

Eclairage public

L'installation prévue concernant l'éclairage public est composée de (Plan ci-dessous)

De deux types de luminaires

- Type Albany sur façades seront installés à 6m.
- Type Albany sur poteau (sur la berme centrale) à une hauteur de feu de 4.7m.

Pour la puissance installée, on compte 34 luminaires LED de 50W (puissance forfaitaire de 55W).

17 luminaires sur la berme centrale, et 17 en façade.

Ce qui fait une puissance totale de 1870W.

Berme centrale

La berme centrale piétonne de 7,8 mètres de largeur sera continue sur tout le boulevard. Elle coupera le carrefour avec la rue Gravelines pour sécuriser la zone et réduire le trafic de transit inter-quartier. Elle sera également une promenade plantée liant le parc Josaphat au Square Ambiorix. Des zones de séjours (bancs + pelouse en talus) et des jeux pour enfants y seront installer pour répondre à la forte demandes d'équipements sportif/ludique dans une zone pourvue de nombreuse écoles crèches et structures médicales.

Cette promenade plantée sera composée de deux bacs de plantation en pierre bleue ciselée de 0,45 mètre de hauteur et de 2,4 mètres de largeur de chaque cotés et d'une allée centrales en béton de 3 mètres de large.

Dans les bacs de plantations seront plantés des plantes basses ne dépassant pas une hauteur de 1.40 mètre. Les espèces choisis sont :

Abelia grandiflora, Aesculus parviflora, Berberis julianae, Callicarpa bodinieri Profusion, Caryopteris Kew Blue, Cornus sanguinea Winter Beauty, Cornus alba, Sibirica, Clethra alnifolia Ruby Spice, Cytisus praecox Allgold, Euonymus alatus, Forsythia intermedia Lynwood, Gaura lindheimeri, Hedera helix, Arborescens, Hibiscus syriacus, Kolkwitzia amabilis Pink Cloud, Miscanthus, sinensis Strictus, Perovskia Little Spire, Philadelphus Virginal, Phlomis russeliana, Rhododendron Christopher Wren, Ribes sanguineum Atorubens Select, Rosa Shorttrack, Sambucus nigra Black Beauty, Schizachyrium scoparium 'Blue Heaven', Spiraea betulifolia Tor, Spraea japonica Anthony Waterer, Syringa patula Miss Kim, Viburnum opulus compactum
Weigela Red Prince

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 options 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 pleased 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	



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 Lensolux®2 photometric engines, Albany LED can be fitted with 18, 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 14" 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 fixtures.



Albany LED is available with a wide range of Lensolux®2 led fixtures.



Easy access to LED engine and control gear.

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)



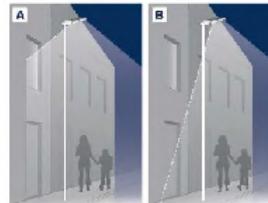
LensoFlex^{®2}

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.

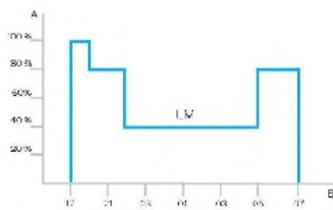


A. Without Back Light control B. With Back Light control



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 (B1 - transmitter)
- 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 informs (on total number of power-up events, open 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
ENFC certified	Yes
RoHS compliant	Yes
Testing standard	EN 79-001 (all measurements in ISO17025 accredited laboratory)

HOUSING AND FINISH

Housing	Aluminium
Opic	PMMA
Protector	Polycarbonate
Housing finish	Polyester powder coating
Standard colour(s)	AK70 grey 900 sanded
Lightness 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 AK70 colour upon request*

OPERATING CONDITIONS

Operating temperature range (I _b)	-30 °C up to 150 °C / -22 °F up to 192 °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 LED, Class II LED
Nominal voltage	220-240V ~ 50-60Hz
Power factor (at full load)	0.9
Surge protection options (kV)	10
Electromagnetic compatibility (EMC)	EN 61326 / EN 61000-3-2 / EN 61000-4-2 / EN 61547
Control protocol(s)	Bluetooth, 1-10V, DALI
Control options	Amplitude, 31 power, Custom dimming profile, Remote management
Associated control system(s)	Orwel Nightlight

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%

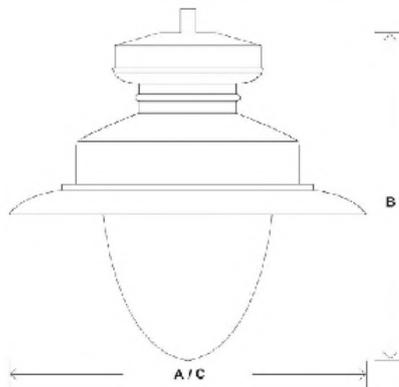
- ULOR may be different according to the configuration. Please consult us.

