

SABS1 S O 9 0 0 1 **SABS**1 S O 1 4 0 0 1

SOL-ONE

Integrated solar luminaire





Key advantages

- · Designed and manufactured in South Africa
- Flexible LED engine configurations to cover a wide range of 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
- Sufficient autonomy to cater for up to two continuous overcast or rainy days, to continue its reliable night operation
- 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)	0.19m ²	
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

Nominal flux (up to)	18,287lm	
Nominal efficacy (up to)	206lm/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 - L90B10	





















PEDESTRIAN

SHOPPING CENTRES

SECURITY SPORT AREAS LIGHTING

SERVICE STATIONS

Case Study: 250W HPS Comparison

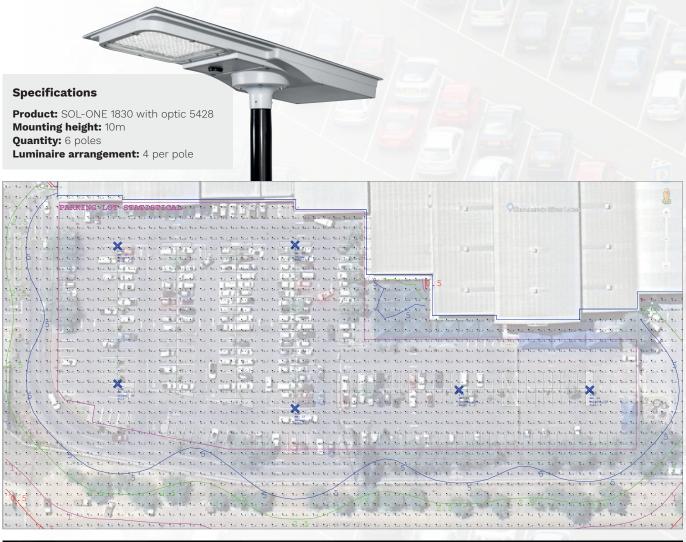


	Luminaire fitted with 250W High-Pressure Sodium Lamp	SOL-ONE 1830 Optic 5428
Mounting height: 8m		
Spacing between luminaires	40m	39m
Lighting level	1.02 cd/m²	0.9 cd/m²
Overall uniformity	71%	67%
Mounting height: 10m		
Spacing between luminaires	44m	45m
Lighting level	0.84 cd/m²	0.92 cd/m ²
Overall uniformity	71%	64%

Please note: Indicative only. Detail on lighting design comparison available on request.



Application option: Parking Area





Average lighting level achieved: 27.75 lux











www.beka-schreder.co.za

Designed and manufactured by BEKA Schréder (Pty) Ltd

