

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 |
| Operating mode | AC Mains |
| 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 number on MCB B10 A | 94 |
| Max. lamp number on MCB B16 A | 146 |
| Total harmonic distortion | < 175 % |
| Power factor λ | ≥ 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 | ≥ 80 |
| Light color | 827 |
| Standard deviation of color matching | ≤ 6 sdc _m |
| Rated LLMF at 6,000 h | 0.80 |
| Flickering metric (Pst LM) | 1.0 |
| Stroboscope effect metric (SVM) | 0.4 |



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Light technical data

| | |
|---------------------|----------|
| Beam angle | 300 ° |
| Warm-up time (60 %) | < 0.50 s |
| Starting time | < 0.5 s |

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 L70/B50 at 25 °C | 15000 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) | R7s |
| Mercury content | 0.0 mg |
| Design / version | Clear |

Capabilities

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

Certificates & 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 |
| R9 Colour rendering index | 1 |
| 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

| Documents and certificates | | Document name |
|---|-----------------------------|-----------------------------|
|  | Declarations of conformity | LED SLIM LINE 78 60 NON-DIM |
| 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 |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075626874 | Folding box 1 | 30 mm x 30 mm x 122 mm | 100.00 g | 0.11 dm ³ |
| 4058075626881 | Shipping box 20 | 159 mm x 129 mm x 131 mm | 2054.00 g | 2.69 dm ³ |
| 4058075626898 | Shipping box 120 | 269 mm x 169 mm x 411 mm | 12522.00 g | 18.68 dm ³ |

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
- For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.