

NxT:

SOLAR POWERED ROAD WARNING LIGHT

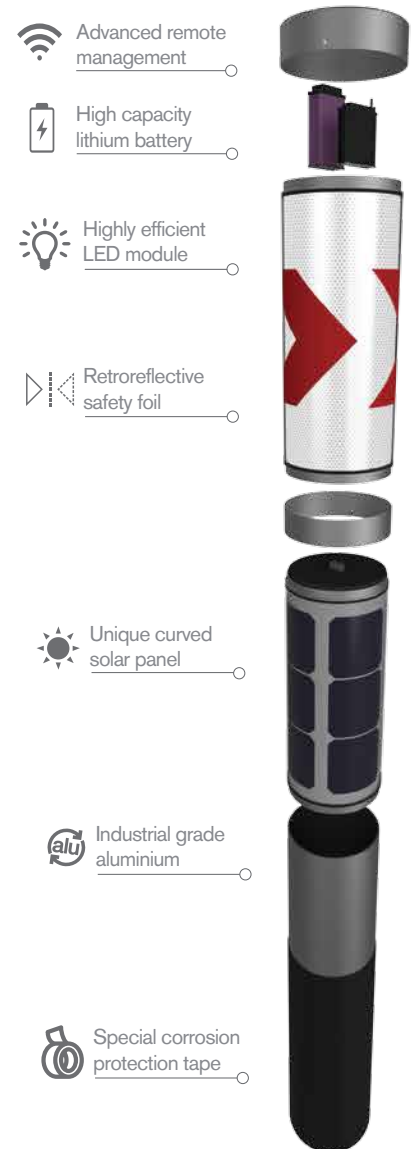


NxT: MILES AHEAD IN SOLAR POWERED SAFETY

The NxT is the latest generation of solar powered road safety lighting. Offering reliable, wireless and fully autonomous off-grid operation, the NxT lowers installation and exploitation costs and increases road safety. The combination of high quality retro-reflection with dynamic LED lighting makes the NxT ideal for roads with dangerous curves or other unexpected features. No matter how remote the location, the NxT will safely guide drivers through the night.



Technical specifications	
Height	±1,5m above ground level, higher on request
Diameter	200mm
Light source	4W LED
Solar cell technology	Mono-crystalline silicon, >20% efficiency
Number of solar cells	12 cells
Nominal output power	36Wp
Battery technology	Lithium
Battery capacity	20-70Ah (up to 125 hours of operation at full intensity)
Wireless communication	Sigfox or GSM
Sunset & sunrise tracking	GPS
Pole material	EN AW 6060 T66 aluminium
Pole finish	Anodised or powder coated
Solar & light module exterior	Glass



Cost effective, reliable & smart

The NxT receives its energy from the sun and stores it in an integrated battery. No grid connection is needed. Monitoring and programming of the light can be done remotely through a wireless (GSM or RF) interface. No cabling means lower installation and exploitation costs. The NxT uses state of the art solar cells with the highest efficiency available. The cylindrical solar panels have proven their durability in the Soluxio solar street light and allow for orientation-independent placement. The vertical photovoltaic module makes that dirt or snow will not

adhere to the surface. High capacity lithium batteries form a buffer for longer periods of bad weather, so that the NxT will always perform as desired. Advanced on-board electronics give the NxT the intelligence to continuously optimise its lighting scheme. It adapts to local weather conditions and seasons automatically. Multiple NxT's can work together as a single lighting system to create special guiding effects.

www.nxt.lighting

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