

PRODUCT DATASHEET

P PAR 38 120 15 ° 12.5 W/2700 K E27

Starters for single operation at 230 V AC (ST 111, ST 171, ST 173) | Starters for single operation at 230 V AC



Areas of application

- Shops and exhibition rooms
- Domestic applications
- Commercial applications
- Accent lighting
- Outdoor use in suitable outdoor luminaires only

Product benefits

- Quick, simple and safe replacement without rewiring
- Design, dimensions, luminous flux comparable to an incandescent or halogen lamp
- Low maintenance costs thanks to long lifetime
- No UV and near-IR radiation in the light beam
- Instant 100 % light, no warm-up time
- Lower energy consumption than incandescent or halogen lamps

Product features

- LED alternative to high voltage halogen lamps
- High color consistency: ≤ 6 SDCM
- Not dimmable
- Base: E27
- Lamp made of glass
- Good quality of light; color rendering index CRI ≥ 80
- Lifetime up to 15,000 h



– Type of protection: IP65

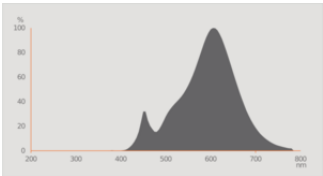
TECHNICAL DATA

Electrical data

Nominal wattage	12.5 W
Construction wattage	12.50 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	120 W
Nominal current	103 mA
Type of current	AC
Inrush current	8 A
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Max. lamp number on MCB B10 A	90
Max. lamp number on MCB B16 A	145
Power factor λ	> 0.50

Photometrical data

Luminous intensity	11000 cd
Luminous flux	1035 lm
Nominal useful luminous flux 90°	1035 lm
Luminous efficacy	82 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 peak intensity	11000 cd
Rated LLMF at 6,000 h	0.80

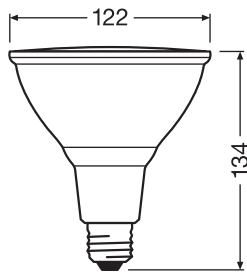


SAMSUNG
SPHWAHDNB25YZW3D2 2700K

Light technical data

Beam angle	15 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

Dimensions & Weight



Overall length	134.00 mm
Diameter	122.00 mm
Maximum diameter	122 mm
Product weight	400.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	85 °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)	E27
Mercury content	0.0 mg
Mercury-free	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
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Capabilities

Dimmable	No
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Certificates & Standards

Energy efficiency class	A+ ¹⁾
Energy consumption	13.00 kWh/1000h
Type of protection	IP65
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	LPPAR3812015 12
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Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	E27
Length	134.00 mm
Height	122.00 mm
Width	122.00 mm

DOWNLOAD DATA

Photometric and lighting design files	Document name
 Spectral power distribution	SAMSUNG SPHWHAHDNB25YZW3D2 2700K

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075105454	Folding box 1	127 mm x 129 mm x 170 mm	515.00 g	2.79 dm ³
4058075105461	Shipping box 6	393 mm x 269 mm x 184 mm	2237.00 g	19.45 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
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DISCLAIMER

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