BEKA Schréder
Experts in lightability™

SABS ISO 9001
SABS ISO 14001

Safehouse
The power to protect

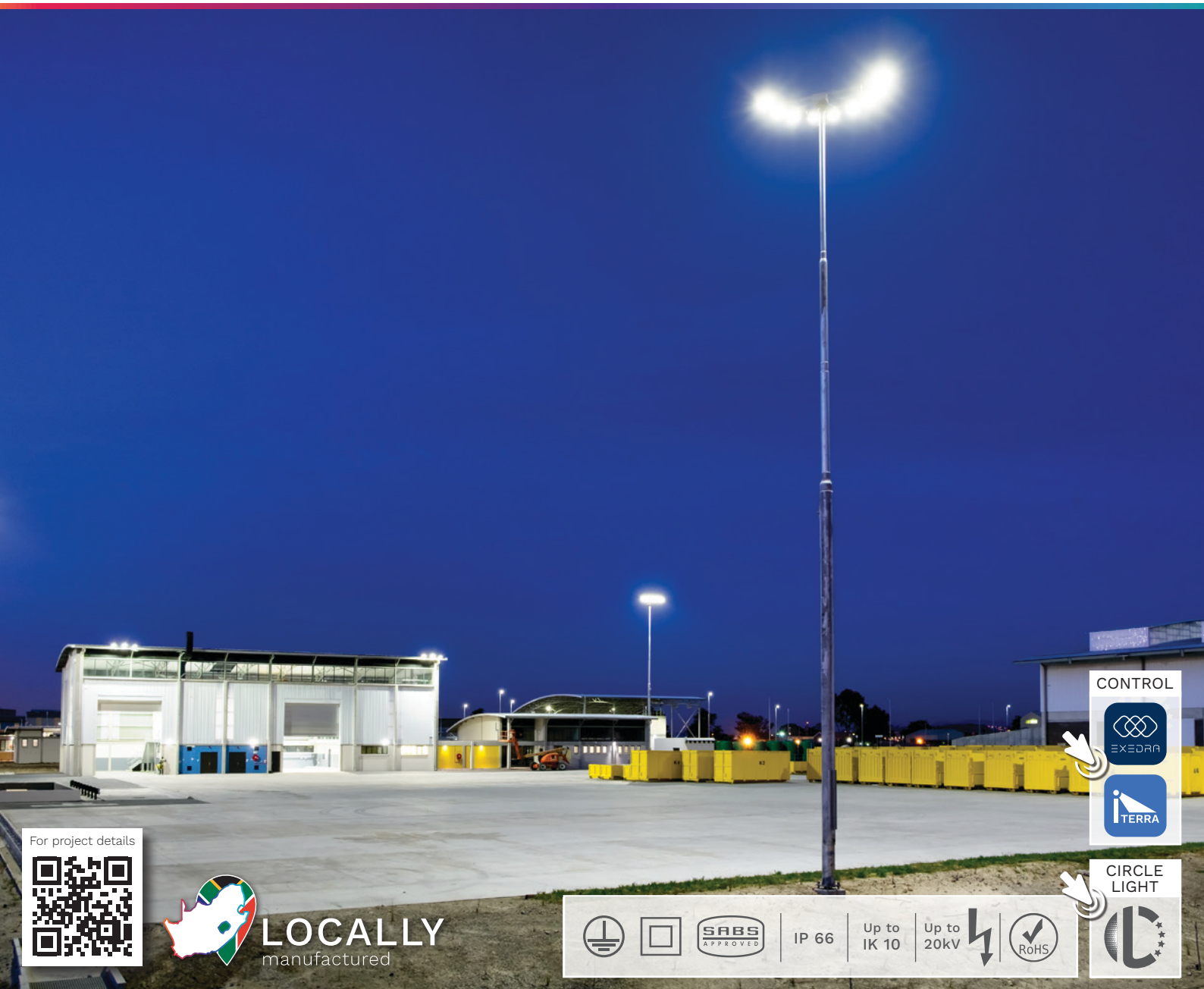
LEDFLOOD

High-performance LED floodlight

SA PAT. 2012/07685

LEDFLOOD-MIDI

LEDFLOOD-MAXI



Key advantages

- Designed and manufactured in South Africa
- Designed to operate LED light sources of up to 231W/37,429lm in an ambient temperature (Tq) environment of up to 25˚C, without reducing the useful lifetime of 100 000 hours, at a lumen depreciation of not more than 5% (L95B10)
- Easy to install
- No lamp or component replacements for more than 10 years
- Designed for easy technology upgrade (FutureProof)
- Marine grade, high-pressure die-cast aluminium housing
- Designed to replace conventional HID and CFL streetlight and floodlight luminaires (up to 600W HPS) with energy savings up to 70%
- Three-compartment housing, ensures reliable ingress protection
- Automatic disconnection of power when opened
- Surge protection 10kV/10kA
- Circular economy 4-star rating
- 5-year warranty (Terms and conditions apply)

