

# PRODUCT DATASHEET

## TR SP XR V 20W 940 24DEG WT

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



### 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 ( $UGR \leq 19$ )

### 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:  $\leq 3$  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



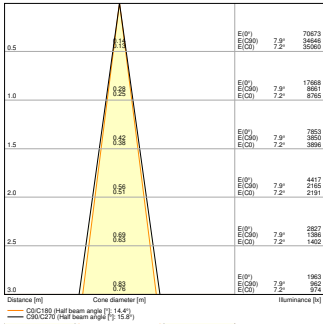
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**TECHNICAL DATA****Electrical data**

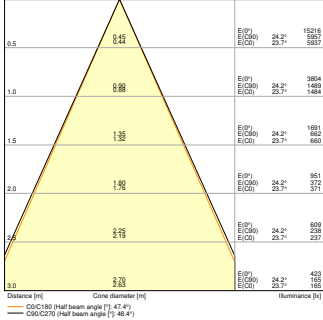
|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| Nominal wattage                                             | 20.00 W               |
| Nominal voltage                                             | 220...240 V           |
| Mains frequency                                             | 50...60 Hz            |
| Nominal current                                             | 500.000 mA            |
| Inrush current                                              | 0.72 A                |
| Inrush current time $T_{h50}$                               | 54 $\mu$ s            |
| 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 $\lambda$                                      | > 0.90                |
| Total harmonic distortion                                   | < 15 %                |
| Protection class                                            | II                    |
| Surge capability (L-N)                                      | 1000 V                |
| Operating mode                                              | Integrated LED driver |

**Photometrical data**

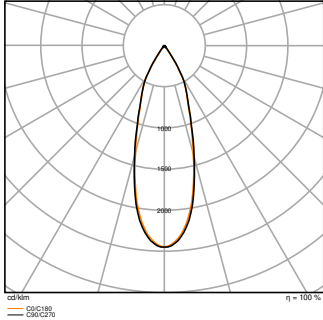
|                                              |                           |
|----------------------------------------------|---------------------------|
| Luminous flux                                | 2400 lm                   |
| Luminous efficacy                            | 120 lm/W                  |
| Color temperature                            | 4000 K                    |
| Light color (designation)                    | Cool White                |
| Color rendering index Ra                     | > 90                      |
| Standard deviation of color matching         | $\leq 3$ sdc <sub>m</sub> |
| 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                                   | 15° / 24° / 36° / 50 °    |
| UGR                                          | < 19                      |



