BEKA Schréder
Experts in lightability™

LEDQUAD

LED downlight

(EM)

LOCALLY
manufactured

LEDQUAD

A recessed rectangular LED lighting solution

An infilled reinforced luminaire frame incorporates the high-performing LEDs and secondary optical solution and electronic gear of the LEDQUAD.

The ceiling trim is manufactured from pressed metal for rigidity and is pre-coated with iron phosphate against rust before being finally coated with UV block hybrid polyester powder pigment and thereafter oven baked at 210˚C.

The LED secondary optics are made of high-quality PMMA and offer a variety of usage in application fields of retail, corridor and shelf lighting and provide a superior photometric distribution resulting in high spacing to mounting height ratios and low glare ratings. This, in conjunction with most advanced LED technology, will offer a highly efficient photometrical solution with up to 50,000hrs (L70B10).

PUBLIC BUILDING   SHOPPING CENTRE   COMMERCIAL BUILDING   SERVICE STATION

Key advantages

• Designed and manufactured in South Africa

• Unobtrusive, elegant design

• Low glare

• Long service life: up to 50,000 hours (L70B10)

• High colour rendering index: CRI >80

• Easy installation and maintenance free

• 3 year warranty (*)

(*) Terms and conditions apply

The LEDQUAD is a recessed rectangular luminaire
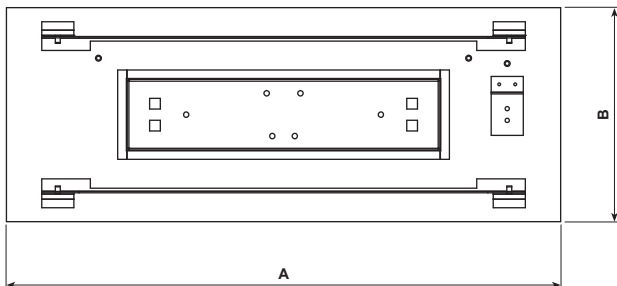
Characteristics

GENERAL INFORMATION

Driver included	Yes
ROHS compliant	Yes
Testing standard	SANS 60598

HOUSING AND FINISH

Housing	Epoxy powder coated sheet metal
Housing finish	White (RAL 9003), Brilliant finish
Tightness level	IP 20

DIMENSIONS AND MOUNTING

AxBxC (mm)	518x200x100
Weight (kg)	2.6

155x475mm

ELECTRICAL INFORMATION

Electrical class	EU class I
Nominal voltage	230V +3%/-10% - 50Hz
Power factor	> 90% 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)
	5000K (Cool white 850) (optional)
Colour rendering index (CRI)	≥ 80 (Neutral white 840)
	≥ 80 (Cool white 850) (optional)

OPERATING CONDITIONS

Operating temperature range (Ta)	-20°C to +40°C

LIFETIME OF THE LEDS @ TQ 25°C

For all versions	50,000h - L70B10

LIFETIME OF THE DRIVER @ TQ 25°C

For all versions	50,000h ≤10% failure rate

For options and accessories, please turn to page 4.

Light Distributions

Symmetrical
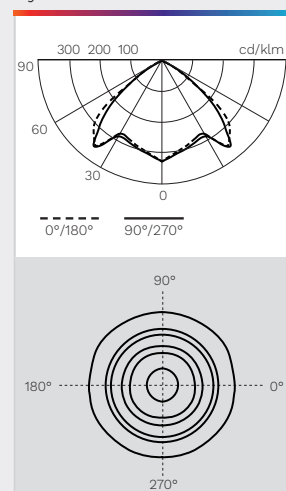
Asymmetrical

Performance
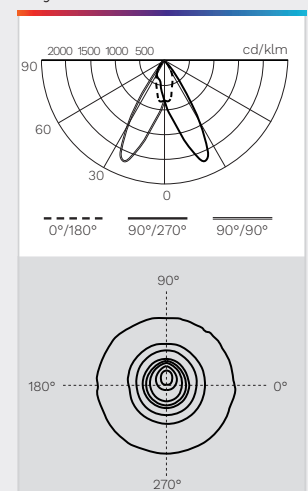
Luminaire	Driver Current (mA)	Line Current (A)	Nominal flux (lm) [*]	Power consumption (W)	Nominal efficacy (lm/W)	Luminaire output flux (lm)	Luminaire efficacy (lm/W)
			Typical	Typical	Typical	Typical	Typical
LEDQUAD	350	0.05	2010	12	168	1668	139
	500	0.08	2815	18	158	2336	131

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.

Ordering Information

Example:

LEDQUAD 12W WN SY 3M

ID	Watt	Colour Options	LED Colour	Light Distribution	Other Options
LEDQUAD	12W 18W	**W** White finish	**N** Neutral White (4000K) **C** Cool white (5000K)	**SY** Symmetric **AS** Asymmetric	**3M** 6A plug-top complete with 3m cabtyre

Custom Options

Switching/dimming control	DALI
	1-10V
Emergency	3 hours
Correlated colour temperature	3000K (Warm white 830)

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SABS
ISO 9001

www.beka-schreder.co.za

Designed and manufactured by BEKA Schréder (Pty) Ltd

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