

LEDDISK

Decorative suspended LED pendant
luminaire range



LOCALLY
manufactured

LEDDISK



IP 20

IK 08



LEDDISK-MIDI



LEDDISK-MAXI

Aesthetical high-powered commercial luminaire

The LEDDISK is the ideal luminaire for indoor commercial facilities, meeting light level requirements with an aesthetic design, limited glare and a high light output if needed.

This unique product provides a classic pendant option with a visually pleasing round housing, and an option of two sizes to complement your application needs.

The LEDDISK offers substantial energy savings compared to any conventional pendant luminaire in its class, and with a higher performance. Available with a selection of lumen packages, the LEDDISK is perfectly suited for aesthetic indoor lighting applications.

The LEDDISK maximises comfort for staff and visitors to your commercial facility while limiting energy consumption to what is necessary with its dimming options. Thanks to its reliable performance, and no need for relamping and regular maintenance, the LEDDISK is the luminaire of choice.



SHOPPING CENTRE



PUBLIC BUILDINGS



COMMERCIAL BUILDINGS



SERVICE STATION

Key advantages

- Designed and manufactured in South Africa
- Highly efficient and energy saving
- Slim, aesthetic design optimised for LED characteristics
- Halo effect
- Designed to operate LED light sources of up to 135W in an ambient temperature environment of up to 45°C, without reducing the useful lifetime of up to 98 000 hours, at a lumen depreciation of not more than 30% (L70B10)
- Long lifetime and low maintenance, no lamp replacement for more than 10 years
- Low glare lighting
- No upward lighting
- Easy to install
- Flicker-free lighting
- Colour rendering index ≥ 80
- 5 year warranty (Terms and conditions apply)

Characteristics

GENERAL INFORMATION

| | |
|---------------------------------|------------------------|
| Recommended installation height | 4m to 12m |
| Driver included | Yes |
| ROHS compliant | Yes |
| Testing standard | SANS 60598, SANS 62262 |

HOUSING AND FINISH

| | |
|-------------------|--|
| Housing | Heatsink: Marine grade high-pressure die-cast aluminium (EN 1706 AC-44300) Bottom spinning: Aluminium sheet Top spinning: Mild steel |
| Diffuser | Acrylic |
| Housing finish | White (RAL 9003), Textured finish |
| Tightness level | IP 20 |
| Impact resistance | IK 08 |

WEIGHT AND MOUNTING

| | |
|-------------------|-----------------------|
| Weight (kg) | MIDI: 3.2 MAXI: 10 |
| Standard mounting | Suspended |

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 |
| Control options | DALI Schröder ITERRA |

OPTICAL INFORMATION

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

OPERATING CONDITIONS

| | |
|----------------------------------|-------------------|
| Operating temperature range (Ta) | -30°C up to +45°C |
|----------------------------------|-------------------|

LIFETIME OF THE LEDS @ TQ 25°C

| | |
|------------------|------------------|
| For all versions | 98,000h – L70B10 |
|------------------|------------------|

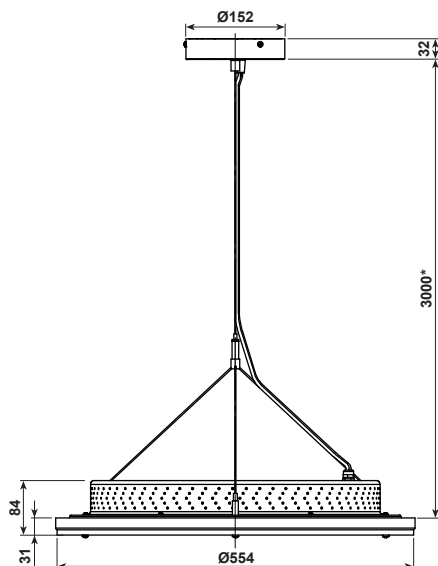
LIFETIME OF THE DRIVER @ TQ 25°C

| | |
|------------------|----------------------------|
| For all versions | 100,000h ≤10% failure rate |
|------------------|----------------------------|

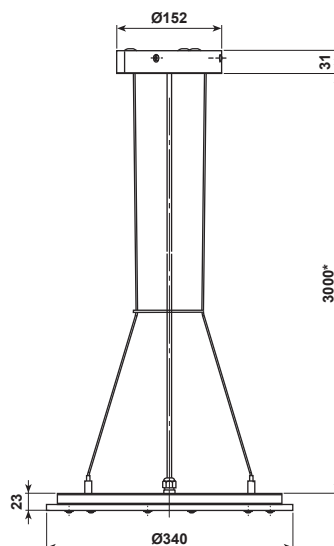
For options and accessories, please turn to page 5.

