

# product\_datasheet\_title

## LED PIN 40 320° DIM 4.5W 827 Clear GY6.35

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



## technical\_data

## ELECTRICAL DATA

Nominal wattage	3.8 W
Construction wattage	3.80 W
Nominal voltage	12 V
Operating mode	12V AC/DC <sup>1)</sup>
Claimed equiv. conventional lamp power	40 W
Nominal current	370 mA
Type of current	AC/DC
Inrush current	12.8 A
Max. lamp number on MCB B10 A	46
Max. lamp number on MCB B16 A	58
Total harmonic distortion	< 50 %
Power factor $\lambda$	> 0.90

1) Check ECG compatibility at [ledvance.com/compatibility](https://www.ledvance.com/compatibility)

## PHOTOMETRICAL DATA

Luminous flux	470 lm
Nominal useful luminous flux 90°	470 lm
Luminous efficacy	123 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 sdc <sub>m</sub>
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	1.0
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	50.00 mm
Diameter	18.00 mm
Maximum diameter	18 mm
Product weight	12.00 g

### TEMPERATURES & OPERATING CONDITIONS

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	98.6 °C

### LIFESPAN

Lifespan L70/B50 at 25 °C	20000 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)	GY6.35
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	yes <sup>1)</sup>
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<sup>1)</sup> Check dimmer compatibility at [ledvance.com/compatibility](https://www.ledvance.com/compatibility)

## CERTIFICATES & STANDARDS

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

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

## COUNTRY-SPECIFIC CATEGORIZATIONS

Order reference	LEDPIN40D CL 4,
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## LOGISTICAL DATA





Temperature range at storage	-20...+80 °C
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## Energy labelling regulation data

Lighting technology used	LED
Non-directional or directional	NDLS
Mains or non-mains	NMLS
Light source cap-type (or other electric interface)	GY6.35
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	50.00 mm
Height	18.00 mm
Width	18.00 mm
Chromaticity coordinate x	0.458
Chromaticity coordinate y	0.410
R9 Colour rendering index	6
Beam angle correspondence	SPHERE_360
Survival factor	0.9
Displacement factor	0.9
LED light source replaces a fluorescent light source	no
EPREL ID	522873,1856540
Model number	AC32115,AC58969

### download\_data

Documents and certificates		document_name
	Declarations Of Conformity CE	LED PIN 20 NON-DIM 12V
	Declarations Of Conformity CE	LED PIN G4 GY6.35
	Declarations Of Conformity UKCA	LED PIN G4 GY6.35
Photometric and lighting design files		document_name
	Spectral power distribution	349927_2700K_Evl_5630.eps

### logistical\_data

product_code	packaging_unit	dimensions	weight	volume
4058075607255	Folding box 1	20 mm x 49 mm x 95 mm	19.00 g	0.09 dm <sup>3</sup>
4058075607262	Shipping box 6	109 mm x 79 mm x 104 mm	145.00 g	0.90 dm <sup>3</sup>

product_code	packaging_unit	dimensions	weight	volume
4058075607279	Shipping box 48	236 mm x 176 mm x 237 mm	1480.00 g	9.84 dm <sup>3</sup>

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