

## PRODUCT DATASHEET

### P LINE R7s 118.00 mm 100 13 W/2700 K R7s

PARATHOM® LINE R7s | Double-ended special LED lamps



#### Areas of application

- General illumination within ambient temperatures from -20...+40 °C
- Hospitality
- Domestic applications
- Outdoor use in suitable outdoor luminaires only

#### Product benefits

- Fits into most R7s luminaires thanks to excentric base
- Good all-around light emission
- Long lifetime of up to 15,000 h
- Lower thermal output (compared with the standard reference product)
- Four year guarantee

#### Product features

- LED alternative to conventional R7s lamps
- Good quality of light; color rendering index  $R_a \geq 80$ ; constant chromaticity



## TECHNICAL DATA

### Electrical data

|  |             |
|--|-------------|
| Nominal wattage                          | 13 W        |
| Construction wattage                     | 13.00 W     |
| Nominal voltage                          | 220...240 V |
| Claimed equiv. conventional lamp power   | 100 W       |
| Nominal current                          | 85 mA       |
| Type of current                          | AC          |
| Inrush current                           | 4.16 A      |
| Operating frequency                      | 50/60 Hz    |
| Mains frequency                          | 50/60 Hz    |
| Max. lamp no. on circuit break. 10 A (B) | 94          |
| Max. lamp no. on circuit break. 16 A (B) | 146         |
| Total harmonic distortion                | < 175 %     |
| Power factor $\lambda$                   | $\geq 0.50$ |

### Photometrical data

|   |              |
|---|--------------|
| Luminous flux                           | 1521 lm      |
| Nominal useful luminous flux 90°        | 1521 lm      |
| Luminous efficacy                       | 117 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                | $\geq 80$    |
| Light color                             | 827          |
| Standard deviation of color matching    | $\leq 6$ sdc |
| Rated LLMF at 6,000 h                   | 0.80         |
| Flickering metric (Pst LM)              | 1.0          |
| Stroboscope effect metric (SVM)         | 0.4          |



### Light technical data

|                                    |          |
|------------------------------------|----------|
| Beam angle                         | 300 °    |
| Warm-up time (60 %)                | < 0.50 s |
| Starting time                      | < 0.5 s  |
| Rated beam angle (half peak value) | 300.00 ° |

### Dimensions & Weight

|                  |           |
|------------------|-----------|
| Overall length   | 118.00 mm |
| Diameter         | 28.00 mm  |
| Maximum diameter | 28 mm     |
| Product weight   | 95.00 g   |

### Temperatures & operating conditions

|                                      |              |
|--------------------------------------|--------------|
| Ambient temperature range            | -20...+40 °C |
| Maximum temperature at tc test point | 82 °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) | R7s    |
| Mercury content             | 0.0 mg |
| Design / version            | Clear  |

## Capabilities

|          |    |
|----------|----|
| Dimmable | No |
|----------|----|

## Certificates &amp; Standards

|  |                 |
|--|-----------------|
| Energy efficiency class                      | E 1)            |
| Energy consumption                           | 13.00 kWh/1000h |
| Type of protection                           | IP20            |
| Standards                                    | CE / EAC        |
| Photobiological safety group acc. to EN62778 | RG0             |

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

## Country-specific categorizations

|                 |                 |
|-----------------|-----------------|
| Order reference | LEDPLI118100 13 |
|-----------------|-----------------|

## 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                                  | MLS          |
| Light source cap-type (or other electric interface) | R7s          |
| 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                                       | 0.00         |
| Claim of equivalent power                           | Yes          |
| Length  | 118.00 mm    |
| Height  | 28.00 mm     |

|  |            |
|--|------------|
| Width  | 28.00 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   | 522896     |
| Model number   | AC32133    |

### Safety advice

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

### DOWNLOAD DATA

#### DOWNLOAD DATA



Declarations Of Conformity CE

### LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075626874 | Folding box<br>1             | 30 mm x 30 mm x 122 mm               | 100.00 g     | 0.11 dm <sup>3</sup>  |
| 4058075626881 | Shipping box<br>20           | 159 mm x 129 mm x 131 mm             | 2054.00 g    | 2.69 dm <sup>3</sup>  |
| 4058075626898 | Shipping box<br>120          | 269 mm x 169 mm x 411 mm             | 12522.00 g   | 18.68 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.

### 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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