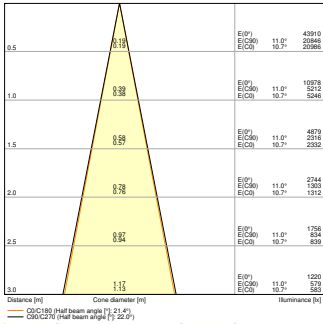
TR SP XR V 20W 940 WT 15D



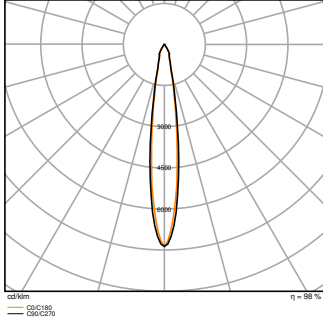
TR SP XR V 20W 940 WT 50D



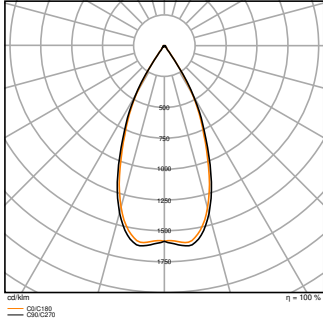
TR SP XR V 20W 940 WT 36D



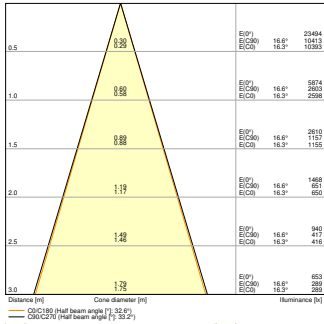
TR SP XR V 20W 940 WT 24D



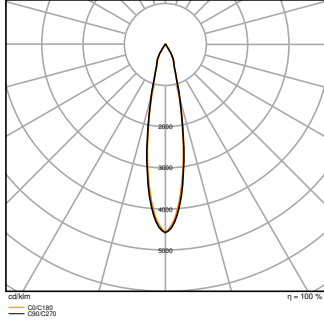
TR SP XR V 20W 940 WT 15D



TR SP XR V 20W 940 WT 50D



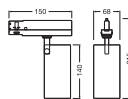
TR SP XR V 20W 940 WT 36D



TR SP XR V 20W 940 WT 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                              | White    |
| Housing color                              | White    |
| Body material                              | Aluminum |
| Glow Wire Test according to IEC 60695-2-12 | 650 °C   |
| 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           |
| Adjustable                             | Yes              |
| With light source                      | Yes              |
| Replaceable light source               | No               |

### Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 50000 h <sup>1)</sup> |
| 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 |
| ECG - Output ripple current | < 3 %  |

### Emergency lighting

|                                  |      |
|----------------------------------|------|
| Type of emergency operation test | None |
|----------------------------------|------|

### Certificates & Standards

|           |                        |
|-----------|------------------------|
| Standards | CE / ENEC / UKCA / EAC |
|-----------|------------------------|

|                                                      |                 |
|------------------------------------------------------|-----------------|
| Luminaire with limited surface temperature, "D sign" | No              |
| Ball shot safe                                       | No              |
| Replaceable light source (EPREL)                     | Not replaceable |

Additional product data

|                |                               |
|----------------|-------------------------------|
| Product remark | Available from September 2025 |
|----------------|-------------------------------|

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                      |
|------------------------------------------------------------------------------------|----------------------------------------|------------------------------------|
|  | User instruction / safety instructions | G11247140 TRACKLIGHT SPOT XR       |
|  | Legal information                      | Safety Insert G11218810            |
|  | Legal information                      | Informationstext 18 Abs 4 ElektroG |

| Documents and certificates                                                          |                                     | Document name             |
|-------------------------------------------------------------------------------------|-------------------------------------|---------------------------|
|    | Declarations of conformity          | TRACKLIGHT SPOT           |
|    | Declarations of conformity UKCA     | TRACKLIGHT SPOT           |
|    | Certificates                        | ENEC TR SP XR             |
| Photometric and lighting design files                                               |                                     | Document name             |
|    | IES file (IES)                      | TR SP XR V 20W 940 WT 15D |
|    | IES file (IES)                      | TR SP XR V 20W 940 WT 24D |
|    | IES file (IES)                      | TR SP XR V 20W 940 WT 36D |
|    | IES file (IES)                      | TR SP XR V 20W 940 WT 50D |
|   | LDT file (Eulumdat)                 | TR SP XR V 20W 940 WT 15D |
|  | LDT file (Eulumdat)                 | TR SP XR V 20W 940 WT 24D |
|  | LDT file (Eulumdat)                 | TR SP XR V 20W 940 WT 36D |
|  | LDT file (Eulumdat)                 | TR SP XR V 20W 940 WT 50D |
|  | UGR file (UGR table)                | TR SP XR V 20W 940 WT 15D |
|  | UGR file (UGR table)                | TR SP XR V 20W 940 WT 24D |
|  | UGR file (UGR table)                | TR SP XR V 20W 940 WT 36D |
|  | UGR file (UGR table)                | TR SP XR V 20W 940 WT 50D |
|  | Light distribution curve type cone  | TR SP XR V 20W 940 WT 15D |
|  | Light distribution curve type cone  | TR SP XR V 20W 940 WT 24D |
|  | Light distribution curve type cone  | TR SP XR V 20W 940 WT 36D |
|  | Light distribution curve type cone  | TR SP XR V 20W 940 WT 50D |
|  | Light distribution curve type polar | TR SP XR V 20W 940 WT 15D |

