PRODUCT DATASHEET
P DIM PIN 20 320 ° 2 W/2700 K G4

LED PIN 12 V DIM | Dimmable low-voltage 12 V LED lamps with retrofit pin base



Areas of application

- Decorative applications
- Atmospheric accent lighting throughout the home
- Outdoor use in suitable outdoor luminaires only

Product benefits

- Variable use at Direct Current and Alternating Current
- Good all-around light emission
- Ideal for decorative and free-burning applications
- Very long lifetime of up to 25,000 h
- Four year guarantee
- Lower energy consumption than incandescent or halogen lamps

Product features

- Dimmable (with many common dimmers, see also www.ledvance.com/dim)
- Compatible with many common conventional and electronic control gears (see also compatibility list)
- LED alternative to low voltage halogen lamps
- Base: G4, GY6.35





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TECHNICAL DATA

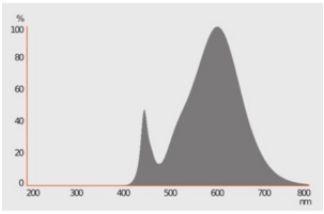
Electrical data

Nominal wattage	2 W
Construction wattage	2.00 W
Nominal voltage	12 V
Operating mode	12V AC/DC
Claimed equiv. conventional lamp power	20 W
Nominal current	190 mA
Type of current	AC/DC
Inrush current	2.5 A
Max. lamp number on MCB B10 A	47
Max. lamp number on MCB B16 A	76
Total harmonic distortion	< 120 %
Power factor λ	> 0.50

Photometrical data

Luminous flux	200 lm
Nominal useful luminous flux 90°	200 lm
Luminous efficacy	100 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)	1.0
Stroboscope effect metric (SVM)	0.4

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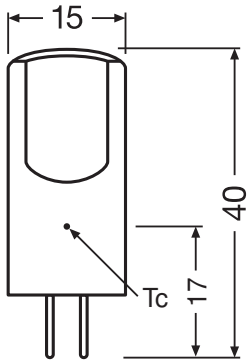


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Light technical data

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

Dimensions & Weight



Overall length	40.00 mm
Diameter	15.00 mm
Maximum diameter	15 mm
Product weight	5.5 g

Temperatures & operating conditions

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

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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)	G4
Mercury content	0.0 mg
Design / version	Clear

Capabilities

Dimmable	Yes

Certificates & Standards

Energy efficiency class	F [1)]
Energy consumption	2.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
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	LEDPPIN20D CL 2

LOGISTICAL DATA

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	NMLS
Light source cap-type (or other electric interface)	G4
Connected light source (CLS)	No
Color-tuneable light source	No
Envelope	No
High luminance light source	No

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Anti-glare shield	No
Correlated colour temperature type	SINGLE_VALUE
Standby power	0.00
Claim of equivalent power	Yes
Length	40.00 mm
Height	15.00 mm
Width	15.00 mm
Chromaticity coordinate x	0.458
Chromaticity coordinate y	0.410
Beam angle correspondence	SPHERE_360
Survival factor	0.90
LED light source replaces a fluorescent light source	No
EPREL ID	522864
Model number	AC32099

Safety advice

– 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
PDF	Declarations of conformity	LED PIN 20 NON-DIM 12V

	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
4058075622388	Folding box 1	28 mm x 28 mm x 67 mm	11.00 g	0.05 dm^3
4058075622395	Shipping box 20	150 mm x 122 mm x 77 mm	246.00 g	1.41 dm^3
4058075622401	Shipping box 120	256 mm x 160 mm x 248 mm	1611.00 g	10.16 dm^3

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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

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