PRODUCT DATASHEET
LEDinestra 50CM 40 200° DIM 4.9W 827 Frosted S14s

LEDinestra® DIM | Dimmable tubular LED lamps



Areas of application

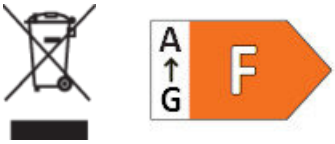
- Ideal for mirror lighting
- Hotels, restaurants
- Domestic applications
- Outdoor use in suitable outdoor luminaires only

Product benefits

- Very long lifetime of up to 25,000 h
- Lower energy consumption than incandescent or halogen lamps
- Good color rendering

Product features

- LED alternative to tubular incandescent lamps
- Dimmable (with many common dimmers, see also www.ledvance.com/dim)
- For especially uniform illumination



© 2024, LEDVANCE GmbH. All rights reserved.

- Mercury-free lamps
- Bulb made from glass

© 2024, LEDVANCE GmbH. All rights reserved.

TECHNICAL DATA

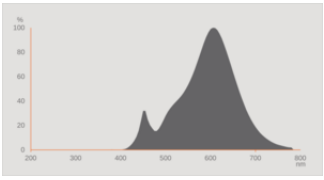
Electrical data

Nominal wattage	4.9 W
Construction wattage	4.90 W
Nominal voltage	220…240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	40 W
Nominal current	29 mA
Type of current	AC
Inrush current	0.29 mA
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	150
Max. lamp no. on circuit break. 16 A (B)	300
Total harmonic distortion	85.6 %
Power factor λ	0.75

Photometrical data

Luminous flux	470 lm
Nominal useful luminous flux 90°	470 lm
Luminous efficacy	95 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 sdcm
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	0.1
Stroboscope effect metric (SVM)	0.3

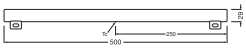
© 2024, LEDVANCE GmbH. All rights reserved.



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	-20…+40 °C
Maximum temperature at tc test point	50 °C

Lifespan

Lifespan L70/B50 at 25 °C	25000 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)	S14s
Mercury content	0.0 mg
Design / version	Frosted

© 2024, LEDVANCE GmbH. All rights reserved.

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	Yes [1)]

1) Check dimmer compatibility at ledvance.com/compatibility

Certificates & Standards

Energy efficiency class	F [1)]
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 50CM4,9

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)	S14s
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 W
Claim of equivalent power	Yes

© 2024, LEDVANCE GmbH. All rights reserved.

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	11.6
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	0.75
LED light source replaces a fluorescent light source	No
EPREL ID	522908
Model number	AC33891

DOWNLOAD DATA

	Documents and certificates
PDF	Declarations Of Conformity CE

	Photometric and lighting design files
LDT	LDT file (Eulumdat)
	LDC typ polar
	Spectral power distribution

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075607071	Folding box 1	33 mm x 50 mm x 507 mm	172.00 g	0.82 dm^3
4058075607088	Shipping box 10	570 mm x 215 mm x 155 mm	2122.00 g	19.00 dm^3

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

© 2024, LEDVANCE GmbH. All rights reserved.

– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

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

© 2024, LEDVANCE GmbH. All rights reserved.