

OMNISTAR

MICRO / MINI

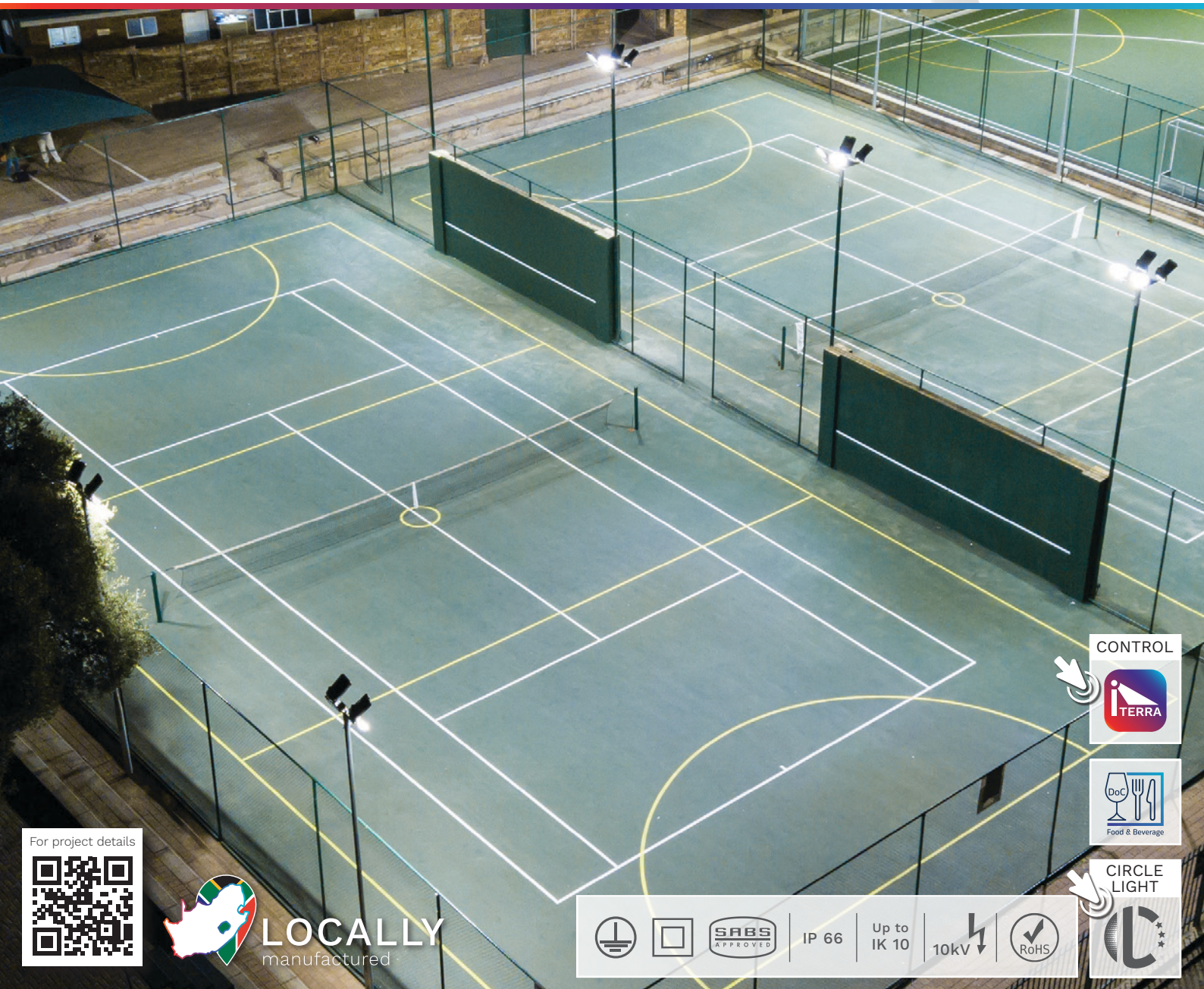
LED floodlighting solution



OMNISTAR-MICRO



OMNISTAR-MINI



For project details



LOCALLY
manufactured



IP 66

Up to
IK 10

10kV



CONTROL



CIRCLE
LIGHT



Key advantages

- Designed and manufactured in South Africa
- Highly efficient and energy saving
- White light with a high colour rendering index
- Designed to operate LED light sources of up to 116W without reducing the useful lifetime of up to 100 000 hours, at a lumen depreciation of not more than 5% (L95B10)
- Ta of up to 45°C
- Slim, aesthetical design optimised for LED characteristics
- Designed to replace conventional HID and CFL floodlight luminaires
- Easy to install
- Surge protection 10kV/10kA
- Circular economy 3-star rating
- 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	Glass	High-impact polycarbonate (optional)
Housing finish	Unpainted aluminium	
Aerodynamic resistance (CxS)	MICRO: 0.09m ²	MINI: 0.113
Standard mounting	Stirrup enabling adjustable inclination on-site	Pole mounted (optional)
Nominal voltage	198-264V – 50Hz	
Surge protection	10kV / 10kA	20kV / 20kA (optional for MINI only)
Operating temperature range (Ta)	-35°C up to +45°C	

