

# PRODUCT DATASHEET

## CIR 100 160 ° 14.5 W/2700 K E27

CIRCOLUX LED | Circular LED lamps with E27 screw base



### Areas of application

- LED alternative for applications requiring a high luminous flux
- General illumination
- Large shades and pendant luminaires
- Outdoor applications only in suitable luminaires

### Product benefits

- High luminous flux
- Long lifetime of up to 15,000 h
- Low energy consumption
- Three year guarantee

### Product features

- Fold out base before first use
- Good quality of light; color rendering index  $R_a \geq 80$ ; constant chromaticity
- Not dimmable



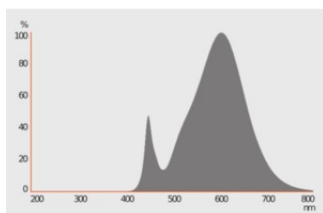
## TECHNICAL DATA

### Electrical data

Nominal wattage	14.5 W
Construction wattage	14.50 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	100 W
Nominal current	110 mA
Type of current	AC
Inrush current	6 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	23
Max. lamp no. on circuit break. 16 A (B)	29
Total harmonic distortion	95 %
Power factor $\lambda$	> 0.50

### Photometrical data

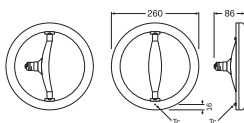
Luminous flux	1521 lm
Nominal useful luminous flux 90°	1521 lm
Luminous efficacy	104 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	≥80
Light color	827
Standard deviation of color matching	≤6 sdcn
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.9



### Light technical data

Beam angle	160 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s
Rated beam angle (half peak value)	160.00 °

### Dimensions & Weight



Overall length	86.00 mm
Length	86.00 mm
Width (incl. round luminaires)	260.00 mm
Height (incl. round luminaires)	260.00 mm
Diameter	260.00 mm
Maximum diameter	260 mm
Product weight	257.00 g

### Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	90 °C

### Lifespan

Nominal lamp life time	15000 h
Number of switching cycles	100000
Lumen maintenance at end of serv	0.70
Rated lamp survival factor at 6,000	≥ 0.90

### Additional product data

Base (standard designation)	E27
Mercury content	0.0 mg
Design / version	Frosted

### Capabilities

Dimmable	No
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### Certificates & Standards

Energy efficiency class	F <sup>1)</sup>
Energy consumption	15.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG0

<sup>1)</sup> Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

### Country-specific categorizations

Order reference	LED CIRCOLUX 14
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### LOGISTICAL DATA

Temperature range at storage	-20...+80 °C
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### Energy labelling regulation data acc EU 2019/2015

Lighting technology used	LED
Non-directional or directional	NDLS
Mains or non-mains	MLS
Light source cap-type (or other electric interface)	E27
Connected light source (CLS)	No
Color-tuneable light source	No
Envelope	No
High luminance light source	No
Anti-glare shield	No

Correlated colour temperature type	SINGLE_VALUE
Standby power	0.00
Claim of equivalent power	Yes
Chromaticity coordinate x	0.458
Chromaticity coordinate y	0.410
R9 Colour rendering index	0.00
Beam angle	SPHERE_360
Survival factor	0.90
Displacement factor	0.70
LED light source replaces a fluorescent light source	not applicable
EPREL ID	522883
Model number	AC32107

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075606999	Folding box 1	42 mm x 263 mm x 292 mm	277.00 g	3.23 dm <sup>3</sup>
4058075607002	Shipping box 4	278 mm x 272 mm x 184 mm	1301.00 g	13.91 dm <sup>3</sup>

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

## References / Links

- For further products and actual information concerning LED lamps see [www.ledvance.com/ledlamps](http://www.ledvance.com/ledlamps)
- For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

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