PRODUCT DATASHEET
TR SP XR V 20W 940 24DEG BK

TRACKLIGHT SPOT XR | 3-phase tracklight spot with exchangeable relfector



VALUE CLASS

Areas of application

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

Product benefits

- Reflector easily replaceable thanks to bayonet catch and rubber suction pad
- No distraction from the illuminated objects thanks to the reduced design
- Low flicker light thanks to special electronic control gear
- Good glare reduction (UGR ≤ 19)

Product features

- Compact tracklight spot with in-track control gear
- Rotation angle: 350°, tilt angle: 90°
- Available with color temperature 3000 K or 4000 K
- Color rendering index CRI 90
- Initial color consistency: ≤ 3 SDCM
- Equipped with reflectors with 24° beam angle
- Durable die-cast aluminum housing
- Available in matt white (like RAL9003), matt black (like RAL9005)
- Luminaire efficacy: up to 120 lm/W

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TECHNICAL DATA

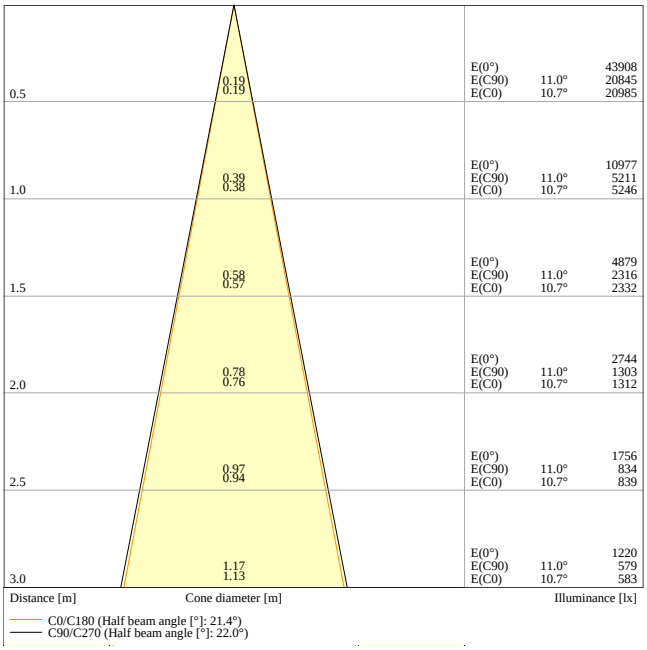
Electrical data

Nominal wattage	20.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	91 mA
Inrush current	0.72 A
Inrush current time T_{h50}	54 µs
Max. number of luminaires per miniature circuit breaker B16	140
Max. number of luminaires per miniature circuit breaker C10	87
Max. number of luminaires per miniature circuit breaker C16	140
Power factor λ	> 0.90
Maximum total harmonic distortion	< 15 %
Protection class	II
Surge capability (L-N)	1000 V
Operating mode	Integrated LED driver

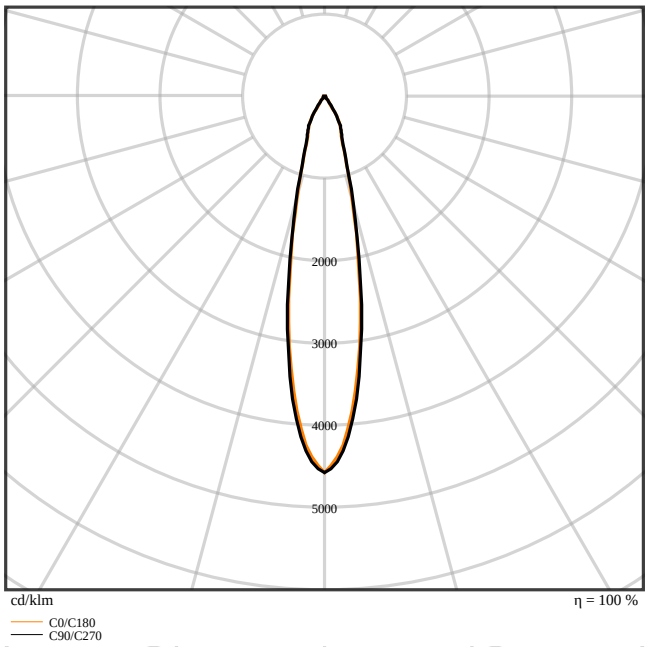
Photometrical data

Luminous flux	2400 lm
Luminous efficacy	120 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 90
Standard deviation of color matching	≤3 sdcm
Luminous intensity	2600 cd
Low flicker	Yes
Flickering metric (Pst LM)	< 1
Stroboscope effect metric (SVM)	< 0.4
Photobiological safety group acc. to EN62778	RG1
Beam angle	24 °
UGR	< 19

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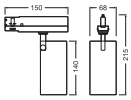
TR SP XR V 20W 940 BK 24D