Dimensions in mm

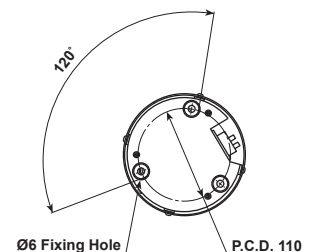
LEDDISK-MAXI



LEDDISK-MIDI



Mounting box



*Can be shortened to required length

Performance

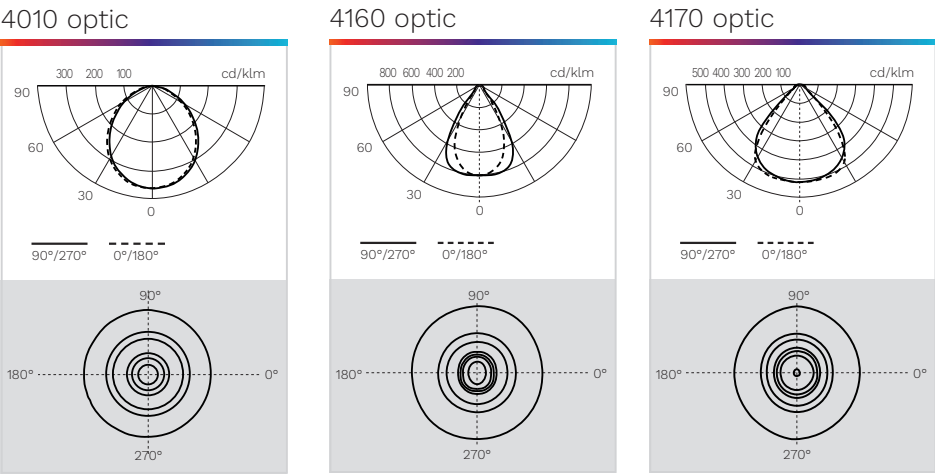
| | | | | | Nominal flux (lm) ^(*) | Power consumption (W) | Nominal efficacy (lm/W) | Luminaire output flux (lm) | Luminaire efficacy (lm/W) | Photometry ^(**) |
|-----------|----------------|---------------------|------------------|---------|----------------------------------|-----------------------|-------------------------|----------------------------|---------------------------|----------------------------|
| Luminaire | Number of LEDs | Driver Current (mA) | Line Current (A) | Typical | Typical | Typical | Typical | Typical | Typical | |
| LEDDISK | MIDI | 40 | 500 | 0.07 | 2220 | 16 | 113 | 1843 | 115 | 4010 |
| | MAXI | 160 | 240 | 0.27 | 10400 | 61 | 170 | 8632 | 142 | 4010 4160 4170 |
| | | 160 | 360 | 0.4 | 13400 | 93 | 144 | 11122 | 120 | |
| | | 160 | 500 | 0.59 | 18000 | 135 | 133 | 14940 | 111 | |

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.

(**) Custom combinations of lenses/optics to suit the project are available on request.

Light Distributions



Custom combinations of lenses/optics to suit the project are available on request.

Key Features



Low glare lighting with an aesthetically pleasing round PCB



Slim, aesthetic design optimised for LED characteristics

Ordering Information

Example:

LEDDISK MAXI 135N4010WS DALI

| ID | Watt | LED Colour | Optic ⁽¹⁾ | Colour Options | Mounting | Other Options |
|--------------|------|-------------------------------|----------------------|---|----------------|------------------------------------|
| LEDDISK-MIDI | 16 | N Neutral White (4000K) | 4010 | W White (RAL 9003), Textured finish | S Suspended | DALI DALI dimming |
| | | | | S Pearl Light Grey (RAL 9022), Textured finish | | |
| | | | | O Painted Other (RAL / Finish [Brilliant/Matt]) | | |
| | | | | | | |
| LEDDISK-MAXI | 61 | N Neutral White (4000K) | 4010 | W White (RAL 9003), Textured finish | S Suspended | E Emergency version (1 hour) |
| | 93 | | 4160 | S Pearl Light Grey (RAL 9022), Textured finish | A Solid arm | DALI DALI dimming |
| | 135 | | 4170 | O Painted Other (RAL / Finish [Brilliant/Matt]) | | |
| | | | | | | |

⁽¹⁾ Custom combinations of lenses/optics to suit the project are available on request.

Custom Options

| | |
|-------------------------------|-----------------------------------|
| Correlated colour temperature | 3000K (Warm white) |
| Mounting | Suspension cable (specify length) |

BEKA Schröder

Experts in lightability™

SABS
ISO 9001



www.beka-schreder.co.za

Designed and manufactured by BEKA Schröder (Pty) Ltd



LOCALLY
manufactured

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