Soluxio NxT

Capture the sun.

The Soluxio NxT solar bollard offers a wide range of lighting options for private and public terrains. This solar-powered outdoor lamp operates completely wirelessly, eliminating the need to dig across property to install an electrical grid. Installation is therefore a matter of plug and play.

The Soluxio NxT solar bollard features cutting-edge technology. The curved vertically integrated solar panel is wind-resistant and self-cleaning, as dirt and dust cannot stick on the design. Solar energy generated during the day is stored in high-quality lithium batteries, which are long-lasting and require minimum maintenance.

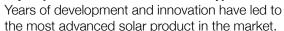Soluxio NxT is built together with world-leading companies, such as Valmont Structures, Nedal (Purso Group Oy) and Schott AG. The Soluxio technology has proven its outstanding quality at numerous locations worldwide, from the U.S.A. to the Middle East and from Mauritius to the Netherlands.

The Soluxio NxT automatically adapts to sunset & sunrise. The highly-efficient LED-luminaire provides beautiful lighting at night. The unique diffuse glass light module spreads the LED light in all directions. The modular design allows for customization, with a wide variety of exclusive finishes and colours to choose from. Designed to last and with recyclability in mind, the NxT solar outdoor lamp is the sustainable outdoor lighting choice.

Soluxio NxT is available now. For more information, please visit **www.nxt.lighting**.

Light-years ahead in solar technology
Years of development and innovation have led to the most advanced solar product in the market.

Year-round performance
Proven to be reliable during 365 days a year at any location.

Fast and easy installation
Plug-and-play design.

Over-the-air updates & connectivity
Convenient access to latest updates and innovations.

Eco-friendly and carbon neutral
100% solar powered, no cabling, no invasive trenching.

Quick return on investment
No cabling + no electricity bill + fast installation + low maintenance costs = quick return on investment.

Low total cost of ownership
High-quality components and remote monitoring result in low maintenance.

Technical specifications

Overview	
Height	± 1.2 meter / 4 feet (higher upon request*)
Column material	Aluminum
Foundation	In-ground (flanged base optional*)
Colour	Black / silver (other colours upon request*)
Luminaire power	max. 12 W
Operating temperature	-20 to 60 ℃

FlexSol Solar Module	
Solar technology	Monocrystalline silicon solar cells
Cell efficiency	> 23%
Total power	> 40 Wp
Number of Maximum Power Point Trackers	2
Front sheet material	Borosilicate glass
Solar module backsheet colour	White (optional black backsheet*)
Dimensions	Ø 200 x 400 mm
Weight	~ 3kg

FlexSol Battery	
Battery technology	Lithium (NMC)
Battery capacity	448 Wh
Service life	~10 years

FlexSol Control Electronics	
On-board mobile communication	GSM	LTE-M
Encryption	TLS 1.2
Global Navigation Satellite System (GNSS)	GPS, BeiDou, Galileo, GLONASS, QZSS
Over-the-Cable updateable	Yes (USB-programming device optional)
Over-the-Air updateable	Yes
Remote monitoring and configuring	Optional
Time and date	Astronomical clock

Lighting	
Luminaire type	LED
LED power	Max. 12W
Colour	4000K (other colours on request*)
Lighting scheme	Automatic adaption to sunset and sunrise
Dimming scheme	Seasonal Dynamic Dimming

*For all options, an MOQ applies.