TR SP XR V 20W 940 BK 24D

Dimensions & Weight

Diameter	68.00 mm
Length	150.00 mm
Height	215.00 mm
Product weight	480.00 g



TR SP XR V 20W 24DEG

Materials & Colors

Product color	Black
Housing color	Black
RAL Color (most similar)	RAL 9005
Body material	Aluminum
Glow Wire Test according to IEC 60695-2-12	650 °C

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Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-20…+40 °C
Temperature range at storage	-20…+80 °C
Type of connection	Adapter, 3-phase
Type of protection	IP20/IP20
Protection class IK (shock resistance)	IK02
Dimmable	No
Mounting type	Surface
Mounting location	Mounting track
Application environment	Indoor
Mechanically adjustable	Yes
With light source	Yes
Replaceable 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	45000 h
Lifespan L90/B10 at 25 °C	25000 h [1)]
Number of switching cycles	25000

1) 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	500 mA
Output ripple current (100 Hz)	< 3 %

Emergency lighting

Type of emergency operation test	None

Certificates & Standards

Standards	CE / ENEC / UKCA / EAC / EPD
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
EPD	LEDV-00065-V01.01-EN
Replaceable light source (EPREL)	Not replaceable

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Accessories Optional

Product image	Product name	EAN
	TR SP REFLECTOR V 20W 15DEG	4099854616785
	TR SP REFLECTOR V 20W 50DEG	4099854616822
	TR SP REFLECTOR V 20W 36DEG	4099854616808

EQUIPMENT / ACCESSORIES

- Accessory reflectors with 15°, 36° or 50° beam angle available

Safety advice

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

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	G11247140 TRACKLIGHT SPOT XR
PDF	Legal information	Safety Insert G11218810
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	LSI G11254552 TRACKLIGHT SPOT XR
PDF	Declarations of conformity	TRACKLIGHT SPOT
PDF	Declarations of conformity UKCA	TRACKLIGHT SPOT
PDF	Certificates	ENEC TR SP XR
PDF	EPD	ENVIRONMENTAL PRODUCT DECLARATION TRACKLIGHT XR DALI

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	Photometric and lighting design files	Document name
	IES file (IES)	TR SP XR V 20W 940 BK 24D
	LDT file (Eulumdat)	TR SP XR V 20W 940 BK 24D
	UGR file (UGR table)	TR SP XR V 20W 940 BK 24D
	Light distribution curve type cone	TR SP XR V 20W 940 BK 24D
	Light distribution curve type polar	TR SP XR V 20W 940 BK 24D

	CAD/BIM files	Document name
	BIM Revit 3D	Tracklight Spot Zoom Dim
	CAD STEP 3D	TL XR V 30W

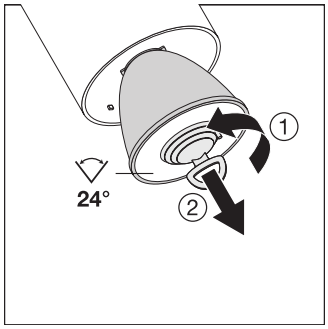
	Tender texts	Document name
	Tender documents	TRACKLIGHT SPOT XR 20W 940 24DEG BK-en

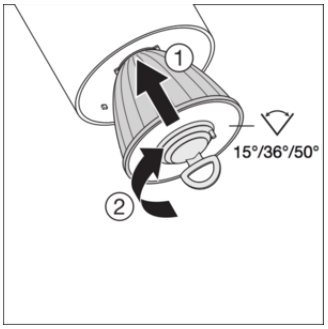
LOGISTICAL DATA

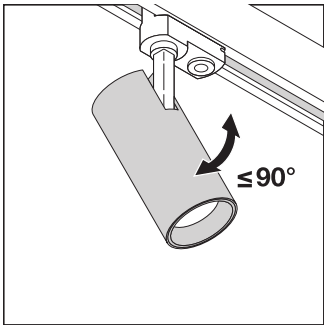
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854616334	Folding box 1	191 mm x 242 mm x 100 mm	626.00 g	4.62 dm^3
4099854616341	Shipping box 4	400 mm x 262 mm x 230 mm	3000.00 g	24.10 dm^3

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.

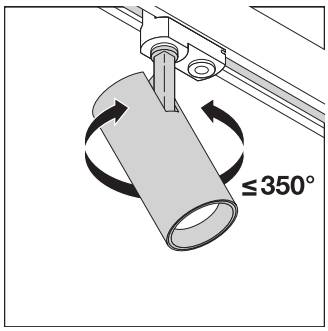
ADDITIONAL CATALOG INFORMATION

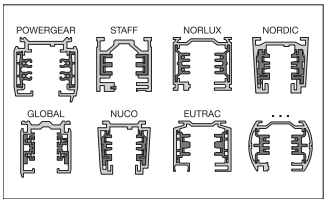






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References / Links

– 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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