PRODUCT DATASHEET
SMART ZB PAR16 28 4.9W 220V RGBW GU10

SMART+ Spot GU10 Multicolour | PAR16 Spot with Zigbee technology

Areas of application

- General illumination
- Residential interiors
- Professional (hotels, bars, boutiques etc.)
- Outdoor use in suitable outdoor luminaires only

Product benefits

- Wireless control via app
- Easy to install and use
- Contains no mercury

Product features

- Controllable via compatible smart home system (gateway and app)
- Control via voice control available: Google Assistant or Amazon Alexa, depending on the smart home system in use
- RGB color control, approx. 16 million color options adjustable
- Adjustable light color via Tunable White: Warm White to Cool White (2,700 K...6,500 K)
- Network protocol: ZigBee 3.0
- Dimmable
- Lifetime: up to 20,000 h
- For full functionality connection to a compatible smart home System (gateway and app) required

TECHNICAL DATA

Electrical data

Nominal wattage	4.9 W
Construction wattage	4.90 W
Nominal voltage	220...240 V
Nominal current	38 mA
Mains frequency	50 Hz
Power factor λ	> 0.5
Claimed equiv. conventional lamp power	28 W

Photometrical data

Light color (designation)	RGBW
Lumen main.fact.at end of nom.life time	0.95
Standard deviation of color matching	≤6 sdcm
Nominal luminous flux	300 lm
Luminous flux	300 lm
Luminous efficacy	61 lm/W
Adjustable color temperature	2000...6500 K
Color temperature	2000...6500 K
Color rendering index Ra	80
Flickering metric (Pst LM)	≤1
Stroboscope effect metric (SVM)	≤0.4

Light technical data

Beam angle	100 °
Starting time	< 0.5 s

Dimensions & Weight

Product weight	46.00 g
Diameter	50.00 mm
Maximum diameter	50 mm
Length	56.00 mm
Width	50 mm
Height	50 mm
Outer bulb [PICOS]	PAR51

Lifespan

Number of switching cycles	100000
Lifespan	20000 h

Colors & materials

Product color	Transparent
Housing color	Transparent

Temperatures & operating conditions

Ambient temperature range	-20...40 °C

Additional product data

Base (standard designation)	GU10

Capabilities

Dimmable	Yes
Compatible smart home technology	Amazon Alexa / Google Assistant / Philips Hue

Certificates & Standards

Energy efficiency class	G
Energy consumption	5.00 kWh/1000h
Standards	CE
Type of protection	IP20

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)	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
Standby power	☒ 0.5 W
Networked standby power for CLS	☒ 0.5 W
Claim of equivalent power	Yes
Chromaticity coordinate x	0.4578
Chromaticity coordinate y	0.4101
R9 Colour rendering index	> 0
Beam angle correspondence	SPHERE_360
Survival factor	0.90
LED light source replaces a fluorescent light source	No
EPREL ID	1160677
Model number	AC41291

DOWNLOAD DATA

	Documents and certificates
PDF	Installation guide
PDF	Declarations Of Conformity CE
PDF	Declarations Of Conformity UKCA

	Photometric and lighting design files
	Spectral power distribution

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075729186	Folding box 1	61 mm x 78 mm x 96 mm	127.00 g	0.46 dm³
4058075729193	Shipping box 4	173 mm x 108 mm x 141 mm	597.00 g	2.63 dm³
4058075760219	Shipping box 32	359 mm x 229 mm x 303 mm	5024.00 g	24.91 dm³

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.

DISCLAIMER

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