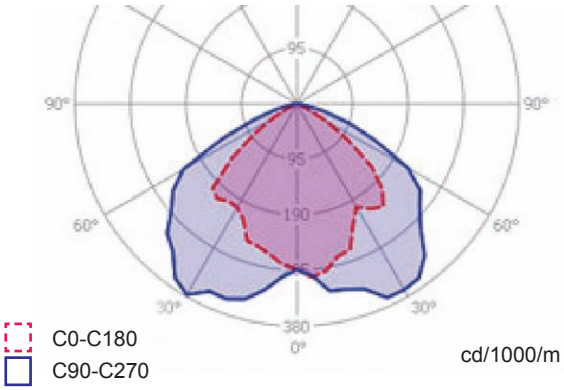
Naps Solar Led Lighting solutions

Northern Light™ Lighting System

- **Attractive, complete solar lighting solution**
- **High efficiency LED light emitter**
- **Expected operational life of LED and electronics typically over 30 years**
- **Long life battery**
- **Includes solar charge and lighting controller**
- **Alternative light distribution patterns available**



Naps Solar LED street and area lighting systems are ideally suited to improving visibility and safety in public or remote areas. They can be used for lighting village centers, airports, mines, industrial zones, risk-hazardous areas such as bridges or crossroads, parking places, parks, or other busy areas. Naps Northern Light™ uses latest technology, designed by lighting and electronics specialists for exceptionally reliable and energy-efficient stand-alone outdoor lighting.

The complete system consists of an efficient LED light emitter with control electronics, a high-quality polycrystalline solar module with mounting structure, a maintenance-free long life battery and an attractively designed industry-grade metal enclosure for the battery and controller. Light poles and required accessories are also available.

Reliability and Low Cost-of-Ownership

Depending on the ambient temperature, the lifetime of the light source can be in excess of 120.000h, i.e. typically over 30 years.

System batteries are typically long life gel VRLA type, totally maintenance-free and ideally suited for hot environmental conditions. Other types are used for cold climate areas.

Naps solar modules carry a 25 year limited power warranty.

Specifications

LED	
Useful quantity of light Color temperature Operating temperature	850 lm 4200 K -40 … + 50 °C (-40...+120 F)
Solar module	
Type Power STC	NAPS NP51 to NP130 51 to 130Wp
Battery, typical	Long life sealed gel lead-acid, 12V 50Ah
Charge/lighting controller	Lights on all night, or specified time after sunset and/or before sunrise. Programmable during assembly phase based on customer requirements.

Light distribution curve

Light distribution curve with a standard lens designed for area lighting purposes providing smooth and wide illumination.

A variety of lens alternatives is available for different purposes. Based on client needs, Naps can also develop new optical solutions to optimally match local requirements onsite.

Made in EU

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NAPS
Power of Light