

LEDDUO

Decorative wall mounted LED luminaire

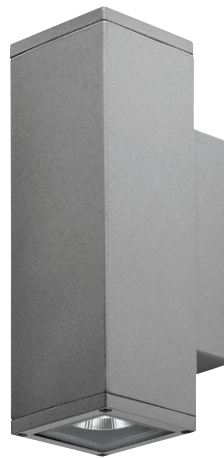


LOCALLY
manufactured

LEDDUO



Round



Square

Decorative wall mounted LED luminaires

The LEDDUO combines energy efficient with a sleek and sturdy design. Designed for exterior and interior lighting, the LEDDUO range offers two models - one square and one round - for a flawless integration into the architecture.

It is characterised by a refined design, a robust construction and an efficient LED engine. Suitable for architectural (façade and accent) and ambiance lighting (parks and gardens), the LEDDUO provides a versatile solution.

Key advantages

- Designed and manufactured in South Africa
- Designed to operate LED light sources of up to 2*7W in an ambient temperature environment of up to 35°C, without reducing the useful lifetime of 50 000 hours, at a lumen depreciation of not more than 30% (L70)
- Medium and wide beam distributions
- Ingress protection - IP 65
- 3 year warranty (Terms and conditions apply)



FAÇADE



SHOPPING CENTRE



PUBLIC BUILDINGS



COMMERCIAL BUILDINGS



BRIDGES

Characteristics

GENERAL INFORMATION

FutureProof	Easy replacement of the photometric engine and electronic assembly on-site
Driver included	Yes
ROHS compliant	Yes
Testing standard	SANS 60598, SANS 62262
Weight (kg)	1.8

HOUSING AND FINISH

Body	Marine grade aluminium (EN 1706 AC-44300)
Optic	Metalized PC
Protector	High-impact clear glass
Housing finish	Pearl Light Grey (RAL 9022), Textured finish
Tightness level	IP 65
Impact resistance	IK 07
Maintenance	Easily accessible

ELECTRICAL INFORMATION

Electrical class	EU class I
Nominal voltage	198-264V - 50Hz
Power factor	> 95% at full load
Electromagnetic compatibility (EMC)	SANS 55015:2013/A1:2015, SANS 61000-3-2:2014, SANS 61000-3-3:2013, SANS 61547:2009, SANS 62493:2015

OPTICAL INFORMATION

LED colour temperature	4000K (Neutral white 840) 3000K (Warm white 830)
Colour rendering index (CRI)	≥ 80 (Neutral white 840) ≥ 80 (Warm white 830)

OPERATING CONDITIONS

Operating temperature range (Ta)	-20°C up to +35°C
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LIFETIME OF THE LEDS @ TQ 25°C

For all versions	50,000h - L70B10
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LIFETIME OF THE DRIVER @ TQ 25°C

For all versions	100,000h ≤10% failure rate
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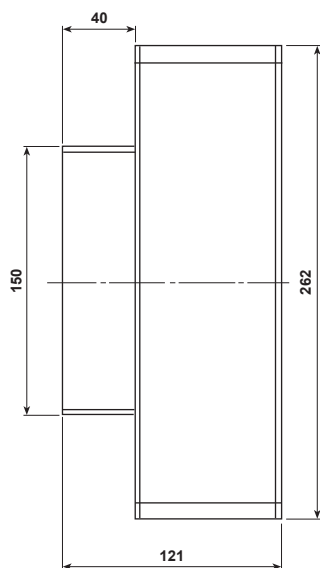
For options and accessories, please turn to page 7.



