

# PRODUCT DATASHEET LED PIN 50 320° P 4.8W 827 Clear G9

LED PIN G9 P | LED lamps with retrofit pin base G9



#### Areas of application

- Atmospheric accent lighting throughout the home
- Shops, hotels and restaurants
- Outdoor use in suitable outdoor luminaires only

#### Product benefits

- Good all-around light emission
- Long lifetime of up to 15,000 h
- Four year guarantee
- Lower energy consumption than incandescent or halogen lamps

#### **Product features**

- LED alternative to conventional high voltage lamps





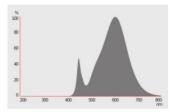
## TECHNICAL DATA

## Electrical data

Nominal wattage	4.8 W	
Construction wattage	4.80 W	
Nominal voltage	220240 V	
Operating mode	AC Mains	
Claimed equiv. conventional lamp power	48 W	
Nominal current	40 mA	
Type of current	AC	
Inrush current	5.3 A	
Operating frequency	50/60 Hz	
Mains frequency	50/60 Hz	
Max. lamp number on MCB B10 A	49	
Max. lamp number on MCB B16 A	63	
Total harmonic distortion	< 200 %	
Power factor $\lambda$	> 0.40	

## Photometrical data

Luminous flux	600 lm
Nominal useful luminous flux 90°	600 lm
Luminous efficacy	125 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

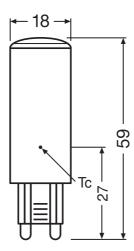


349927\_2700K\_Evl\_5630.eps

# Light technical data

Beam angle	320 °	
Warm-up time (60 %)	< 0.50 s	
Starting time	< 0.5 s	

## Dimensions & Weight



Overall length	59.00 mm
Diameter	18.00 mm
Maximum diameter	18 mm
Product weight	12.00 g

# Temperatures & operating conditions

abient temperature range -20+40 °C		
Maximum temperature at tc test point	91.2 °C	
ifespan		
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)	G9	
Mercury content	0.0 mg	
Mercury-free	Yes	
Design / version	Clear	
Product remark	All technical parameters apply to the entire lamp / Due to the comproduction process for light-emitting diodes, the typical values shot for the technical LED parameters are purely statistical values that continuous not necessarily match the actual technical parameters of each individual product, which can vary from the typical value	
Capabilities		
Capabilities  Dimmable	No	
	No	
Dimmable	No E 1)	
Dimmable Certificates & Standards		
Dimmable  Certificates & Standards  Energy efficiency class	E 1)	
Dimmable  Certificates & Standards  Energy efficiency class  Energy consumption	E <sup>1)</sup> 5.00 kWh/1000h	
Dimmable  Certificates & Standards  Energy efficiency class  Energy consumption  Type of protection	E <sup>1)</sup> 5.00 kWh/1000h IP20	
Dimmable  Certificates & Standards  Energy efficiency class  Energy consumption  Type of protection  Standards	E 1) 5.00 kWh/1000h IP20 CE / EAC / UKCA RG1	
Dimmable  Certificates & Standards  Energy efficiency class  Energy consumption  Type of protection  Standards  Photobiological safety group acc. to EN62778  Description in the protection of t	E 1) 5.00 kWh/1000h IP20 CE / EAC / UKCA RG1	
Dimmable  Certificates & Standards  Energy efficiency class  Energy consumption  Type of protection  Standards  Photobiological safety group acc. to EN62778  Description in Energy efficiency class (EEC) on a scale of A (highest efficiency) to Generate the Country-specific categorizations	E 1) 5.00 kWh/1000h IP20 CE / EAC / UKCA RG1 (lowest efficiency)	

LED

Lighting technology used

Non-directional or directional	NDLS
Mains or non-mains	MLS
Light source cap-type (or other electric interface)	G9
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
Claim of equivalent power	Yes
Length	59.00 mm
Height	18.00 mm
Width	18.00 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	0.5
LED light source replaces a fluorescent light source	No
EPREL ID	522868,1495798
Model number	AC32103,AC49476

## Safety advice

- Do not touch the lamp if broken.
- Must not be used if outer bulb is defective.
- To ensure full light efficiency and product lifetime, it is recommended to detach any glass or cover of the luminaire.

#### DOWNLOAD DATA

	Documents and certificates	Document name
POF	Declarations of conformity	LED SLIM LINE 78 60 NON-DIM

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
4099854064784	Folding box 1	28 mm x 28 mm x 67 mm	17.00 g	0.05 dm <sup>3</sup>
4099854064791	Shipping box 20	150 mm x 122 mm x 77 mm	376.00 g	1.41 dm <sup>3</sup>
4099854064807	Shipping box 120	256 mm x 160 mm x 248 mm	2391.00 g	10.16 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.