

# Albany LED



## A versatile best-seller converted to LED technology

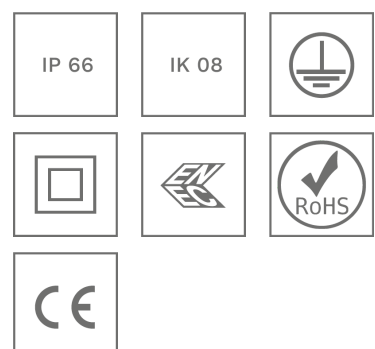
A classic of the Victorian era, the Albany LED is notable for its versatility.

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.



## 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.



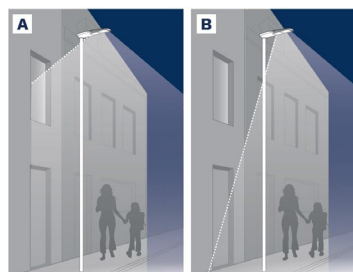
LensoFlex®2

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. 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.

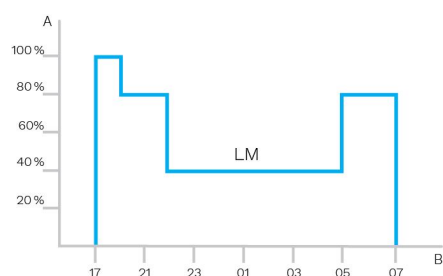


A. Without Back Light control | B. With Back Light control



## 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

The Schröder Bluetooth solution consists of 3 main components:

- A Bluetooth dongle plugged into the modular driver of the luminaire (BLE transceiver)
- A Bluetooth antenna fitted on the luminaire
- A smartphone application called Sirius BLE



## Easy to use

The Schröder Bluetooth solution is ideal for the on-site configuration of individual outdoor luminaires using Bluetooth. From the ground, the user is able to switch the luminaire on or off, adapt the dimming curve, read diagnostic data and much more. A user-friendly application called Sirius BLE provides an easy and secure access to the control and configuration functions.

Whether you are managing a lighting network in an urban or a residential area, this solution will make it easy to control your outdoor luminaires while simply standing by the pole.

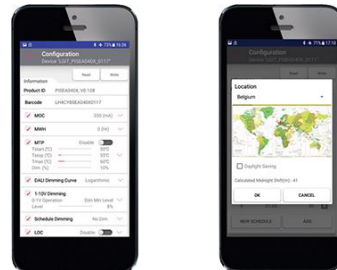
## Quick and easy pairing

Get the Sirius App from Schröder. Go to the menu. Press the "SCAN DEVICE (START)" button, to search for the surrounding BLE modules. They will be displayed with a bar graphic (signal intensity) to indicate the closest and the most distant one you can reach. Click on the device you want to connect to and enter your personal access key to control the luminaire.



## Defining the settings

Once you are connected to a luminaire, you can set various parameters such as the maximum output current, minimum dimming level and custom dimming profile.



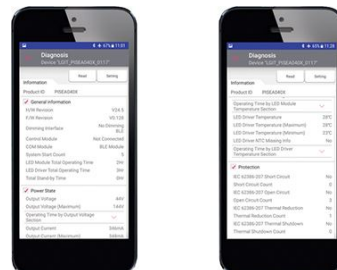
## Manual dimming control

The App enables you to do a manual override to adapt the dimming levels instantly. Simply tap on the "Dimming" button in the main menu and adjust the dimming using the wheel and button. Predefined dimming levels can be applied immediately. The corresponding value is displayed on the wheel. This enables you to test the ON / OFF and dimming features of the luminaire paired to the smartphone.



## On-site diagnostic

When a luminaire is paired, you can access various diagnostic information: total number of power up events, operation time of LED module and driver, total energy consumption of LED driver... etc. You can also track operating events (short circuits, thermal shutdowns...). The diagnostic values may be the current state or values accumulated to date.