OMNISTAR	MICRO	MINI
Wattage (up to)	81W	116W
Nominal flux (up to)	9,948lm	15,997lm
Luminaire output flux (up to)	8,257lm	13,277lm
Luminaire efficacy (up to)	125lm/W	127lm/W
Colour temperature	4000K (Neutral white 740); 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	



WAREHOUSE



INDUSTRIAL HALL



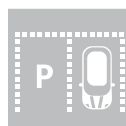
INDUSTRIAL HARBOUR



LOADING BAY



RECREATIONAL SPORT



AREA



FAÇADE



SIGNAGE

Case Study: 150W MH Comparison



Specifications

No. of poles: 4

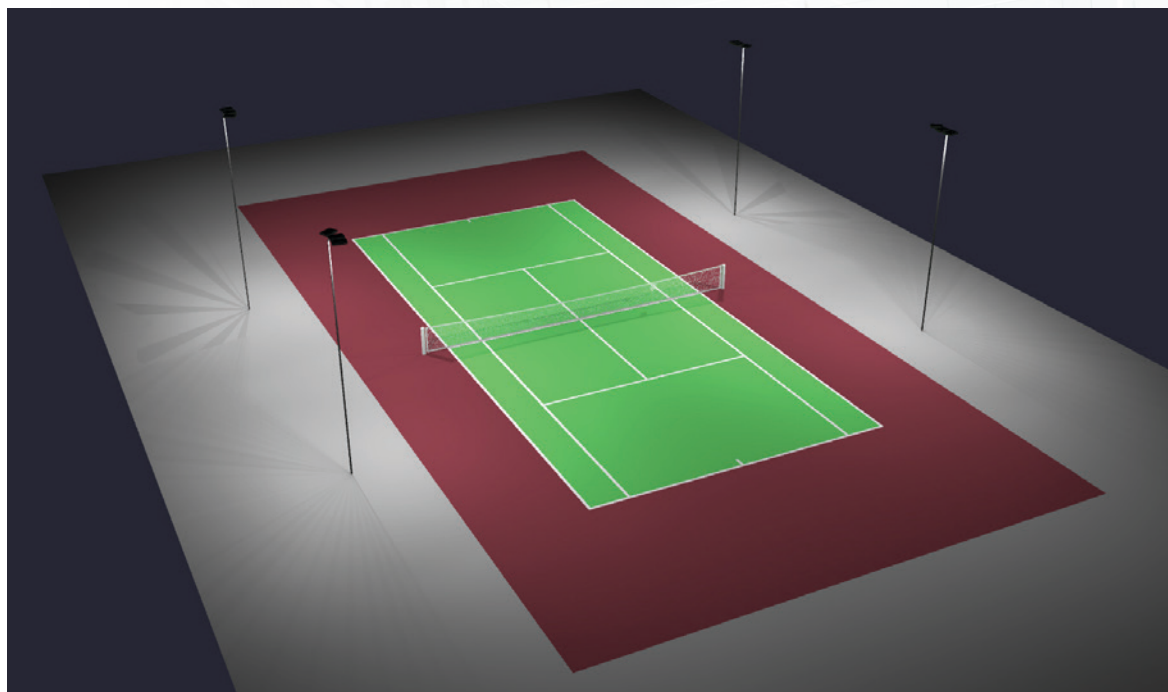
Tennis court playing area:

24m x 11m

Height: 8m

Comparing a 150W MH to an OMNISTAR-MINI recreational tennis court installation

The OMNISTAR-MINI provides a 51% energy saving compared to a 150W metal halide luminaire, while fully meeting the required light level requirements.



	Luminaire fitted with 150W Metal Halide Lamp (3 per 8m pole)	OMNISTAR-MINI 116W (2 per 8m pole)
Luminaire power consumption (W)	157	116
Average illuminance (lx)	91.33	135.98
Min/Avg uniformity	0.76	0.63
Power consumption per installation (W)	1,884	928

Detail on lighting design comparison available on request.

Energy Savings

150W MH	OMNISTAR- MINI
100%	51% Energy Savings ^(*)
157W	49%
	116W

^(*)Optic 1440, optimised design based on specifications

BEKA Schröder

Experts in lightability™

SABS
ISO 9001



www.beka-schreder.co.za

Designed and manufactured by BEKA Schröder (Pty) Ltd



LOCALLY
manufactured

2024-06

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