

# PRODUCT DATASHEET ST LINE S19 9 W/2700 K 310.00 mm

LED LINE S15 / S19 | Special LED lamps with S15 and S19 base



#### Areas of application

- Domestic applications
- Outdoor use in suitable outdoor luminaires only

#### Product benefits

- Long life
- Lower energy consumption than incandescent or halogen lamps
- No UV and near-IR radiation in the light beam
- Three year guarantee

#### **Product features**

- LED alternative to conventional lamps
- Mercury-free lamps





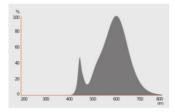
## TECHNICAL DATA

## Electrical data

Nominal wattage	9 W
Construction wattage	9.00 W
Nominal voltage	220240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	60 W
Nominal current	50 mA
Type of current	AC
Inrush current	0.2 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	100
Max. lamp number on MCB B16 A	160
Total harmonic distortion	80 %
Power factor $\lambda$	< 0.70

## Photometrical data

Luminous flux	830 lm
Nominal useful luminous flux 90°	830 lm
Luminous efficacy	92 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)	1
Stroboscope effect metric (SVM)	0.4



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## Light technical data

Beam angle	140°
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

## Dimensions & Weight

Overall length	310.00 mm
Diameter	38 mm
Maximum diameter	38 mm
Product weight	52.00 g

# Temperatures & operating conditions

Ambient temperature range	-20+40 °C
Maximum temperature at tc test point	70 °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)	S19 s
Mercury content	0.0 mg
Mercury-free	Yes
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 1)
Energy consumption	9.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG0
·	owest efficiency)
Country-specific categorizations  ILCOS	DRL-9/827-220-240-S19-38/310
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ILCOS Order reference	DRL-9/827-220-240-S19-38/310
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Order reference  OGISTICAL DATA  Temperature range at storage  Energy labelling regulation data acc EU 2019/2015	DRL-9/827-220-240-S19-38/310  LINE S19 9W/827  -20+80 °C
Order reference  OGISTICAL DATA  Temperature range at storage  Energy labelling regulation data acc EU 2019/2015  Lighting technology used	DRL-9/827-220-240-S19-38/310 LINE S19 9W/827  -20+80 °C
Order reference  OGISTICAL DATA  Temperature range at storage  Energy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional	DRL-9/827-220-240-S19-38/310  LINE S19 9W/827  -20+80 °C  LED  NDLS
ILCOS Order reference OGISTICAL DATA Temperature range at storage Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains	DRL-9/827-220-240-S19-38/310  LINE S19 9W/827  -20+80 °C  LED  NDLS  NMLS
Order reference  OGISTICAL DATA  Temperature range at storage  Energy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)	DRL-9/827-220-240-S19-38/310  LINE S19 9W/827  -20+80 °C  LED  NDLS  NMLS  S19 s
Order reference  OGISTICAL DATA  Temperature range at storage  Energy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)  Connected light source (CLS)	DRL-9/827-220-240-S19-38/310  LINE S19 9W/827  -20+80 °C  LED  NDLS  NMLS  S19 s  No
Order reference  COGISTICAL DATA  Temperature range at storage  Energy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)  Connected light source (CLS)  Color-tuneable light source	DRL-9/827-220-240-S19-38/310  LINE S19 9W/827  -20+80 °C  LED  NDLS  NMLS  S19 s  No  No
ILCOS Order reference  COGISTICAL DATA Temperature range at storage Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source Envelope	DRL-9/827-220-240-S19-38/310  LINE S19 9W/827  -20+80 °C  LED  NDLS  NMLS  S19 s  No  No  No
Order reference  LOGISTICAL DATA  Temperature range at storage  Energy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)  Connected light source (CLS)  Color-tuneable light source  Envelope  High luminance light source	DRL-9/827-220-240-S19-38/310  LINE S19 9W/827  -20+80 °C  LED  NDLS  NMLS  S19 s  No  No  No  No

Yes

310.00 mm

Claim of equivalent power

Length

Height	38 mm
Width	38 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	0.5
LED light source replaces a fluorescent light source	No
EPREL ID	522865
Model number	AC32110

# 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	
POF	Declarations of conformity	Declaration S19	
POF	Declarations of conformity	LED S19 60 lamp non dim	
PDF	Declarations of conformity UKCA	LED SPECIAL LINE S19	
	Photometric and lighting design files	Document name	
	Spectral power distribution	349927_2700K_Evl_5630.eps	

### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899955066	Folding box	39 mm x 46 mm x 345 mm	80.00 g	0.62 dm <sup>3</sup>
4052899955264	Shipping box 10	324 mm x 207 mm x 106 mm	930.00 g	7.11 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
- 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.