## GENERAL INFORMATION

Recommended installation height	4m to 10m   13' to 33'
Driver included	Yes
CE Mark	Yes
ENEC 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 08
Vibration test	Compliant with modified IEC 68-2-6 (0.5G)
Access for maintenance	Toolless 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)	Bluetooth, 1-10V, DALI
Control options	AmpDim, Bi-power, Custom dimming profile, Remote management
Associated control system(s)	Owlet Nightshift

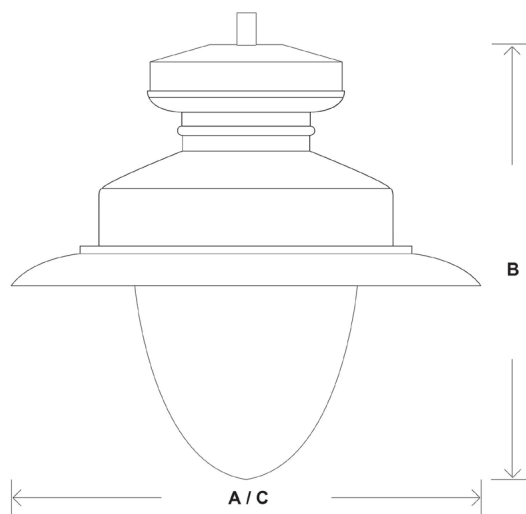
## OPTICAL INFORMATION

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.

## 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" gas female Catenary





			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
Albany MIDI LED	16	200	1200	1500	1200	1500	1000	1200	1000	1300	11	136	
	16	300	1600	2100	1600	2100	1400	1700	1500	1800	15.8	139	
	16	400	2100	2600	2100	2600	1700	2200	1800	2300	20.8	130	
	16	500	2400	3000	2400	3000	2000	2600	2200	2700	25.9	124	
	16	600	2700	3400	2700	3400	2300	2900	2500	3100	31.1	116	
	16	700	3000	3800	3000	3800	2500	3200	2700	3400	36.4	110	
	16	850	3300	4200	3300	4200	2800	3500	3000	3700	44.5	99	
	16	900	3400	4300	3400	4300	2900	3600	3100	3800	47	96	
	16	1000	3500	4400	3500	4400	3000	3700	3200	4000	52	88	
	24	200	1800	2200	1800	2200	1500	1900	1600	2000	15.4	149	
	24	300	2500	3100	2500	3100	2100	2600	2200	2800	22.5	147	
	24	400	3100	3900	3100	3900	2600	3300	2800	3500	29.9	137	
	24	590	4100	5100	4100	5100	3500	4300	3700	4600	44.5	121	
	24	700	4500	5700	4500	5700	3800	4800	4100	5100	53.5	112	
	24	800	4900	6100	4900	6100	4100	5200	4400	5500	61.5	104	
	24	900	5100	6400	5100	6400	4300	5400	4600	5800	69.5	96	
	24	1000	5300	6700	5300	6700	4500	5600	4800	6000	78	90	

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





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Albany MIDI LED	32	200	2400	3000	2400	3000	2000	2500	2100	2700	20	155	
	32	300	3300	4200	3300	4200	2800	3500	3000	3700	29.6	149	
	32	450	4500	5700	4500	5700	3800	4800	4100	5100	45.5	130	
	32	500	4900	6100	4900	6100	4100	5200	4400	5500	50	128	
	32	600	5500	6900	5500	6900	4700	5900	5000	6200	60	122	
	32	700	6100	7600	6100	7600	5100	6400	5400	6800	70	114	
	32	800	6500	8200	6500	8200	5500	6900	5800	7300	80	106	
	32	900	6900	8600	6900	8600	5800	7300	6200	7700	89	101	
	32	1000	7100	8900	7100	8900	6000	7500	6400	8000	99	94	
	48	200	3600	4500	3600	4500	3100	3800	3200	4100	28.9	163	
	48	300	5000	6300	5000	6300	4200	5300	4500	5600	43	153	
	48	400	6300	7800	6300	7800	5300	6600	5600	7000	57.5	143	
	48	550	7900	9800	7900	9800	6600	8300	7100	8800	80	129	
	48	600	8300	10400	8300	10400	7000	8800	7500	9400	86	127	
	48	700	9100	11400	9100	11400	7700	9700	8200	10300	101	119	

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Albany MAXI LED	16	200	1200	1500	1200	1500	1000	1200	1100	1300	11	136	
	16	300	1700	2100	1700	2100	1400	1700	1500	1800	15.8	139	
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