Albany LED | CHARACTERISTICS

Schröder

DIMENSIONS AND MOUNTING

4xRxC (mm inch)	Albany MIDI LED - 800x670x590 28.2x27.4x23.2 Albany MAXI LED - 700x650x700 27.6x25.6x27.6
weight (kg lbs)	Albany MIDI LED - 8 17.8 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 - Ø78mm Post-top slip-over - Ø89mm Post-top slip-over - Ø101mm Suspended 1" gas male Suspended 1" gas female Catenary





	Number of LEDs	Current (mA)	Luminance output flux (lm) Neutral White 740		Luminance output flux (lm) Warm White 730		Luminance output flux (lm) Warm White 650		Luminance output flux (lm) Warm White 727		Power consumption (W)	Luminance efficacy (lm/W)	Photo relay
			Min	Max	Min	Max	Min	Max	Min	Max			
Albany V12 12W	10	300	1500	1500	1200	1500	1000	1200	1000	1200	7	105	
	18	300	1800	2100	1800	2100	1400	1700	1500	1800	16.8	136	
	18	400	2100	2800	2100	2800	1700	2300	1800	2300	20.8	110	
	18	500	2400	3000	2400	3000	2000	2600	2200	2700	23.8	124	
	18	600	2700	3400	2700	3400	2200	2900	2400	3100	27.1	116	
	18	700	3000	3800	3000	3800	2500	3200	2700	3400	35.4	110	
	18	850	3300	4200	3300	4200	2800	3600	3000	3700	44.5	95	
	18	900	3400	4300	3400	4300	2800	3600	3100	3800	47	98	
	18	1000	3500	4400	3500	4400	3000	3700	3200	4000	50	85	
	24	100	1800	2200	1800	2200	1500	1800	1500	2000	15.1	110	
	24	100	2500	3100	2500	3100	2100	2600	2200	2800	22.5	117	
	24	400	3100	3900	3100	3900	2600	3300	2800	3500	29.9	127	
	24	550	4100	5100	4100	5100	3500	4300	3700	4500	44.5	121	
	24	700	4500	5700	4500	5700	3800	4800	4100	5100	53.5	119	
	24	800	4900	6100	4900	6100	4100	5000	4400	5500	61.5	104	
	24	1000	5700	6900	5700	6900	4500	5400	4800	6000	69.5	95	
24	1000	5900	6700	5900	6700	4500	5300	4800	6000	78	90		

Tolerance on LED flux is -7% and on total luminance power +5%



	Number of LEDs	Current (mA)	Luminare output flux (lm) Neutral White 740		Luminare output flux (lm) Warm White 730		Luminare output flux (lm) Warm White 830		Luminare output flux (lm) Warm White 727		Power consumption (W)	Luminare efficacy (lm/W)	Photo relay
			Min	Max	Min	Max	Min	Max	Min	Max			
Albany LED 117	32	330	2400	3000	2400	3000	2000	2600	2400	2700	20	155	
	32	330	3200	4200	3200	4200	2800	3600	3000	3400	23.6	149	
	32	450	4500	5700	4500	5700	3800	4800	4100	5100	45.5	110	
	32	500	4200	6100	4800	6100	4100	5900	4400	6000	50	128	
	32	500	6500	6900	6600	6900	4400	5900	6000	6200	80	122	
	32	700	8100	7500	8100	7800	5100	6400	6400	6500	79	112	
	32	500	6500	8200	6800	8900	5500	6900	5000	7300	80	105	
	32	800	6800	8600	6800	8600	3800	7300	6200	7200	88	101	
	32	1000	700	8900	7100	8900	6000	7500	6400	6900	98	94	
	48	500	3600	4500	3600	4500	3100	3800	3200	4100	25.8	153	
	48	500	5000	6700	5000	6900	4200	5300	4500	5500	43	151	
	48	400	6100	7500	6300	7900	5200	6600	6600	7000	57.6	141	
	48	550	7800	8900	6900	9000	3000	5300	4100	6500	50	129	
	48	500	8000	10400	6900	10400	7000	8600	7500	8400	86	127	
	48	700	8700	11400	8100	11400	7000	9700	8200	10100	107	119	