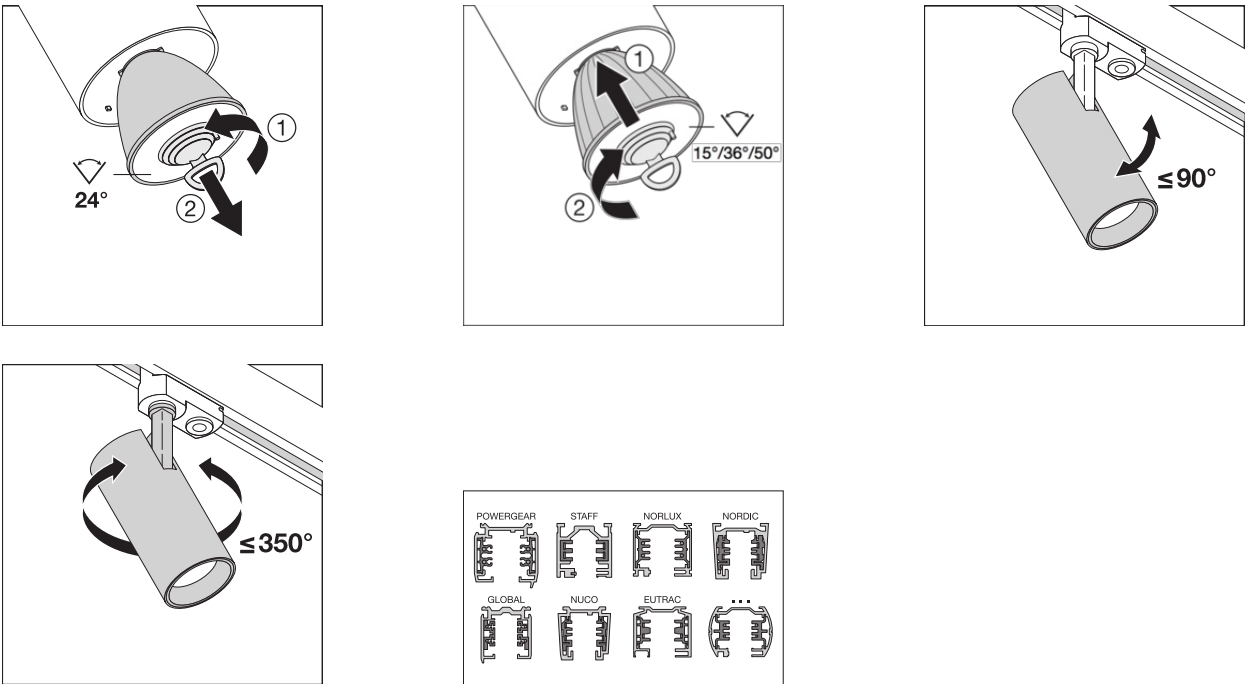
| Photometric and lighting design files                                            |                                     | Document name             |
|----------------------------------------------------------------------------------|-------------------------------------|---------------------------|
|  | Light distribution curve type polar | TR SP XR V 20W 940 WT 24D |
|  | Light distribution curve type polar | TR SP XR V 20W 940 WT 36D |
|  | Light distribution curve type polar | TR SP XR V 20W 940 WT 50D |
| CAD/BIM files                                                                    |                                     | Document name             |
|  | CAD STEP 3D                         | TL XR V 30W               |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4099854616310 | Folding box<br>1             | 191 mm x 242 mm x 100 mm             | 626.00 g     | 4.62 dm³  |
| 4099854616327 | Shipping box<br>4            | 400 mm x 262 mm x 230 mm             | 3000.00 g    | 24.10 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.

ADDITIONAL CATALOG INFORMATION



References / Links

– For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

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