

# SOLARPOLE

Integrated LED solar lighting solution



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

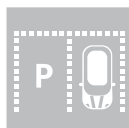
# Characteristics

## GENERAL INFORMATION

Autonomy days	2-3 days		
System operating voltage	12V DC		
Aerodynamic resistance (CxS)	Up to 0.59m <sup>2</sup>		
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



# BEKA Schröder

Experts in lightability™

**SABS**  
ISO 9001



[www.beka-schreder.co.za](http://www.beka-schreder.co.za)

Designed and manufactured by BEKA Schröder (Pty) Ltd



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