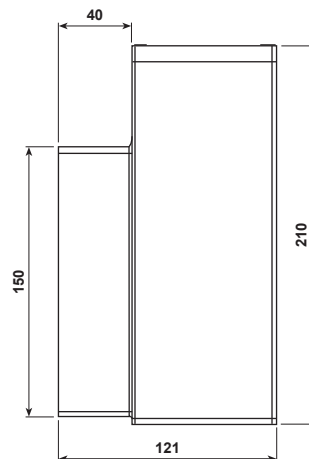
Tshwane University of Technology (TUT) Ga-Rankuwa Campus, Pretoria

Dimensions in mm

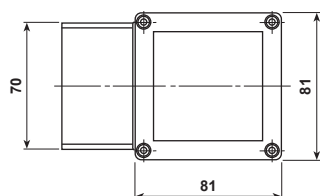
Standard version - Square / Round



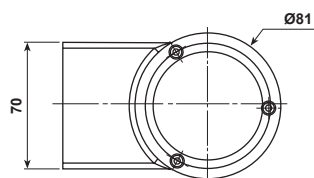
Single version - Square / Round



Bottom View - Square



Bottom View - Round



Construction Details

The luminaire consists of a marine grade aluminium die cast body. It is designed to operate two 7W LED engines.

The luminaire housing is robustly constructed, weather proof, hail proof, corrosion proof and vandal resistant. It is manufactured from corrosion-resistant aluminium. The front glass is mounted in a die-cast aluminium frame held captive by two stainless steel screws, fastened to the housing. The gaskets sealing the top and bottom frames are made of silicon sponge.

The reflector is made of aluminium coated polycarbonate with a protective layer to achieve an efficiency of $\geq 94\%$. The luminaire is power factor corrected to $\geq 0,95$.

Performance



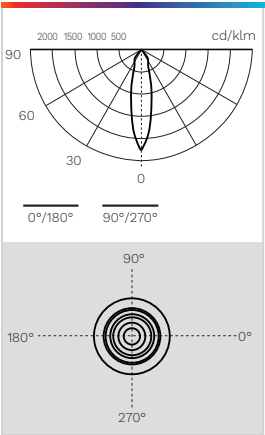
				Nominal flux (lm) ^(*)	Power consumption (W)	Nominal efficacy (lm/W)	Luminaire output flux (lm)	Luminaire efficacy (lm/W)	Photometry
Luminaire		Current (mA)	Line Current (A)	Typical	Typical	Typical	Typical	Typical	
LEDDUO Single	4000K	250	0.03	988	7	141	889	127	Medium or Wide beam
	3000K	250	0.03	950	7	135	855	122	
LEDDUO Dual	4000K	250	0.06	2*988	14	141	2*889	127	
	3000K	250	0.06	2*950	14	135	2*855	122	

Tolerance on LED flux is ± 7% and on total luminaire power ± 5 %

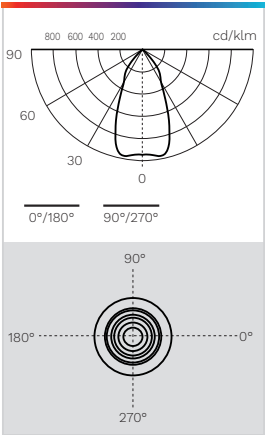
(*) The nominal flux is an indicative LED flux @ Ts 85°C based on LED manufacturer's data. The real flux output of the luminaire depends on environmental conditions (e.g. temperature and pollution) and the optical efficiency of luminaire. The type of LED used is subject to change due to the ongoing rapid progress taking place in LED technology.

Light Distributions

Medium beam



Wide beam



Key Features



Designed for exterior and interior lighting, the LEDDUO range offers two models - one square and one round - for a flawless integration into the architecture.



The luminaire housing is manufactured from Marine grade aluminium (EN 1706 AC-44300).

Ordering Information

Example:

LEDDUO DBL RN 14 NW WW BLK

ID	Configuration	Housing	Watt	LED Colour	Optic	Colour Options
LEDDUO	SGL Single direction DBL Double direction	RN Round SQ Square	7W 1 x7W Single direction 14W 2 x7W Up/Down	NW Neutral White (4000K) WW Warm White (3000K)	M Medium 32° up W Wide 50° up M Medium 32° down W Wide 50° down	BLK Black (RAL9017), Textured finish PLG Pearl Light Grey (RAL 9022), Textured finish WHT White (RAL9003), Textured finish OTH Painted Other (RAL / Finish [Brilliant/Matt])

BEKA Schröder

Experts in lightability™

SABS
ISO 9001



www.beka-schreder.co.za

Designed and manufactured by BEKA Schröder (Pty) Ltd



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