



Smart lighting luminaire

Anne

Product information



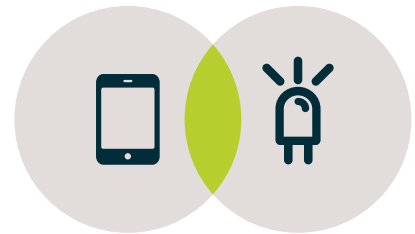
Sustainer 

Sustainer

An innovative new lighting company

Sustainer is an innovative Dutch company that develops, manufactures and supplies intelligent public lighting and smart-city solutions to local authorities, businesses and other clients across Europe. Our company combines the production expertise of a former Philips luminaire factory, with intelligent public lighting systems from Dazzletek.

Sustainer LED luminaires are designed with the future in mind. We understand what you need to create a smart city, and we offer solutions that will last for years. Treating each lamppost as a central hub, and the area around it as the defining criteria, we can help you to create a sustainable, safe and healthy society.



A new generation of LED luminaires

Sustainer is introducing a new generation of advanced LED lighting and luminaires. Developed from our vision of the future, their modular concept and open architecture make them ready now for whatever developments tomorrow will bring.

The Anne luminaire

Anne by Sustainer is an all-round, future-proof luminaire. Choosing this luminaire gives you all the current smart-lighting possibilities – and ensures you are prepared for future developments and opportunities. Via an API, this energy-saving LED luminaire can be connected online to any back-office or other system for remote control and monitoring. The luminaire comes equipped with various sensors that make installation simpler, reduce maintenance costs and extend service life. And thanks to a unique cassette system, it's easy to extend Anne's capabilities in the future, too. Just add new sensors to the cassette and turn Anne into an advanced, smart-city hub.



Ready for the future, today

Standard functionality



GPS



AMB Light



Mesh RF



Temp IN



Power Meter



Accelerometer

Optional functionality *



Humidity



Camera



Counter



Sound



Gas



Movement



Temp OUT



CO₂



Wifi



Ethernet



2G/3G/4G



NB-IoT



Fiber

**Optional functionalities are custom developed with our clients*

Back-office connectivity

The Anne luminaire is exceptionally easy to control and manage via any back-office system for public lighting. Use an API to hook it up to your platform for immediate and optimum control.

Anne features

- Energy-saving LED technology reduces CO₂ emissions.
- Dimmable – including independent dimming of each LED unit (4 in total).
- Constant light output (CLO) throughout full life of the LEDs (100,000 hours).
- Cassette system supports addition of further sensors in the future.

Anne management and maintenance

Thanks to its open architecture, the Anne luminaire can be connected to all back-office systems, using an API. This in turn supports remote monitoring and control that lets you:

- Configure each luminaire remotely after installation.
- Change configurations remotely.
- Map and monitor your installed base using GPS positioning.
- Monitor the performance of each luminaire remotely.
- Measure the actual energy use of each luminaire.

Applications

- Urban areas: city centres, squares, parks and car parks.
- Roads: through roads, roundabouts and cycle paths.
- Residential areas: streets, shopping centres, cycle paths, footpaths, playgrounds and car parks.
- Large sites: industrial parks, ports, airports and stations.

Quality marks

The Anne luminaire is CE, ENEC and RoHS certified.



Street 1



stan 1

Street 2



stan 2

Area



stan 3

Street 3



stan 4

Bike path



stan 5

Technical data Sustainer Anne

Lumen/power with standard sensoric and RF-modules ¹

Optics	Driver	Power range	Typical luminaire output flux (lm) - Excl. CLO		
			3000K	4000K	5700K
STAN1	25W	7 - 23 W	800 - 2,500	800 - 2,500	800 - 2,600
	60W	24 - 47 W	2,600 - 5,200	2,600 - 5,200	2,800 - 5,400
STAN2	25W	7 - 16 W	800 - 1,800	800 - 1,800	800 - 1,800
	60W	17 - 33 W	1,900 - 3,600	1,900 - 3,600	2,000 - 3,800
STAN3	25W	7 - 23 W	800 - 2,500	800 - 2,500	800 - 2,600
	60W	24 - 47 W	2,600 - 5,200	2,600 - 5,200	2,800 - 5,400
STAN4	25W	7 - 16 W	800 - 1,800	800 - 1,800	800 - 1,800
	60W	17 - 33 W	1,900 - 3,600	1,900 - 3,600	2,000 - 3,800
STAN5	25W	7 - 12 W	800 - 1,300	800 - 1,300	800 - 1,400
	60W	13 - 25 W	1,400 - 2,800	1,400 - 2,800	1,500 - 2,900

Parameter	Typical	Min	Max
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Maintenance

LED	L80 F10 up to 100,000 hours at 25°C		
Driver	up to 100,000 hours at 70°C		

Lighting Classes Optic Acc. EN 13201-2:2016

Conflict areas	C0 – C5
Pedestrians/pedal cyclists	P1 – P7 HS1 – HS4 SC1 – SC9 EV1 – EV6

Colour Rendering Index

>70

Mains Voltage

AC	90 V AC	240 V AC
Net Frequency	47 Hz.	63 Hz.

Surge Protection

10 kV

LED Driver

4 Segments independent dimmable	30%	100%
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Wireless Communication Mesh STD 869.525MHz:

Carrier frequency	869.525 MHz	-30ppm	+30ppm
Output power	16dBm		
Sensitivity	-105dBm		
Baudrate	130kb/sec.		

Material

Housing	Die-cast aluminum LM6-quality non corrosive
Bowl	PC
Lens	PC

Parameter	Typical	Min	Max
Environmental			
Operating temperature		-20°C	+35°C
IP rating	IP66		
IK rating Housing	IK10		
IK rating Glass	IK08		
Colour			
Standard	Noir : RAL 2100		
Optional	RAL colours		
Installation			
Top mounting diameter	60 or 76 mm		
Installation			
Height		4 m	6 m
Cable Entry			
Cable Gland	M20		
Cable Clamping Range		7 mm	12 mm
Dimensions			
Length	590 mm		
Width	590 mm		
Height	200 mm		
Weight	11 kg		
Sensor type			
Power meter			
Resolution	0.5W		
Accuracy 1..5W	0.5W		
Accuracy 5..40W	±5.0%		
Temperature (for inner temperature)			
Measurement range		-25°C	100°C
Accuracy	±1.0°C		
Accelerometer (movement)			
Axis	X, Y, Z		
Measurement range	±2.0g		
Threshold	Configurable		
Ambient Light			
Measurement range		1 lux	100k lux
GPS receiver			
Signals	GPS, Beidou		
Update Rate	QZSS, SBAS	2.5 sec	configurable
Position Accuracy	1 m		

1. Communicated values are subject to tolerances in technology. For example, the initial flux and power consumption of the luminaire are indicative values and valid for 25°C ambient temperature. The real flux output depends on environmental conditions (such as temperature) and may vary with specific configurations. For more information please check www.sustainer.com

Specifications may change and should be treated as an indication only. You are welcome to contact us about your needs.

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