

# SOL-ONE

## MAXI

Integrated solar luminaire



For project details



**LOCALLY**  
manufactured

IP 66

IK 08



CIRCLE  
LIGHT



# Key advantages

- **Designed and manufactured in South Africa**
- Flexible LED engine configurations to cover a wide range of road and highmast lighting applications
- Fixed spigot base plug-and-play design, eliminating installation errors
- Low glare
- Aesthetic visual appearance
- Designed to operate from sunset to sunrise using dimming profiles and movement sensors where applicable
- It has sufficient autonomy to operate reliably at night for up to two consecutive overcast or rainy days
- Specifically engineered for all geographical locations in Africa
- Hail- and corrosion-resistant solar module
- Circular economy 3-star rating
- Warranty up to 5 years (Terms and conditions apply)

## Characteristics

### GENERAL INFORMATION

Autonomy days	2 days
Geographical location	Designed and optimised for various locations
Aerodynamic resistance (CxS)	0.63m <sup>2</sup>
Solar module technology / Rated lifetime	Monocrystalline photovoltaic module: 25 years / 80%
Energy storage technology / Expected lifetime	Lithium: 5-8 years
System operating voltage	12V DC
Operating temperature range (Ta)	-10°C up to +40°C

### SOL-ONE MAXI

Nominal flux (up to)	18,424lm
Nominal efficacy (up to)	241lm/W
Colour temperature	4000K (Neutral white 740), 3000K (Warm white 730), 5700K (Cool white 757) CRI ≥70
Lifetime of the LEDs @Tq 25°C	100,000h - L95B10



OFF-GRID AREAS



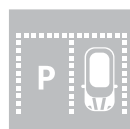
URBAN & RESIDENTIAL STREETS



BIKE & PEDESTRIAN PATHS



SQUARES & PEDESTRIAN AREAS



CAR PARKS



SHOPPING CENTRES



SECURITY LIGHTING



SPORT AREAS



HIGHMAST LIGHTING

# BEKA Schröder

Experts in lightability™

**SABS**  
ISO 9001

 **Safehouse**  
The power to protect



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

Designed and manufactured by BEKA Schröder (Pty) Ltd

 **LOCALLY**  
manufactured

2026-05

Copyright © BEKA Schröder (Pty) Ltd - Twenty One Industrial Estate - 10 Purlin Street North - Olifantsfontein (South Africa) • The information, descriptions and illustrations herein are of only an indicative nature. Due to advanced developments, we may be required to alter the characteristics of our products without notice. As these may present different characteristics according to the requirements of individual countries, we invite you to consult us.