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



	Number of LEDs	Current (mA)	Luminare output flux (lm) Neutral White 740		Luminare output flux (lm) Warm White 730		Luminare output flux (lm) Warm White 850		Luminare output flux (lm) Warm White 727		Power consumption (W)	Luminare efficacy (lm/W)	Photo relay
			Min	Max	Min	Max	Min	Max	Min	Max			
Albany Max 17W	16	200	1200	1600	1200	1500	1000	1200	1100	1300	11	136	
	16	300	1700	2100	1700	2100	1400	1700	1300	1600	16.8	188	
	18	400	2100	2800	2100	2800	1800	2200	1600	2100	20.8	190	
	10	500	2500	3000	2500	3000	2100	2600	2200	2700	23.8	121	
	18	800	2800	3400	2800	3400	2600	3200	2600	3300	31.1	118	
	10	700	3100	3800	3100	3800	2600	3200	2800	3400	35.7	110	
	16	880	3100	4200	3400	4200	2900	3600	3000	3700	41.9	99	
	10	900	3500	4000	3500	4000	2900	3600	3100	3800	4.7	98	
	16	1000	3600	4100	3600	4100	3000	3700	3200	4000	52	86	
	24	200	1800	2200	1800	2200	1600	1900	1600	2000	15.4	143	
	24	300	2500	3100	2500	3100	2100	2600	2300	2900	22.8	117	
	24	400	2900	3500	3200	3800	2700	3300	2800	3500	26.6	137	
	24	500	3500	4200	3800	4700	3300	4000	3500	4300	37.6	130	
	24	590	4200	5100	4200	5100	3500	4300	3800	4800	44.0	121	
	24	700	4600	5700	4800	5700	3800	4800	4200	5000	50.6	112	
	24	800	5000	6100	5000	6100	4200	5000	4500	5500	61.8	104	
24	900	6200	6900	6200	6900	4400	5400	4700	6300	69.0	96		

Tolerance on LED flux is ± 5% and on total luminaire down to ± 5%



	Number of LEDs	Current (mA)	Luminance output flux (lm) Neutral White 740		Luminance output flux (lm) Warm White 730		Luminance output flux (lm) Warm White 850		Luminance output flux (lm) Warm White 727		Power consumption (W)	Luminance efficacy (lm/W)	Photometry
			Min	Max	Min	Max	Min	Max	Min	Max			
Albany V44 LED	24	1030	6400	6700	6400	6700	4600	5800	4900	6000	78	90	
	32	230	2400	2900	2400	3000	2100	2600	2200	2700	70	100	
	32	330	3400	4200	3400	4300	2600	3600	3000	3700	28.6	149	
	32	150	1000	3700	1600	5700	3800	1600	1200	5000	15.5	100	
	32	600	5900	6100	6000	6100	4200	5000	4500	6000	50	128	
	32	600	5700	6900	5700	6800	4800	5800	5100	6100	60	152	
	32	700	6200	7600	6200	7600	4300	6700	5600	6800	70	114	
	32	600	6700	8200	6700	8200	4600	5800	6000	7300	50	103	
	32	900	7000	8600	7000	8600	5900	7300	6300	7700	69	101	
	32	1000	7200	8900	7200	8900	6100	7500	6500	8000	69	94	
	48	600	3700	4500	3700	4500	3100	3800	3300	4100	25.6	150	
	48	300	9000	9300	9000	9300	4800	5300	4600	6000	48	150	
	48	400	6400	7500	6400	7600	5400	6600	5700	7000	57.5	141	
	48	590	8000	9900	8000	9900	6900	8300	7200	8900	60	120	
	48	500	6500	10400	6500	10400	12000	5800	7600	8400	66	127	
	48	700	6700	11600	6700	11600	7900	9700	8400	10300	101	119	

Tolerance on LED flux is ± 7% and on total luminance power ± 5.5%