Characteristics

GENERAL INFORMATION		
Testing standard	SANS 475, SANS 60598, SANS 62262	
Housing	Marine grade high-pressure die-cast aluminium (EN 1706 AC-44300)	
Protector	High-impact clear glass	High-impact polycarbonate (optional)
Housing finish	Unpainted aluminium	
Aerodynamic resistance (CxS)	MIDI: 0.19m^2	MAXI: 0.22m^2
Standard mounting	Stirrup mount	
Nominal voltage	198-264V – 50Hz	
Surge protection	10kV / 10kA	20kV / 20kA (optional)
Operating temperature range (Ta)	-35°C up to +50°C	

LEDFLOOD	MIDI	MAXI
Wattage (up to)	152W	231W
Nominal flux (up to)	26,427lm	37,956lm
Luminaire output flux (up to)	23,256lm	33,401lm
Luminaire efficacy (up to)	171lm/W	159lm/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	
Lifetime of the Driver @Tq 25°C	100,000h ≤10% failure rate	

INTERCHANGE | AREA | INDUSTRIAL HARBOUR | HIGHMAST LIGHTING | SECURITY LIGHTING | FAÇADE | BRIDGES | STADIUM | UNIVERSITY TRACK & FIELD | RECREATIONAL SPORT

Please consult your sales representative for more information.

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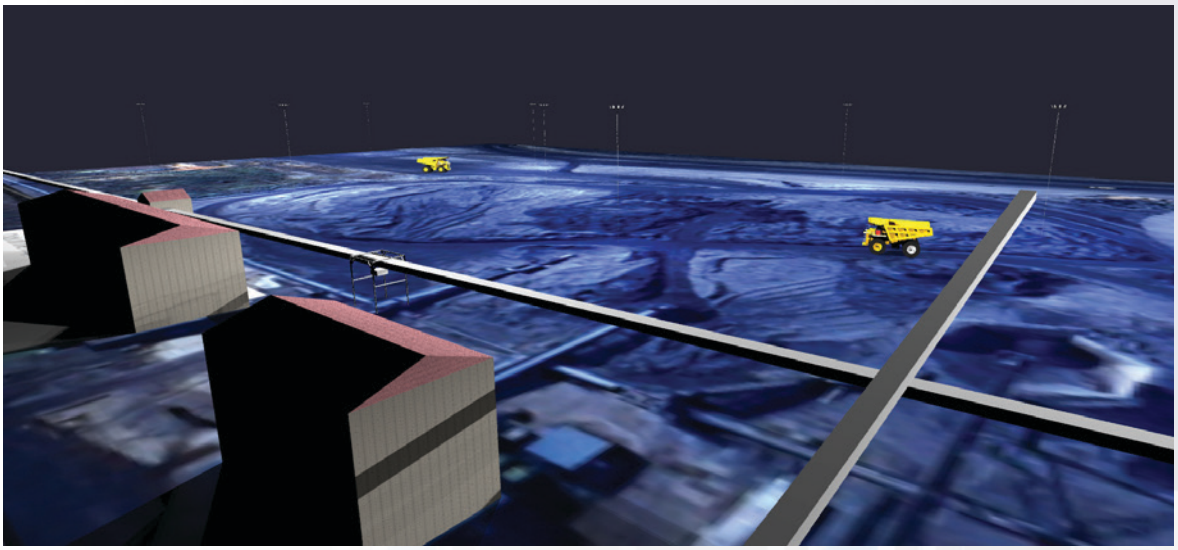
Case Study: Highmast installation 400W HID replacement

Specifications

Number of units per highmast: 9
Pole height: 30m

Comparing a 400W HID to a LEDFLOOD-MAXI highmast installation in a coal mine

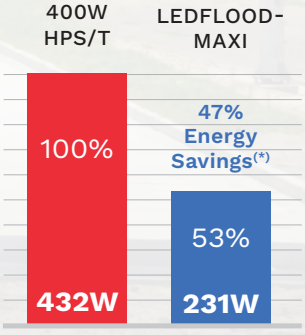
The LEDFLOOD-MAXI provides a 47% energy saving compared to a 400W high-intensity discharge luminaire, whilst fully meeting the application light level requirements.



	Luminaire fitted with 400W High-Pressure Sodium Lamp	LEDFLOOD-MAXI 120 LED
Luminaire power consumption	432W	231W
Maintenance factor	0.75	0.8
Eh_{ave}	18.95lux	17.56lx
E_{min}	5.8lux	4.3lx
Total power consumption (W)	38 880W	20 790W

Detail on lighting design comparison available on request.

Energy Savings



(*)Optic 5356, optimised design based on specifications

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www.beka-schreder.co.za

Designed and manufactured by BEKA Schréder (Pty) Ltd

LOCALLY manufactured

2026-05