

# PRODUCT DATASHEET LED Line 57 140° 284mm 7W 827 Frosted S15s

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





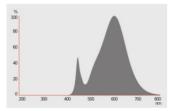
# TECHNICAL DATA

# Electrical data

Nominal wattage	7 W
Construction wattage	7.00 W
Nominal voltage	220240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	57 W
Nominal current	53 mA
Type of current	AC
Inrush current	4.22 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	197
Max. lamp number on MCB B16 A	316
Total harmonic distortion	120 %
Power factor λ	> 0.50

# Photometrical data

Luminous flux750 lmNominal useful luminous flux 90°750 lmLuminous efficacy107 lm/WLumen main.fact.at end of nom.life time0.70Light color (designation)Warm WhiteColor temperature2700 KColor rendering index Ra> 80Light color827Standard deviation of color matching≤6 sdcmRated LLMF at 6,000 h0.80Flickering metric (Pst LM)<1Stroboscope effect metric (SVM)0.4		
Luminous efficacy  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  Rated LLMF at 6,000 h  Flickering metric (Pst LM)  107 lm/W  0.70  Warm White  2700 K  26 sdcm  827  5tandard deviation of color matching <a href="#"><a href="&lt;/td"><td>Luminous flux</td><td>750 lm</td></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a>	Luminous flux	750 lm
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	Nominal useful luminous flux 90°	750 lm
Light color (designation)  Color temperature  2700 K  Color rendering index Ra  >80  Light color  827  Standard deviation of color matching  Rated LLMF at 6,000 h  Flickering metric (Pst LM)  Warm White  2700 K  ≥80  ≥80  827  Standard deviation of color matching  ≤6 sdcm     Standard deviation of color matching ≤6 sdcm   Color rendering index Ra ≥80     Standard deviation of color matching ≤6 sdcm   Color rendering index Ra ≥80     Standard deviation of color matching ≤6 sdcm   Color rendering index Ra ≥80     Standard deviation of color matching ≤6 sdcm   Color rendering index Ra ≥80     Standard deviation of color matching ≤6 sdcm   Color rendering index Ra ≥80     Standard deviation of color matching ≤6 sdcm   Color rendering index Ra ≥80     Standard deviation of color matching ≤6 sdcm   Color rendering index Ra ≥80     Standard deviation of color matching ≤6 sdcm   Color rendering index Ra ≥80     Standard deviation of color matching ≤6 sdcm   Color rendering index Ra ≥80     Standard deviation of color matching ≤6 sdcm	Luminous efficacy	107 lm/W
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	Lumen main.fact.at end of nom.life time	0.70
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	Light color (designation)	Warm White
Light color 827  Standard deviation of color matching ≤6 sdcm  Rated LLMF at 6,000 h 0.80  Flickering metric (Pst LM) <1	Color temperature	2700 K
Standard deviation of color matching ≤6 sdcm  Rated LLMF at 6,000 h  Discharge metric (Pst LM)  Classification of color matching ≤6 sdcm  Classification of color matching (Classification of color matching to color m	Color rendering index Ra	> 80
Rated LLMF at 6,000 h  Flickering metric (Pst LM)  0.80	Light color	827
Flickering metric (Pst LM) <1	Standard deviation of color matching	≤6 sdcm
	Rated LLMF at 6,000 h	0.80
Stroboscope effect metric (SVM) 0.4	Flickering metric (Pst LM)	<1
	Stroboscope effect metric (SVM)	0.4

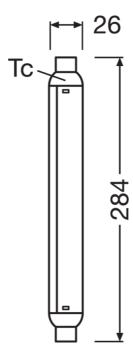


349927\_2700K\_Evl\_5630.eps

# Light technical data

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

# Dimensions & Weight



Overall length	284.00 mm
Diameter	26.00 mm

Maximum diameter	26 mm		
Product weight	41.2 g		
Temperatures & operating conditions			
Ambient temperature range -20+40 °C			
Maximum temperature at tc test point	80 °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)	S15s		
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	7.00 kWh/1000h		
Type of protection	IP20		
Standards	CE / UKCA		
Photobiological safety group acc. to EN62778 RG1			
Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lower Country-specific categorizations)	est efficiency)		

LINE S15 7W/827

# LOGISTICAL DATA

S15s

Order reference

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)	S15s		
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		
Length	284.00 mm		
Height	26.00 mm		
Width	26.00 mm		
Chromaticity coordinate x	0,458		
Chromaticity coordinate y	0,41		
R9 Colour rendering index	1		
Beam angle correspondence	SPHERE_360		
Survival factor	0,9		
Displacement factor	0.5		
LED light source replaces a fluorescent light source	No		
EPREL ID	1093388		
Model number	AC39391		

# 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
PDF	Declarations of conformity	LINE S15 LED lamp

Photometric and lighting design files		Document name	
	Spectral power distribution	349927_2700K_EvI_5630.eps	

# LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075699458	Folding box	28 mm x 49 mm x 328 mm	65.20 g	0.45 dm <sup>3</sup>
4058075699465	Shipping box 10	303 mm x 148 mm x 111 mm	769.00 g	4.98 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.

S15s