

PRODUCT DATASHEET

LED PIN 40 300° 4.2W 827 Clear G9

LED PIN G9 | 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
- Ideal for decorative and free-burning applications
- Three year guarantee
- Lower energy consumption than incandescent or halogen lamps

Product features

- LED alternative to conventional high voltage lamps
- Good quality of light; color rendering index $R_a \geq 80$; constant chromaticity



TECHNICAL DATA**Electrical data**

Nominal wattage	4.2 W
Construction wattage	4.20 W
Nominal voltage	220...240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	40 W
Nominal current	36 mA
Type of current	AC
Inrush current	5.16 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	31
Max. lamp number on MCB B16 A	40
Total harmonic distortion	< 166 %
Power factor λ	> 0.40

Photometrical data

Luminous flux	470 lm
Nominal useful luminous flux 90°	470 lm
Luminous efficacy	111 lm/W
Lumen main.fact.at end of nom.life time	0.93
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	80
Light color	827
Standard deviation of color matching	≤6 sdc _m
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4



349927_2700K_Evl_5630.eps

Light technical data

Beam angle	300 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

Dimensions & Weight

Overall length	49.00 mm
Diameter	18.00 mm
Maximum diameter	18 mm
Product weight	7.5 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	90 °C

Lifespan

Lifespan L70/B50 at 25 °C	15000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.93

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 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
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Certificates & Standards

Energy efficiency class	E 1)
Energy consumption	5.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC / UKCA
Photobiological safety group acc. to EN62778	RG1

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

Country-specific categorizations

Order reference	LEDPIN40 CL 4,2
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LOGISTICAL DATA

Temperature range at storage	-20...+80 °C
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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)	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	49.00 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	0.9
Displacement factor	0.5
LED light source replaces a fluorescent light source	No
EPREL ID	1403254,522877,1856544

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
	Declarations of conformity	LED PIN 40 NON DIM G9
	Declarations of conformity	LED PIN G9
	Declarations of conformity UKCA	LED PIN G9
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
4058075449893	Folding box 2	20 mm x 49 mm x 95 mm	22.00 g	0.09 dm ³

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075432390	Folding box 1	20 mm x 49 mm x 95 mm	14.50 g	0.09 dm ³
4058075626331	Shipping box 6	109 mm x 79 mm x 104 mm	100.00 g	0.90 dm ³
4058075626386	Shipping box 12	109 mm x 79 mm x 104 mm	141.00 g	0.90 dm ³
4058075432406	Shipping box 10	119 mm x 109 mm x 104 mm	193.00 g	1.35 dm ³
4058075432413	Shipping box 80			
4058075449916	Shipping box 160			
4058075626348	Shipping box 48	236 mm x 176 mm x 237 mm	1274.00 g	9.84 dm ³
4058075626393	Shipping box 96	236 mm x 176 mm x 237 mm	1634.00 g	9.84 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

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