

## PRODUCT DATASHEET

### LEDinestra 50CM 40 200° 4.8W 827 S14d

LEDinestra® | Tubular LED lamps



#### Areas of application

- Ideal for mirror lighting
- Hotels, restaurants
- Domestic applications
- Outdoor use in suitable outdoor luminaires only

#### Product benefits

- Long lifetime of up to 15,000 h
- Low energy consumption
- Good color rendering

#### Product features

- LED alternative to tubular incandescent lamps
- Uniform illumination
- Mercury-free lamps
- Bulb made from glass



---

**TECHNICAL DATA****Electrical data**

Nominal wattage	4.8 W
Construction wattage	4.80 W
Nominal voltage	220...240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	40 W
Nominal current	40 mA
Type of current	AC
Inrush current	6.06 mA
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	50
Max. lamp number on MCB B16 A	90
Total harmonic distortion	159.1 %
Power factor $\lambda$	0.52

**Photometrical data**

Luminous flux	470 lm
Nominal useful luminous flux 90°	470 lm
Luminous efficacy	97 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)	0.1
Stroboscope effect metric (SVM)	0.1



EPREL data spectral diagram PROF  
LEDr 2700K

Light technical data

Beam angle	200 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

Dimensions & Weight



Overall length	500.00 mm
Diameter	29.00 mm
Maximum diameter	29 mm
Product weight	120.00 g

Temperatures & operating conditions

Ambient temperature range	0...+30 °C
Maximum temperature at tc test point	50 °C

Lifespan

Lifespan L70/B50 at 25 °C	15000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.70
Rated lamp survival factor at 6,000 h	≥ 0.90

Additional product data

Base (standard designation)	S14d
-----------------------------	------

Mercury content	0.0 mg
Design / version	Frosted
Product remark	All technical parameters apply to the entire lamp / Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value

### Capabilities

Dimmable	No
----------	----

### Certificates & Standards

Energy efficiency class	F <sup>1)</sup>
Energy consumption	5.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG0

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

### Country-specific categorizations

Order reference	LEDINES 50CM 4,
-----------------	-----------------

### LOGISTICAL DATA

Temperature range at storage	-20...+80 °C
------------------------------	--------------

### 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)	S14d
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 W
Networked standby power for CLS	0.00 W

Claim of equivalent power	Yes
Length	500.00 mm
Height	29.00 mm
Width	29.00 mm
Chromaticity coordinate x	0,458
Chromaticity coordinate y	0,410
R9 Colour rendering index	1
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	0.90
LED light source replaces a fluorescent light source	No
EPREL ID	522912
Model number	AC33895

### Safety advice

- Do not touch the lamp if broken.
- Must not be used if outer bulb is defective.

### DOWNLOAD DATA

Documents and certificates		Document name
	Declarations of conformity	LED SPECIAL
	Declarations of conformity	LED SPECIAL LEDINES
Photometric and lighting design files		Document name
	LDT file (Eulumdat)	LEDINES 50CM 4.8W 827 230V S14D
	Light distribution curve type polar	LEDINES 50CM 4.8W 827 230V S14D
	Spectral power distribution	EPREL data spectral diagram PROF LEDr 2700K

### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
--------------	------------------------------	--------------------------------------	--------------	--------

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075607156	Folding box 1	33 mm x 50 mm x 507 mm	172.00 g	0.82 dm <sup>3</sup>
4058075607163	Shipping box 10	570 mm x 215 mm x 155 mm	2122.00 g	19.00 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 dimming conformity see [www.ledvance.com/dim](http://www.ledvance.com/dim)
- For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

---

### DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.