PRODUCT DATASHEET
PIN 35 320 ° 3.3 W/2700 K GY6.35

LED PIN 12 V | 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
– Long lifetime of up to 15,000 h
– Three year guarantee

Product features

– Compatible with many common conventional and electronic control gears (see also compatibility list)
– LED alternative to low voltage halogen lamps
– Base: G4, GY6.35

TECHNICAL DATA

Electrical data

Nominal wattage	3.3 W
Construction wattage	3.30 W
Nominal voltage	12 V
Claimed equiv. conventional lamp power	35 W
Nominal current	440 mA
Type of current	AC/DC
Inrush current	9.2 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	28
Max. lamp no. on circuit break. 16 A (B)	45
Power factor λ	> 0.50

Photometrical data

Luminous flux	400 lm
Nominal useful luminous flux 90°	400 lm
Luminous efficacy	121 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

Light technical data

Beam angle	320 °
Warm-up time (60 %)	‹ 0.50 s
Starting time	< 0.5 s
Rated beam angle (half peak value)	320.00 °

Dimensions & Weight

Overall length	50.00 mm
Diameter	18,0 mm

Maximum diameter	18 mm
Product weight	9.00 g

Temperatures & operating conditions

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

Lifespan

Lifespan	15000 h
Number of switching cycles	100000
Lumen maintenance at end of serv	0.70
Rated lamp survival factor at 6,000	≥ 0.90

Additional product data

Base (standard designation)	GY6.35
Mercury content	0.0 mg
Mercury-free	Yes

Capabilities

Dimmable	No

Certificates & Standards

Energy efficiency class	A++ [1]
Energy consumption	4.00 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 E (lowest efficiency)

Country-specific categorizations

Order reference	LEDPIN35 3,3W/8

Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	GY6.35
Length	50.00 mm
Height	18,0 mm
Width	18,0 mm

Safety advice

– To ensure full light efficiency and product lifetime, it is recommended to detach any glass or cover of the luminaire.

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075432154	Folding box 1	20 mm x 49 mm x 95 mm	16.00 g	0.09 dm³
4058075432161	Shipping box 10	119 mm x 109 mm x 104 mm	195.00 g	1.35 dm³
4058075432178	Shipping box 80	256 mm x 236 mm x 237 mm	1948.00 g	14.32 dm³

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 Guarantee see www.osram-lamps.com/guarantee
– For further products and actual information concerning LED lamps see www.osram-lamps.com/led-lamps

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