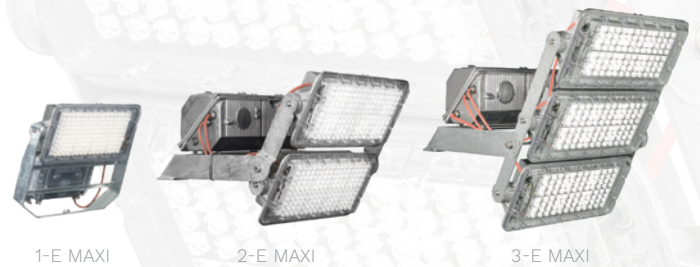
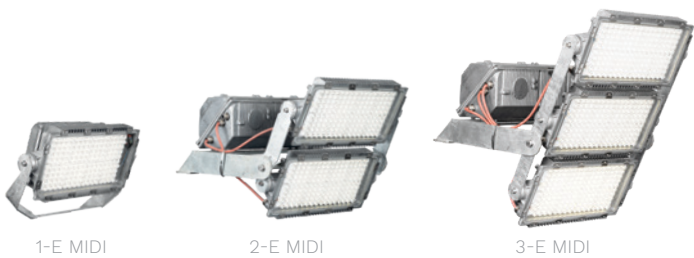


# OMNIBLAST-E

Modular LED floodlighting solution



For project details



**LOCALLY**  
manufactured



IP 66

Up to  
IK 10

Up to  
20kV



CONTROL



CIRCLE  
LIGHT



# Key advantages

- Manufactured in South Africa
- Cost-effective and efficient solution to maximise energy and maintenance savings
- Marine grade, high-pressure die-cast aluminium housing
- Designed to easily upgrade or replace the surge protection device, LEDs or drivers
- Designed to meet international sport federation lighting regulations
- Flexibility: modular approach for high-power applications (one-to-one replacement for up to 2000W HID lamps)
- Compliant with UHD/HD/4K broadcast and super slow motion replays (flicker-free)
- Instant switch on/off (static) - dynamic optional setting to create dramatic or theatrical effects
- Inclination angle adjustable on-site
- Surge protection 10kV/10kA
- Meeting Dark Sky requirements by using accessories such as vertical louvres and hoods
- Available in Zone 2 and 21/22 versions (MIDI only)
- 5-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	MAXI only: High-impact UV-resistant polycarbonate (optional)
Housing finish	Unpainted aluminium	
Aerodynamic resistance (CxS) (up to)	0.445m <sup>2</sup>	
Nominal voltage	198-264V – 50Hz	
Surge protection	10kV / 10kA	20kV / 20kA (optional)
Operating temperature range (Ta)	-20°C to +40°C	

OMNIBLAST	1-E MIDI	2-E MIDI	3-E MIDI	1-E MAXI	2-E MAXI	3-E MAXI
Wattage (up to)	412W	824W	1235W	704W	1,408W	2,112W
Nominal flux (up to)	60,480lm	120,960lm	181,441lm	89,188lm	178,376lm	267,563lm
Luminaire output flux (up to)	51,408lm	102,816lm	154,225lm	75,810lm	151,619lm	227,429lm
Luminaire efficacy (up to)	125lm/W	125lm/W	125lm/W	109lm/W	109lm/W	109lm/W
Colour temperature	4000K (Neutral white 740); 5700K (Cool white 757) CRI ≥70					
Lifetime of the LEDs @Tq 25°C	100,000h - Up to L95B10					
Lifetime of the Driver @Tq 25°C	Up to 100,000h ≤10% failure rate					



