

## PRODUCT DATASHEET

### P DIM PIN 20 320 ° 2 W/2700 K G4

PARATHOM® DIM LED PIN G4 12 V | Dimmable low-voltage 12 V LED lamps with retrofit pin base G4



#### Areas of application

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

#### Product benefits

- Very long lifetime of up to 25,000 h
- Very low energy consumption
- Easy replacement of halogen lamps thanks to compact design
- Ideal for decorative and free-burning applications
- Lower thermal output (compared with the standard reference product)
- Five year guarantee

#### Product features

- LED alternative to low voltage halogen lamps
- Dimmable (with many common dimmers, see also [www.ledvance.com/dim](http://www.ledvance.com/dim))
- Good quality of light; color rendering index  $R_a \geq 80$ ; constant chromaticity



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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                        | 180 mA    |
| Type of current                        | AC/DC     |
| Inrush current                         | 3.95 A    |
| Max. lamp number on MCB B10 A          | 40        |
| Max. lamp number on MCB B16 A          | 46        |
| Total harmonic distortion              | 37.9 %    |
| Power factor $\lambda$                 | > 0.90    |

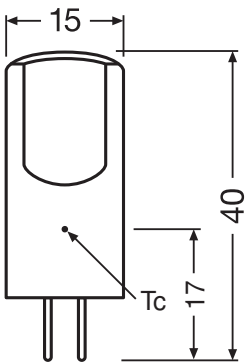
**Photometrical data**

|   |            |
|---|------------|
| 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 sdcn    |
| 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  |

**Dimensions & Weight**



|                  |          |
|------------------|----------|
| Overall length   | 40.00 mm |
| Diameter         | 15,0 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        |

Lifespan

|  |        |
|--|--------|
| 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 |
| Mercury-free                | Yes    |
| Design / version            | Clear  |

Capabilities

|          |     |
|----------|-----|
| Dimmable | Yes |
|----------|-----|

Certificates & Standards

|                         |                |
|-------------------------|----------------|
| Energy efficiency class | F 1)           |
| Energy consumption      | 3.00 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 | LEDPPIN20D CL 2 |
|-----------------|-----------------|


### Energy labelling regulation data acc EU 2019/2015

|   |              |
|---|--------------|
| Light source cap-type (or other electric interface) | G4           |
| Correlated colour temperature type                  | SINGLE_VALUE |
| Length  | 40.00 mm     |
| Height  | 15,0 mm      |
| Width   | 15,0 mm      |
| Displacement factor                                 | 0.5          |
| EPREL ID  | 1402999      |
| Model number  | AC17652      |

### 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                            |
|---|--|
|  Declarations of conformity | EC Declaration of Conformity LED G4 Lamp |

### LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075271746 | Folding box<br>1             | 28 mm x 28 mm x 67 mm                | 10.50 g      | 0.05 dm <sup>3</sup>  |
| 4058075271753 | Shipping box<br>20           | 150 mm x 122 mm x 77 mm              | 207.00 g     | 1.41 dm <sup>3</sup>  |
| 4058075271760 | Shipping box<br>120          | 256 mm x 160 mm x 248 mm             | 1377.00 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.

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### References / Links

- For further products and actual information concerning LED lamps see [www.ledvance.com/ledlamps](http://www.ledvance.com/ledlamps)
  - For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)
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