



**NORDLAND
LIGHTING®**



NST - (40W) Solar Street Light

OVERVIEW

The NST-Solar LED Street Light is an All-In-One Solar Lighting System for Off-Grid and Urban Applications. This fully integrated, solar-powered street light is designed to deliver reliable illumination in a wide range of outdoor environments—especially in off-grid and remote locations. With its compact All-In-One design, this smart luminaire combines a high-efficiency solar panel, long-life battery, LED module, and motion sensor into a

single, streamlined unit for easy installation and minimal maintenance. Built for durability, the NST-Solar features a robust, weatherproof housing that provides full protection against dust and water, making it ideal for harsh outdoor conditions across Africa and beyond. To optimize energy usage, the luminaire includes an intelligent motion sensor that automatically adjusts light output: it delivers 100%

brightness when motion is detected and dims to 50% when no activity is present. This adaptive lighting strategy conserves battery life without compromising safety or visibility. Offering sustainable, cost-effective lighting with zero grid dependency, the NST-Solar LED is a versatile solution for streets, pathways, rural roads, and public spaces—bringing dependable illumination wherever it's needed.

APPLICATIONS



ROADS



OUTDOOR
AREAS



SPORTS
FACILITIES



INDUSTRIAL
ENVIRONMENTS

LED STREET • OUTDOOR • SOLAR

PERFORMANCE

Model Name	NST - Solar Street Light
Wattages	40 Watt
System Lumens	4080lm
System efficacy lm/W	102lm/W

LED AND OPTICS

LED Type	LED 3030
Expected lifetime	>100 000
L70 rating	>100 000
Colour Rendering Index RA	>70
Colour Temperature	6000K
Beam Angle	70°-140° Degree (Batwing)

ELECTRICAL AND OPERATING

Driver	LED Constant Current
Operating temperature	-20°C to +60°C
Input voltage	192WH (3.2V 60AH) Lithium Iron Phosphate Battery/Solar Powered

PRODUCT MATERIALS AND INSTALLATION

Housing	Aluminium Alloy
Lens	Polycarbonate Lens
Finish	Powder Coated White
Ingress Protection	IP65
IK Rating	IK08

CERTIFICATIONS. STANDARDS

Non - EX
Complies to SANS 60598-1

DIMENSIONS AND PACKAGING

Dimensions	840 x 370 x 50 mm
Weight Kg (Unit / packaged)	8.5 Kg / 9.8 Kg

MOUNTING & INSTALLATION

Mounting	Powder coated Aluminium Bracket
Installation	Pole Mount & Wall Mount

Warranty:

Warranty 5 years	5 years
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