

SOLARFLOOD

ECO

Solar lighting solution



LOCALLY
manufactured

IP 65

CIRCLE LIGHT

Key advantages

- Designed and manufactured in South Africa
- Specifically engineered for various geographical locations and areas with challenging African environmental conditions, including extreme heat and dust
- It offers enough autonomy to maintain reliable night operation for up to two consecutive overcast or rainy days at an average 11-hour period
- Long life lithium (LifePO4) energy storage technology, offering up to 8 years battery lifetime
- Designed to withstand wind speeds of up to 144km/h and highly corrosion resistant
- Using latest photometric light distributions and highest efficient LED technology to provide maximum light levels and spacing between poles
- With our excellent selection of lenses, light is effectively distributed, making this solution ideal for applications that require performance in both street- and floodlighting
- Circular economy 3-star rating
- Warranty up to 5 years (Terms and conditions apply)

Characteristics

GENERAL INFORMATION

Autonomy days	2 days		
System operating voltage	12V DC		
Geographical location	Designed and optimised for various locations		
Aerodynamic resistance (CxS)	At 30° panel rake angle: 0.1134m ² (side) / 0.6603m ² (front)		
Material	Brackets and fixation clamps: Hot-dipped galvanised mild steel	Solar module fixation: Extruded aluminium	Solar module: Extruded aluminium / Tempered glass
Solar Module	Technology / Rated lifetime: Polycrystalline photovoltaic module - 25 years / 80%		Peak rated wattage: 160-180W
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)

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Nominal flux (up to)	11,850lm
Nominal efficacy (up to)	224lm/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
Operating temperature range (Ta)	-10°C up to +45°C



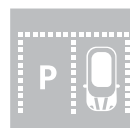
OFF-GRID AREAS



URBAN &
RESIDENTIAL
STREET



SPORT AREA



CAR PARKS



SQUARES &
PEDESTRIAN
AREAS



SECURITY
LIGHTING

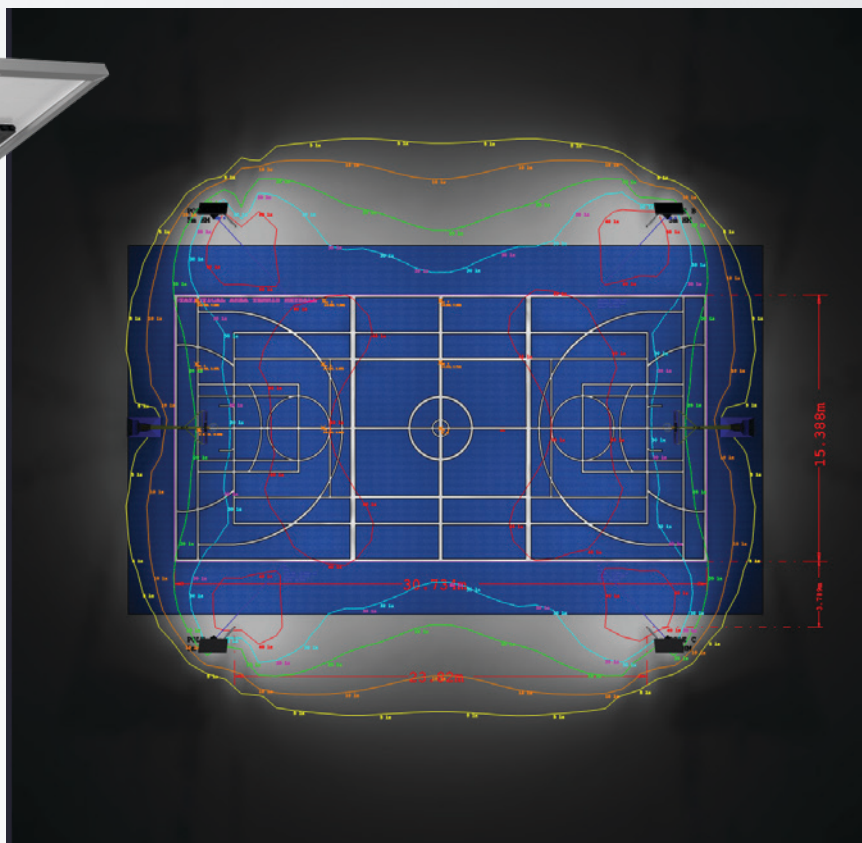
Application option: Tennis & Netball Court



Specifications

Pole height: 5m

Number of poles: 4



Average lighting level achieved: **35 lux**

BEKA Schröder

Experts in lightability™

SABS
ISO 9001



www.beka-schreder.co.za

Designed and manufactured by BEKA Schröder (Pty) Ltd



LOCALLY
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2025-02

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