



BEKA SOLAR

LED solar lighting solution



Standard: Streetlight version



Optional: Median version



Optional: Post top version



For project details



LOCALLY
manufactured

Up to
IP 66

Up to
IK 10

**CIRCLE
LIGHT**



Key advantages

- Designed and manufactured in South Africa
- The solar panel can be rotated on both the horizontal and vertical axis to obtain the peak radiation available as offered in a specific geographical location
- The IP 66 box, in which electronic components and the energy source are housed, is situated in the shade behind the solar panel, preventing early degradation of components and extending of battery life
- Designed to operate daily with an output of 11 hours to incorporate appropriate dimming profiles according to your needs and application, with optional movement sensor where applicable
- It has sufficient autonomy to operate reliably at night for up to three consecutive overcast or rainy days
- Theft and vandal resistant
- Specifically engineered for all geographical locations in Africa
- 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	
Geographical location	Designed and optimised for various locations	
Aerodynamic resistance (CxS)	1.18m ² at 40° panel rake angle, including the side mounted energy storage enclosure	
Solar module technology / Rated lifetime	160W: Polycrystalline photovoltaic module 25 years / 80%	330W: Monocrystalline 120 cell module 25 years / 80%
Energy storage technology / Expected lifetime	Lithium: 5-7 years	
System operating voltage	12V DC	
Operating temperature range (Ta)	-10°C up to +40°C	

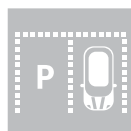
BEKA SOLAR	ZIYA-1	KAZELLE
Nominal flux (up to)	10,928lm	6,764lm
Nominal efficacy (up to)	184lm/W	186lm/W
Colour temperature	4000K (Neutral white 740) CRI ≥70	4000K (Neutral white 740) 3000K (Warm white 730) CRI ≥70
Lifetime of the LEDs @Tq 25°C	60,000h - L90B10	50,000h - L80B10



OFF-GRID AREAS



URBAN & RESIDENTIAL STREETS & ROADS



CAR PARKS



SQUARES & PEDESTRIAN AREAS



BIKE & PEDESTRIAN PATHS



SECURITY LIGHTING

BEKA Schröder

Experts in lightability™

SABS
ISO 9001

 **Safehouse**
The power to protect



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Designed and manufactured by BEKA Schröder (Pty) Ltd



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