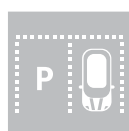
STADIUM



UNIVERSITY TRACK & FIELD



GOLF COURSE



AREA



INDUSTRIAL HARBOUR



HIGHMAST LIGHTING



INTERCHANGE

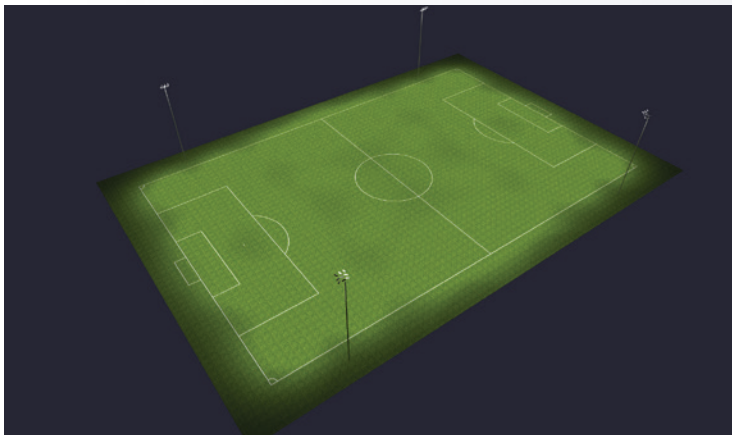


BRIDGE

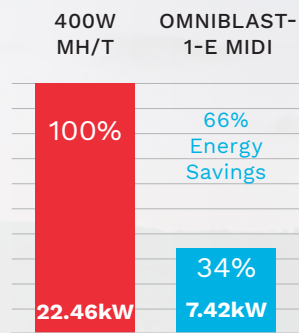
# Case Studies



## Recreational Sports - Soccer Field

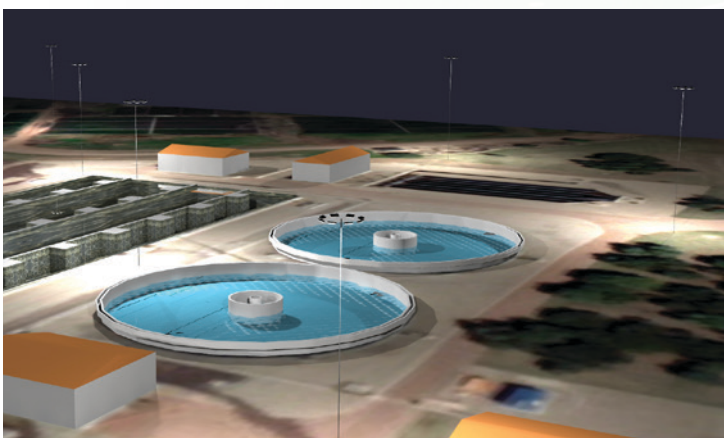


### Energy Savings

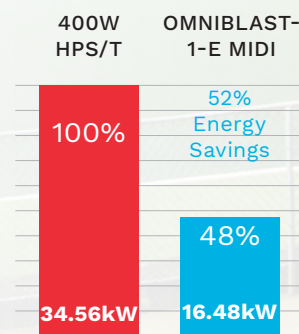


	Luminaire fitted with 400W Metal Halide lamp	OMNIBLAST-1-E MIDI 206W
Number of fittings over 4x20m masts	52	36
Energy used (kW)	22.46	7.42
Energy saved (kW)		<b>15.04</b>

## Waste Water Plant



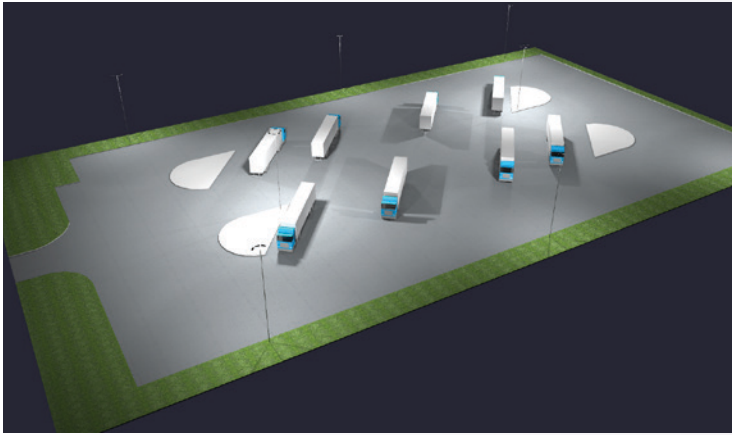
### Energy Savings



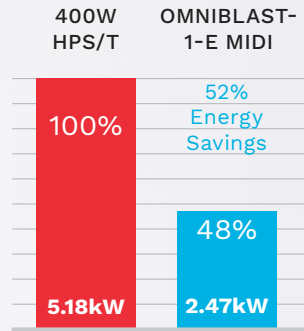
	Luminaire fitted with 400W High-Pressure Sodium lamp	OMNIBLAST-1-E MIDI 206W
Number of fittings	80	80
Energy used (kW)	34.56	16.48
Energy saved (kW)		<b>18.08</b>

Please note: Above calculations are for demonstration purposes, please contact us for detailed energy saving and return of investment calculations.

## Industrial Area



### Energy Savings

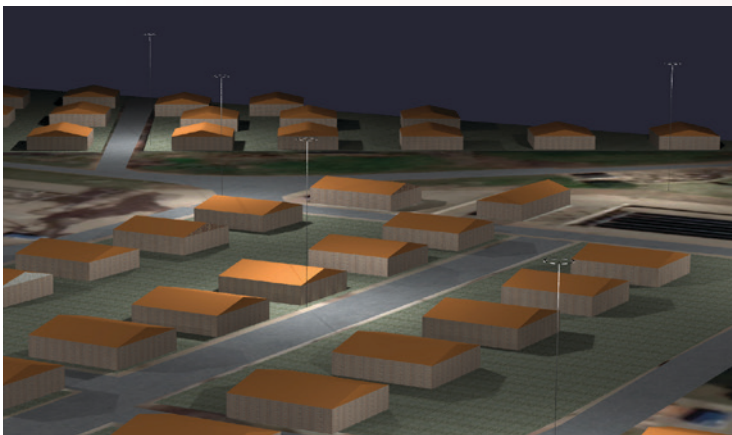


Luminaire fitted with 400W High-Pressure Sodium lamp

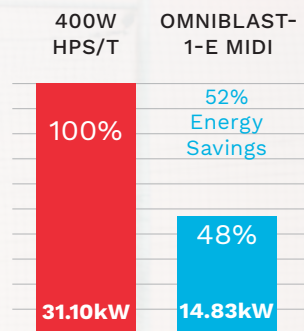
OMNIBLAST-1-E MIDI 206W

Number of fittings	12	12
Energy used (kW)	5.18	2.47
Energy saved (kW)		<b>2.71</b>

## Triangular Highmast Lighting



### Energy Savings



Luminaire fitted with 400W High-Pressure Sodium lamp

OMNIBLAST-1-E MIDI 206W

Number of fittings	72	72
Energy used (kW)	31.10	14.83
Energy saved (kW)		<b>16.27</b>

# 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



**LOCALLY**  
manufactured

2024-08

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