schröder 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. Schröder 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.

GENERAL INFORMATION

Recommended installation height	4m to 10m 13' to 33'
Driver included	Yes
CE mark	Yes
ENEC certified	Yes
ROHS compliant	Yes
French law of December 27th 2018 - Compliant with application type(s)	a, b, c, d, e, f, g
BE 005 certified	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 08
Vibration test	Compliant with modified IEC 68-2-6 (0.5G)
Access for maintenance	Tool-less access to gear compartment

· The gear compartment is IP 43.

· 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 with wind effect
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· 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)	0.9
Surge protection options (kV)	10
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
Socket	Zhaga (optional) NEMA 7-pin (optional)
Associated control system(s)	Schröder EXEDRA

OPTICAL INFORMATION

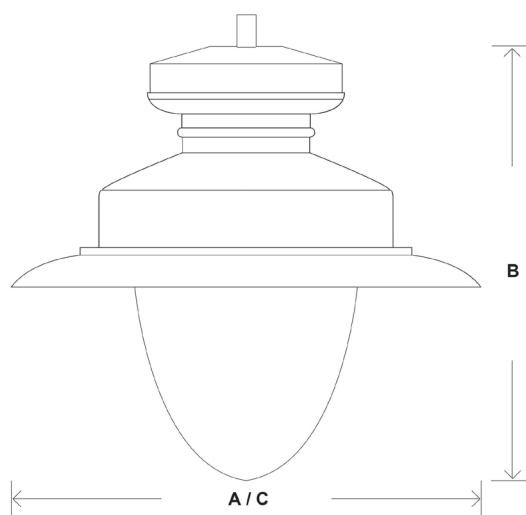
LED colour temperature	2200K (WW 822) 2700K (WW 727) 3000K (WW 730) 3000K (WW 830) 4000K (NW 740)
Colour rendering index (CRI)	>80 (WW 822) >70 (WW 727) >70 (WW 730) >80 (WW 830) >70 (NW 740)
ULOR	<5%
ULR	<5%

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

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

DIMENSIONS AND MOUNTING

AxBxC (mm inch)	ALBANY MIDI LED - 590x570x590 23.2x22.4x23.2 ALBANY MAXI LED - 700x650x700 27.6x25.6x27.6
Weight (kg lbs)	ALBANY MIDI LED - 8 17.6 ALBANY MAXI LED - 10 22.0
Aerodynamic resistance (CxS)	ALBANY MIDI LED - 0.10 ALBANY MAXI LED - 0.14
Mounting possibilities	Post-top slip-over - Ø60mm Post-top slip-over - Ø76mm Post-top slip-over - Ø89mm Post-top slip-over - Ø101mm Suspended 1" gas male Suspended 1" 1/4 gas male Suspended 1" gas female Catenary





			Luminaire output flux (lm) Warm White 727		Luminaire output flux (lm) Warm White 730		Luminaire output flux (lm) Warm White 822		Luminaire output flux (lm) Warm White 830		Luminaire output flux (lm) Neutral White 740		Power consumption (W)	Luminaire efficacy (lm/W)	
Luminaire	Number of LEDs	Current (mA)	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to		Photometry
ALBANY MIDI LED	16	200	1100	1400	1200	1500	800	1000	1000	1200	1200	1500	11	136	
	16	300	1500	1900	1600	2100	1100	1500	1400	1700	1700	2100	15.8	133	
	16	400	1900	2400	2100	2600	1400	1800	1700	2200	2100	2700	20.8	130	
	16	500	2300	2900	2400	3000	1700	2200	2000	2600	2500	3100	25.9	120	
	16	600	2600	3200	2700	3400	1900	2400	2300	2900	2800	3600	31.1	116	
	16	700	2800	3600	3000	3800	2100	2700	2500	3200	3100	3900	36.4	107	
	16	820	3100	3900	3300	4100	2300	2900	2800	3500	3400	4200	43	98	
	24	200	1700	2100	1800	2200	1300	1600	1500	1900	1800	2300	15.4	149	
	24	300	2300	2900	2500	3100	1700	2200	2100	2600	2600	3200	22.5	142	
	24	400	2900	3700	3100	3900	2200	2800	2600	3300	3200	4000	29.9	134	
	24	590	3900	4800	4100	5100	2900	3600	3500	4300	4200	5300	44.5	119	
	24	700	4300	5400	4500	5700	3200	4000	3800	4800	4700	5900	53.5	110	
	24	800	4600	5800	4900	6100	3500	4300	4100	5200	5000	6300	61.5	102	
	24	900	4800	6100	5100	6400	3600	4600	4300	5400	5300	6700	69.5	96	
	24	1000	5000	6300	5300	6700	3800	4700	4500	5600	5500	6900	78	88	
	32	200	2300	2800	2400	3000	1700	2100	2000	2500	2500	3100	20	155	
	32	300	3100	3900	3300	4200	2300	3000	2800	3500	3400	4300	29.6	145	
	32	450	4300	5400	4500	5700	3200	4000	3800	4800	4700	5900	45.5	130	
	32	500	4600	5800	4900	6100	3500	4400	4100	5200	5100	6300	50	126	
	32	600	5200	6500	5500	6900	3900	4900	4700	5900	5700	7200	60	120	
	32	700	5700	7200	6100	7600	4300	5400	5100	6400	6300	7900	70	113	
	32	900	6500	8100	6900	8600	4900	6100	5800	7300	7100	8900	89	100	
	32	1000	6700	8400	7100	8900	5000	6300	6000	7500	7300	9200	99	93	
	48	200	3400	4300	3600	4500	2600	3200	3100	3800	3700	4700	28.9	163	
	48	300	4700	5900	5000	6300	3500	4500	4200	5300	5200	6500	43	151	
	48	400	5900	7400	6300	7800	4400	5600	5300	6600	6500	8100	57.5	141	
	48	550	7400	9300	7900	9800	5600	7000	6600	8300	8100	10200	80	128	

Tolerance on LED flux is $\pm 7\%$ and on total luminaire power $\pm 5\%$



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Luminaire	Number of LEDs	Current (mA)	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to		Photometry
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	16	300	1600	1900	1700	2100	1200	1500	1400	1700	1700	2100	15.8	133	
	16	400	2000	2400	2100	2600	1500	1800	1800	2200	2200	2700	20.8	130	
	16	500	2300	2900	2500	3000	1700	2200	2100	2600	2600	3100	25.9	120	
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	16	700	2900	3600	3100	3800	2200	2700	2600	3200	3200	3900	36.4	107	
	16	900	3300	4000	3500	4300	2500	3000	2900	3600	3600	4400	46.5	95	
	16	1000	3400	4200	3600	4400	2500	3100	3000	3700	3700	4600	52	88	
	24	200	1700	2100	1800	2200	1300	1600	1500	1900	1900	2300	15.4	149	
	24	300	2400	2900	2500	3100	1800	2200	2100	2600	2600	3200	22.5	142	
	24	400	3000	3700	3200	3900	2200	2800	2700	3300	3300	4000	29.9	134	
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	24	800	4700	5800	5000	6100	3500	4300	4200	5200	5100	6300	61.5	102	
	24	900	4900	6100	5200	6400	3700	4600	4400	5400	5400	6700	69.5	96	
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