

PRODUCT DATASHEET

TR SP ZOOM DIM D85 25 W 3000 K 97R BK

TRACKLIGHT SPOT ZOOM DIM | Dimmable 3-phase tracklight spot with mechanical zoom lens



Areas of application

- Direct replacement for luminaires using HID lamps
- Accent lighting
- Galleries, museums
- Fashion shops, accessories shops
- Shops, changing rooms, shop windows
- Hotels, restaurants, shops

Product benefits

- Dimmable 3-phase tracklight spot with mechanical zoom lens
- Included 3-phase adapter compatible with common tracks (GLOBAL, EUTRAC, POWERGEAR, STAFF, NORLUX, NUCO, NORDIC)
- No distraction of attention from the illuminated objects thanks to reduced design
- Low flicker light thanks to special electronic control gear
- 5 years guarantee

Product features

- Mechanical zoom lens with a beam angle of 15 ° to 55 °
- Dimmable (7% - 100%) via slider potentiometer directly on each luminaire
- Excellent color rendering index Ra: 97
- Color rendering index R_{a9}: > 90
- Initial color consistency: ≤ 4 SDCM
- Rotation angle: 350°, tilt angle: 90°
- Follows the unified LEDVANCE design language (SCALE design)
- Robust die-cast aluminum housing
- Available in matt white (like RAL9016), matt black (like RAL9004)
- Luminaire efficacy: up to 70 lm/W

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TECHNICAL DATA

Electrical data

Nominal wattage	25.00 W
Nominal voltage	100...240 V
Mains frequency	50...60 Hz
Nominal current	120 mA
Inrush current	40 A
Inrush current time T_{h50}	< 50 μ s
Max. number of luminaires per miniature circuit breaker B16	37
Max. number of luminaires per miniature circuit breaker C10	30
Max. number of luminaires per miniature circuit breaker C16	48
Power factor λ	> 0.90
Total harmonic distortion	< 10 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	1500 lm
Luminous efficacy	60 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	97
Standard deviation of color matching	≤ 4 sdc _m
Luminous intensity	-
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62778	RG1
Beam angle	15°... 55°

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Dimensions & Weight

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Diameter	85.00 mm
Length	93.00 mm
Height	265.00 mm
Product weight	1025.00 g

TR SP ZOOM D85

Materials & Colors

Product color	Black
Housing color	Black
Body material	Aluminum
Cover material	Polycarbonate (PC)
Light emitting surface material	Polycarbonate (PC)
Glow Wire Test according to IEC 60695-2-12	850 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-20...+40 °C
Type of connection	Adapter, 3-phase
Type of protection	IP20
Protection class IK (shock resistance)	IK03
Dimmable	Yes
Type of dimming	1-10V
Mounting type	Surface
Mounting location	Mounting track
Application environment	Indoor
Adjustable	Yes
With light source	No

Lifespan

Lifespan L70/B50 at 25 °C	50000 h ¹⁾
Lifespan L80/B10 at 25 °C	35000 h ¹⁾
Lifespan L80/B50 at 25 °C	35000 h
Lifespan L90/B10 at 25 °C	25000 h

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Number of switching cycles	100000
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1) t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

Control gear

ECG - Output voltage	27...42 V
ECG - Output ripple current	< 10 %

Certificates & Standards

Standards	CE / CB / ENEC / TÜV SÜD / EAC / RoHS
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable

Additional product data

BEG subsidy	No
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Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.

DOWNLOAD DATA

	Documents and certificates	Document name
<input type="checkbox"/>	User instruction / safety instructions	TRACKLIGHT SPOT ZOOM D85
<input type="checkbox"/>	Legal information	LS Insert TR SP ZOOM
<input type="checkbox"/>	Legal information	TRACKLIGHT SPOT ZOOM D85
<input type="checkbox"/>	Legal information	Informationstext 18 Abs 4 ElektroG
<input type="checkbox"/>	Declarations of conformity	CE declaration TR SP ZOOM
<input type="checkbox"/>	Declarations of conformity UKCA	TRACK SP

	Photometric and lighting design files	Document name
<input type="checkbox"/>	IES file (IES)	TR SP ZOOM D85 25W 3000K DIM 97R BK 25DEG
<input type="checkbox"/>	LDT file (Eulumdat)	TR SP ZOOM D85 25W3000K DIM 97R BK
<input type="checkbox"/>	ULD file (DIALux)	TR SP ZOOM D85 25W-3000K DIM 97R BK
<input type="checkbox"/>	ROLF file (RELUX)	TR SP ZOOM D85 25W-3000K
<input type="checkbox"/>	UGR file (UGR table)	TR SP ZOOM D85 25W 3000K DIM 97R BK 25DEG
<input type="checkbox"/>	Light distribution curve type cone	TR SP ZOOM D85 25W 3000K DIM 97R BK 25DEG

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Photometric and lighting design files		Document name
<input type="checkbox"/>	Light distribution curve type polar	TR SP ZOOM D85 25W 3000K DIM 97R BK 25DEG

CAD/BIM files		Document name
<input type="checkbox"/>	BIM Revit 3D	TRACKLIGHT SPOT ZOOM
<input type="checkbox"/>	CAD STEP 3D	TR SPOT ZOOM

Tender texts		Document name
<input type="checkbox"/>	Tender documents	TRACKLIGHT SPOT ZOOM DIM D85 25 W 3000 K 97R BK-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075335806	Folding box 1	120 mm x 120 mm x 300 mm	1146.00 g	4.32 dm ³
4058075335813	Shipping box 4	502 mm x 137 mm x 335 mm	4902.00 g	23.04 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.

ADDITIONAL CATALOG INFORMATION

<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	

References / Links

– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

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

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