

# PRODUCT DATASHEET

## Spot Twist 93mm 10W 3000K White Black

LED SPOT RECESS TWIST PRO | Recessed spotlight with LED integrated



### Areas of application

- Indoor applications
- General illumination

### Product benefits

- Energy savings of up to 90 % compared to halogen lamp spotlights
- Easy installation and electrical connection thanks to tool-free electrical connectors

### Product features

- Silicon-pad protected springs



## TECHNICAL DATA

### Electrical data

Nominal wattage	10.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	100.000 mA
Inrush current	< 25 A
Inrush current time $T_{h50}$	10 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	120
Max. number of luminaires per miniature circuit breaker C10	70
Max. number of luminaires per miniature circuit breaker C16	120
Power factor $\lambda$	$\geq 0.5$
Protection class	II
Operating mode	Mains voltage

### Photometrical data

Luminous flux	700 lm
Luminous efficacy	70 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	$\geq 80$
Standard deviation of color matching	$\leq 6$ sdc <sub>m</sub>
Luminous intensity	2200
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0,4
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	30 °

### Dimensions & Weight

Diameter	93.00 mm
Height	94.00 mm
Product weight	210.00 g

## SPOT TWIST 93MM

## Materials &amp; Colors

Product color	White Black
Housing color	White Black
Body material	Aluminum Polycarbonate (PC)
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

## Application &amp; Mounting

Ambient temperature range	-10...+45 °C
Temperature range at storage	-20...+80 °C
Type of connection	Screw terminal, 2-Pole (L,N)
Type of protection	IP20/IP20
Protection class IK (shock resistance)	IK02
Dimmable	No
Mounting type	Recessed
Mounting diameter	85 mm
Mounting depth	100 mm
With light source	Yes
Replaceable light source	No

## Lifespan

Lifespan L70/B50 at 25 °C	30000 h <sup>1)</sup>
Number of switching cycles	15000

<sup>1)</sup> t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

## Control gear

Output current	230 mA
ECG - Length	82 mm
ECG - Width	35 mm
ECG - Height	25 mm

## Certificates &amp; Standards

Standards	CE / UKCA
Luminaire with limited surface temperature, "D sign"	No
Replaceable light source (EPREL)	Not replaceable

#### Additional product data

Number of illuminants	empty
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#### EQUIPMENT / ACCESSORIES

- Connector box not included

#### Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.
- The luminaires are not suitable for covering with thermally insulated material.
- Check wall-ceiling for suitability. If uncertain, seek professional advice.

#### DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	UI Spot Twist
	Declarations of conformity	CE Declaration Spot Twist
	Declarations of conformity UKCA	UKCA Declaration Spot Twist
Photometric and lighting design files		Document name
	IES file (IES)	SPOT TWIST 93MM 10W 830 WT BK
	LDT file (Eulumdat)	SPOT TWIST 93MM 10W 830 WT BK

#### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854089169	Folding box 1	109 mm x 124 mm x 114 mm	261.00 g	1.54 dm <sup>3</sup>

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854089176	Shipping box 20	580 mm x 270 mm x 245 mm	5780.00 g	38.37 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.