

# PRODUCT DATASHEET

## TR SP XR HE V 30W 930 24DEG BK

TRACKLIGHT SPOT XR HIGH EFFICIENCY | 3-phase tracklight spot with high efficient reflector



### Areas of application

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

### Product benefits

- 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 high efficient reflector and 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:  $< 5$  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 130 lm/W



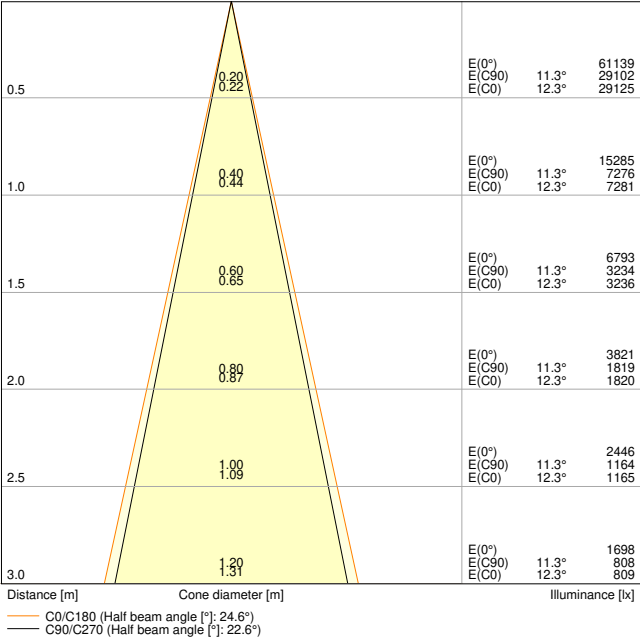
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**TECHNICAL DATA****Electrical data**

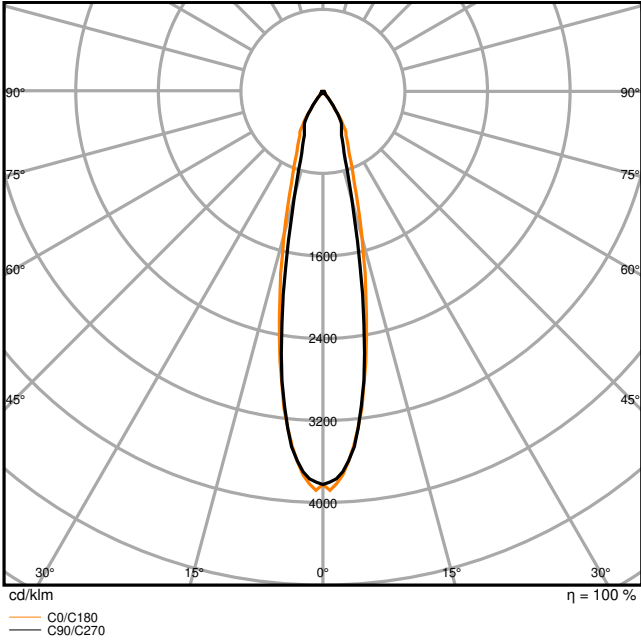
|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| Nominal wattage                                             | 30.00 W               |
| Nominal voltage                                             | 220...240 V           |
| Mains frequency                                             | 50...60 Hz            |
| Nominal current                                             | 136 mA                |
| Inrush current                                              | 0.86 A                |
| Inrush current time $T_{h50}$                               | 62 $\mu$ s            |
| Max. number of luminaires per miniature circuit breaker B16 | 88                    |
| Max. number of luminaires per miniature circuit breaker C10 | 55                    |
| Max. number of luminaires per miniature circuit breaker C16 | 88                    |
| 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                                | 4000 lm                   |
| Luminous efficacy                            | 130 lm/W                  |
| Color temperature                            | 3000 K                    |
| Light color (designation)                    | Warm White                |
| Color rendering index Ra                     | > 90                      |
| Standard deviation of color matching         | $\leq 5$ sdc <sub>m</sub> |
| Luminous intensity                           | 5000 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                                          | < 20                      |



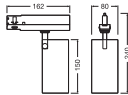
TR SP XR HE V 30W 930 BK



TR SP XR HE V 30W 930 BK

Dimensions & Weight

|                |           |
|----------------|-----------|
| Diameter       | 80.00 mm  |
| Length         | 150.00 mm |
| Height         | 240.00 mm |
| Product weight | 640.00 g  |



TR SP XR HE V 30W 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   |

|                 |        |
|-----------------|--------|
| 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> |
| Lifespan L80/B10 at 25 °C  | 35000 h <sup>1)</sup> |
| Lifespan L80/B50 at 25 °C  | 45000 h               |
| Lifespan L90/B10 at 25 °C  | 25000 h               |
| Number of switching cycles | 25000                 |

<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              | 800 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 |
|----------------|-------------------------------|

## 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 | G11247139 TRACKLIGHT SPOT XR HE     |
|    | Legal information                      | Safety Insert G11218810             |
|    | Legal information                      | Informationstext 18 Abs 4 ElektroG  |
|   | Legal information                      | LSI G11254553 TRACKLIGHT SPOT XR HE |
|  | 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 HE V 30W 930 BK            |
|  | LDT file (Eulumdat)                    | TR SP XR HE V 30W 930 BK            |
|  | UGR file (UGR table)                   | TR SP XR HE V 30W 930 BK            |
|  | Light distribution curve type cone     | TR SP XR HE V 30W 930 BK            |
|  | Light distribution curve type polar    | TR SP XR HE V 30W 930 BK            |
| CAD/BIM files                                                                      |                                        | Document name                       |
|  | BIM Revit 3D                           | Tracklight Spot Zoom Dim            |

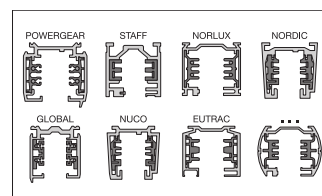
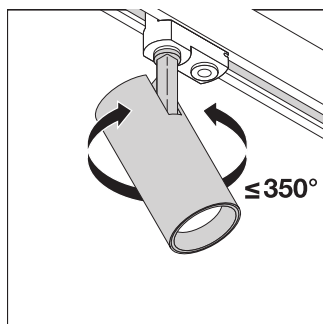
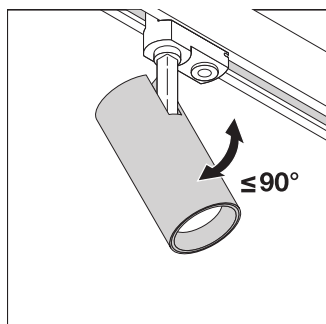
| CAD/BIM files                                                                    |                  | Document name                                          |
|----------------------------------------------------------------------------------|------------------|--------------------------------------------------------|
|  | CAD STEP 3D      | TL XR HE V 30W                                         |
| Tender texts                                                                     |                  | Document name                                          |
|  | Tender documents | TRACKLIGHT SPOT XR HIGH EFFICIENCY 30W 930 24DEG BK-en |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854616464 | Folding box<br>1             | 191 mm x 242 mm x 100 mm             | 786.00 g     | 4.62 dm <sup>3</sup>  |
| 4099854616471 | Shipping box<br>4            | 400 mm x 262 mm x 230 mm             | 3640.00 g    | 24.10 dm <sup>3</sup> |

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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