# PRODUCT DATASHEET
# SUN@Home Spot PAR16 40 GU10 TW

Sun@Home Lamps | Lamps with Human Centric Lighting Technology

## Areas of application

– Indoor applications
– Outdoor use in suitable outdoor luminaires only

## Product benefits

– Enable increased concentration and efficiency
– Improve overall activity level and daytime alertness
– Improve sleeping rhythm and –intensity
– Improve optic convenience
– Enables an improved level of clean-air-safety by killing residential germs and bad odors
– Easy to install and use
– Contains no mercury
– Lower energy consumption than incandescent or halogen lamps

## Product features

– Adjustable color temperature via Tunable White: 2,200…5,000 K
– Controllable via LEDVANCE SMART+ App (with minimum Android 8.0 or iOS 14.0)
– Controllable via Google Assistant and Amazon Alexa possible
– Dimmable
– Innovative Fullspectrum SunLike LEDs with CRI95

– SunLike LEDs with reduced Blue Light in LED Spectrum
– Innovative luminaire coating-technology fighting household germs and odors
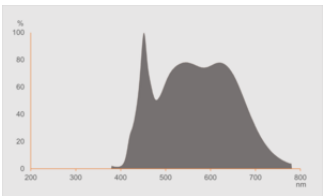– Automated biorhythm feature

## TECHNICAL DATA

### Electrical data

| | |
|---|---|
| Nominal wattage | 4.9 W |
| Construction wattage | 4.90 W |
| Nominal voltage | 230 V |
| Nominal current | 50 mA |
| Operating frequency | 50…60 Hz |
| Mains frequency | 50…60 Hz |
| Power factor λ | > 0.5 |
| Claimed equiv. conventional lamp power | 40 W |
| Operating mode | AC Mains |

### Photometrical data

| | |
|---|---|
| Light color (designation) | Tunable White |
| Lumen main.fact.at end of nom.life time | 0.95 |
| Standard deviation of color matching | ≤6 sdcm |
| Nominal luminous flux | 268 lm |
| Luminous flux | 268 lm |
| Luminous efficacy | 54 lm/W |
| Luminous intensity | 437 cd |
| Adjustable color temperature | 2200…5000 K |
| Color temperature | 2200…5000 K |
| Color rendering index Ra | 95 |
| Flickering metric (Pst LM) | ≤1.0 |
| Stroboscope effect metric (SVM) | 0,90 |



SUN@HOME CLASSIC A B PAR16

### Light technical data

| Beam angle | 38 ° |
|---|---|
| Starting time | < 0.5 s |
| Warm-up time (60 %) | ‹ 0.50 s |

## Dimensions & Weight

| Product weight | 45.9 g |
|---|---|
| Diameter | 50.00 mm |
| Maximum diameter | 50 mm |
| Length | 54.00 mm |
| Width | 50.00 mm |
| Height | 50.00 mm |
| Outer bulb [PICOS] | PAR51 |

## Lifespan

| Number of switching cycles | 100000 |
|---|---|
| Lifespan | 25000 h |
| Lumen maintenance at end of service lifetime | 0.70 |

## Colors & materials

| Product color | Transparent |
|---|---|
| Housing color | Transparent |

## Temperatures & operating conditions

| Ambient temperature range | -20…+40 °C |
|---|---|

## Additional product data

| 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 |
| Base (standard designation) | GU10 |

## Capabilities

| | |
|---|---|
| Dimmable | Yes [1] |
| Compatible smart home technology | Google Assistant / Amazon Alexa |

[1] Via App

## Certificates & Standards

| | |
|---|---|
| Energy efficiency class | G [1] |
| Energy consumption | 5.00 kWh/1000h |
| Standards | CE |
| Type of protection | IP20 |

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

## Energy labelling regulation data acc EU 2019/2015

| | |
|---|---|
| Lighting technology used | LED |
| Non-directional or directional | DLS |
| Mains or non-mains | MLS |
| Light source cap-type (or other electric interface) | GU10 |
| Connected light source (CLS) | Yes |
| Color-tuneable light source | Yes |
| Envelope | No |
| High luminance light source | No |
| Anti-glare shield | No |
| Correlated colour temperature type | RANGE |
| Networked standby power for CLS | < 0.5 W |
| Claim of equivalent power | Yes |
| Chromaticity coordinate x | 0.344 |
| Chromaticity coordinate y | 0.347 |
| R9 Colour rendering index | > 0 |
| Beam angle correspondence | NARROW_CONE_90 |
| Survival factor | 0.9 |
| LED light source replaces a fluorescent light source | No |
| EPREL ID | 702576 |
| Model number | AC32828 |

## EQUIPMENT / ACCESSORIES

– Control via app or voice control requires compatible Smart home system

– For control via LEDVANCE SMART+ App, a smartphone or tablet is required (with minimum Android 8.0 or iOS 14.0)

## Safety advice

– Do not touch the lamp if broken.
– Must not be used if outer bulb is defective.

## DOWNLOAD DATA

|  | Documents and certificates | Document name |
|---|---|---|
| PDF | Extended installation guide | SUNATHOME |
| PDF | Legal information | SUN@HOME |
| PDF | Declarations of conformity | SUN@HOME SMART PAR16 CLA CLB WIFI |
| PDF | Declarations of conformity | SUN@HOME SPOT CLASSIC A CLASSIC B |

|  | Photometric and lighting design files | Document name |
|---|---|---|
|  | Spectral power distribution | SUN@HOME CLASSIC A B PAR16 |

## LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4058075575776 | Folding box 1 | 61 mm x 78 mm x 96 mm | 126.90 g | 0.46 dm$^3$ |
| 4058075575783 | Shipping box 4 | 173 mm x 108 mm x 141 mm | 596.60 g | 2.63 dm$^3$ |
| 4058075627048 | Shipping box 32 | 359 mm x 229 mm x 303 mm | 5020.80 g | 24.91 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

– Further information and frequently asked questions (FAQs) at www.ledvance.com/consumer/smart/faq

## DISCLAIMER

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