

SOLARPOLE

Integrated LED solar lighting solution



Post top versions



Streetlight version



For project details



LOCALLY
manufactured

Up to
IP 66

IK 10

Key advantages

- Designed and manufactured in South Africa
- Designed to operate reliably at a high light output over an 11-hour period
- It offers enough autonomy to maintain reliable night operation for up to two consecutive overcast or rainy days
- Cylindrical integrated solar components
- Fits over existing Ø76mm poles
- Theft and vandal resistant
- Specifically engineered for high aesthetics and wind resistance
- Long life lithium (LifePO4) energy storage technology, offering up to 8 years battery lifetime
- Circular economy 3-star rating
- Warranty up to 5 years (*)

(*) Terms and conditions apply

Characteristics

GENERAL INFORMATION

Autonomy days	2-3 days		
System operating voltage	12V DC		
Aerodynamic resistance (CxS)	Up to 0.59m ²		
Material	Brackets and fixation clamps: Hot-dipped galvanised mild steel	Solar module fixation: Cast aluminium	Solar module: Extruded aluminium / Tempered glass
Solar Module	Technology / Rated lifetime: Monocrystalline module - 25 years / 80%		Peak rated wattage: 200W
Energy storage	Technology / Expected lifetime: Lithium: 5-8 years		
Charge controller	Charge algorithm: Maximum Power Point Tracking (MPPT)	Rated lifetime: 20 years	Integrated data logger: Yes (up to 30 days)



OFF-GRID
AREAS



CAR PARKS



SQUARES &
PEDESTRIAN
AREAS



URBAN &
RESIDENTIAL
STREETS



BIKE &
PEDESTRIAN
PATHS



SECURITY
LIGHTING



SERVICE
STATION

STREETLIGHT VERSION

Nominal flux (up to)	8,651lm
Nominal efficacy (up to)	188lm/W
Colour temperature	4000K (Neutral white 740) CRI ≥70
Lifetime of the LEDs @Tq 25°C	60,000h - L70B10
Operating temperature range (Ta) (up to)	-20°C up to +40°C

POST TOP VERSIONS

Nominal flux (up to)	5,132lm
Nominal efficacy (up to)	197lm/W
Colour temperature	4000K (Neutral white 740) 3000K (Warm white 730) 5700K (Cool white 757) CRI ≥70
Lifetime of the LEDs @Tq 25°C (up to)	60,000h - L70B10
Operating temperature range (Ta) (up to)	-20°C up to +40°C



Fisherman's Lane - Western Cape, South Africa

BEKA Schréder

Experts in lightability™

SABS
ISO 9001

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Designed and manufactured by BEKA Schréder (Pty) Ltd

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