

PRODUCT DATASHEET

P AR111 75 24° 15 W/3000K G53

PARATHOM PRO AR111 | LED reflector lamps AR111 with retrofit pin base



AREAS OF APPLICATION

- Shops
- Shop windows
- Hotels, hospitality
- Museums, art galleries
- Exhibition rooms
- Residential interiors
- Luxurious living areas
- Outdoor applications only in suitable luminaires

PRODUCT BENEFITS

- Short payback period thanks to low energy consumption and maintenance costs
- Premium light quality thanks to high color rendering index and narrow binning
- Easy replacement of halogen lamps due to compact design and single optic design

PRODUCT FEATURES

- Professional LED alternative to AR111 halogen lamps
- Very high color rendering ($R_a: 90$)
- Mercury-free lamps
- Dimmable (with many common dimmers, see also www.ledvance.com/dim)
- Single optic design



TECHNICAL DATA

Electrical data

| | |
|--|------------|
| Rated wattage | 15.00 W |
| Nominal wattage | 15.00 W |
| Nominal voltage | 12 V |
| Claimed equiv. conventional lamp power | 75 W |
| Max. lamp no. on circuit break. 10 A (B) | 98 |
| Max. lamp no. on circuit break. 16 A (B) | 72 |
| Operating frequency | 50...60 Hz |
| Power factor λ | > 0.60 |

Photometrical data

| | |
|---|---------------|
| Nominal luminous flux | 800 lm |
| Rated luminous flux | 800 lm |
| Rated color temperature | 3000 K |
| Lumen main.fact.at end of nom.life time | 0.70 |
| Light color (designation) | Warm White |
| Color temperature | 3000 K |
| Luminous flux | 800 lm |
| Color rendering index Ra | 97 |
| Standard deviation of color matching | ≤ 6 sdcn |
| Color rendering index Ra | 97 |
| Nominal useful luminous flux 90° | 800 lm |
| Rated useful luminous flux 90° | 800 lm |
| Rated peak intensity | 4000 cd |

Light technical data

| | |
|------------------------------------|----------|
| Beam angle | 24 ° |
| Warm-up time (60 %) | < 0.50 s |
| Starting time | < 0.5 s |
| Nominal beam angle | 24 ° |
| Rated beam angle (half peak value) | 24.00 ° |

Dimensions & weight



| | |
|-------------------------|----------|
| Overall length | 55.0 mm |
| Diameter | 111.0 mm |
| Outer bulb | AR111 |
| Length | 55.0 mm |
| Maximum diameter | 111.0 mm |

Temperatures & operating conditions

| | |
|---|-------|
| Maximum temperature at tc test point | 83 °C |
|---|-------|

Lifespan

| | |
|-----------------------------------|---------|
| Nominal lamp life time | 40000 h |
| Rated lamp life time | 40000 h |
| Number of switching cycles | 100000 |

Additional product data

| | |
|------------------------------------|--|
| Base (standard designation) | G53 |
| Mercury content | 0.0 mg |
| Mercury-free | Yes |
| Show WEEE picto | Yes |
| 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 |
|-----------------|-----|

Certificates & standards

| | |
|--------------------------------|---|
| Energy efficiency class | A |
|--------------------------------|---|

Energy consumption

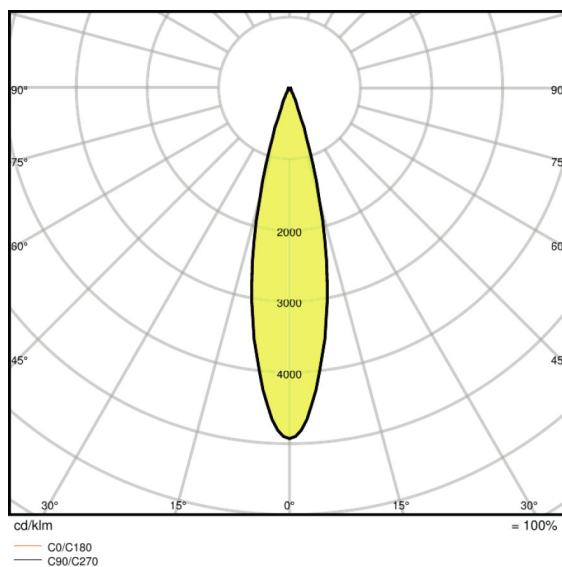
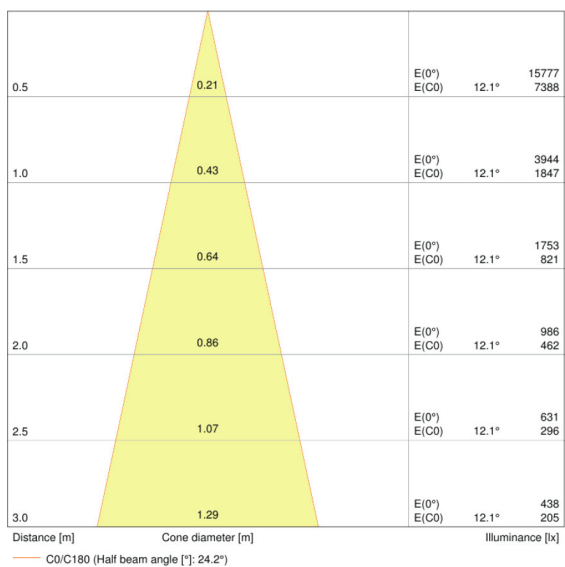
16 kWh/1000h

Country-specific categorizations

Order reference

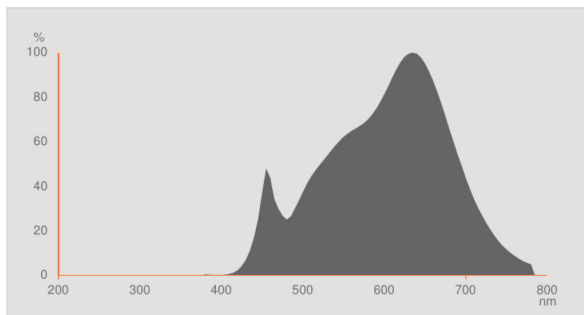
LPAR111 7524 15

Light Distribution



LDC typ cone

LDC typ polar



Spectral power distribution

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075105034 | Folding carton box 1 | 86 mm x 86 mm x 112 mm | 246.00 g | 0.83 dm ³ |
| 4058075105041 | Shipping carton box 6 | 275 mm x 185 mm x 130 mm | 1551.00 g | 6.61 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 dimming conformity see

- ▶ www.ledvance.com/dim

For Guarantee see

- ▶ www.ledvance.com/guarantee

For further products and actual information concerning LED lamps see

- ▶ www.ledvance.com/ledlamps

Further information see

- ▶ www.ledvance.com/low-voltage-ledlamps

DISCLAIMER

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