

# OMNISTAR

## ECO

LED floodlighting solution



For project details



**LOCALLY**  
manufactured

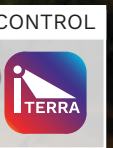


SABS  
APPROVED

IP 66

Up to  
IK 10

10kV



# Key advantages

- Designed and manufactured in South Africa
- Designed to operate LED light sources of 195W 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 10% (L90B10)
- Cost effective and efficient lighting solution to maximise energy and maintenance cost savings in highmast applications
- Instant switch on/off
- Sports applications: ball impact resistant
- Maintenance free
- Surge protection: Standard driver with additional 10kV/10kA
- Circular economy 3-star rating
- 3-year warranty (Terms and conditions apply)

## Characteristics

### GENERAL INFORMATION

Testing standard	SANS 60598, SANS 62262, SANS 475	
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)	0.0773m <sup>2</sup> (calculated at a 60° rake angle)	
Standard mounting	Stirrup enabling adjustable inclination on-site	U-bracket (optional)
Nominal voltage	198-264V – 50Hz	
Surge protection	10kV / 10kA	
Operating temperature range (Ta)	-40°C up to +45°C	

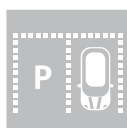
### OMNISTAR

### ECO

Wattage	195W
Nominal flux	31,943lm
Luminaire output flux	28,749lm
Luminaire efficacy	147lm/W
Colour temperature	4000K (Neutral white 740); 5700K (Cool white 757) CRI ≥70
Lifetime of the LEDs @Tq 25°C	100,000h - L90B10
Lifetime of the Driver @Tq 25°C	100,000h ≤10% failure rate



INTERCHANGE



AREA



INDUSTRIAL HARBOUR



HIGHMAST LIGHTING



FAÇADE



SIGNAGE



STADIUM



UNIVERSITY TRACK & FIELD

# Case Study: 400W HPS Comparison



Luminaire fitted with  
400W  
High Pressure Sodium  
lamp

OMNISTAR-ECO  
195W

### Energy Savings

400W  
HPS/T

OMNISTAR-  
ECO 195W

100%

55%  
Energy  
Savings<sup>(\*)</sup>

45%

432W

195W

	Luminaire fitted with 400W High Pressure Sodium lamp	OMNISTAR-ECO 195W
Luminaire power consumption (W)	432	195
9 x luminaires per mast (per mast total) (W)	3888	1755
Total power per mast (kWh)	3.89	1.76
Total power saved per mast (kWh)	-	2.13
Total power saved per mast (%)	-	55

Detail on lighting design comparison available on request.



Kuruman, South Africa

# BEKA Schröder

Experts in lightability™

**SABS**  
ISO 9001



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

Designed and manufactured by BEKA Schröder (Pty) Ltd



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