

PRODUCT DATASHEET

LEDinestra 300 mm 25 4.5 W/2700 K S14d

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
- Mercury-free lamps
- Bulb made from glass



TECHNICAL DATA**Electrical data**

Nominal wattage	4.5 W
Construction wattage	4.50 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	25 W
Nominal current	23 mA
Type of current	AC
Inrush current	0.6 A
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Max. lamp number on MCB B10 A	400
Max. lamp number on MCB B16 A	500
Total harmonic distortion	20 %
Power factor λ	> 0.80

Photometrical data

Luminous intensity	not applicable
Luminous flux	250 lm
Nominal useful luminous flux 90°	250 lm
Luminous efficacy	55 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)	0,4



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	300.00 mm
Length with base excl. base pins/connection	300,00 mm
Diameter	29 mm
Maximum diameter	29 mm
Product weight	80.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	60 °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)	S14d
Mercury content	0.0 mg
Mercury-free	Yes
Design / version	Frosted

Capabilities

Dimmable	Yes
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Certificates & Standards

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

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

Country-specific categorizations

Order reference	LEDINESTRA4,5W/
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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)	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 W
Networked standby power for CLS	0 W
Claim of equivalent power	Yes
Length	300.00 mm
Height	29 mm
Width	29 mm
Chromaticity coordinate x	0,461

Chromaticity coordinate y	0,411
Beam angle correspondence	SPHERE_360
Survival factor	0,90
Displacement factor	0,5
LED light source replaces a fluorescent light source	No

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	EC Declaration of Conformity LEDinetsra DIM
Photometric and lighting design files		Document name
	IES file (IES)	AC18698_LEDINESTRA4,5W 827230VDIMFRS
	LDT file (Eulumdat)	AC18698_LEDINESTRA4,5W 827230VDIMFRS
	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
4058075135543	Folding box 1	33 mm x 50 mm x 307 mm	118.00 g	0.50 dm ³
4058075135550	Shipping box 10	370 mm x 215 mm x 155 mm	1381.00 g	12.33 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
- 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.