

# PRODUCT DATASHEET

## TR SP ZOOM DIM P 30W 940 WT

TRACKLIGHT SPOT ZOOM DIM | Dimmable 3-phase tracklight spot with mechanical zoom lense and single CCT



### Areas of application

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

### Product benefits

- Dimmable 3-phase tracklight spot with mechanical zoom lense
- 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

- Mechanical zoom lens with a beam angle of 18° to 50°
- Dimmable (3% - 100%) via potentiometer directly on each luminaire
- Color rendering index CRI 90
- Initial color consistency:  $\leq 3$  SDCM
- Rotation angle: 350°, tilt angle: 90°
- Durable die-cast aluminum housing
- Available in matt white (like RAL9003), matt black (like RAL9005)
- Luminaire efficacy: up to 120 lm/W



## TECHNICAL DATA

### Electrical data

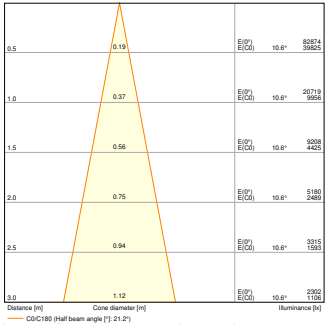
|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| Nominal wattage                                             | 30.00 W               |
| Nominal voltage                                             | 220...240 V           |
| Mains frequency                                             | 50...60 Hz            |
| Nominal current                                             | 750.000 mA            |
| Inrush current                                              | 0.78 A                |
| Inrush current time $T_{h50}$                               | 50 $\mu$ s            |
| Max. number of luminaires per miniature circuit breaker B16 | 94                    |
| Max. number of luminaires per miniature circuit breaker C10 | 58                    |
| Max. number of luminaires per miniature circuit breaker C16 | 94                    |
| Power factor $\lambda$                                      | > 0.90                |
| Total harmonic distortion                                   | < 15 %                |
| Protection class                                            | I                     |
| Surge capability (L-N)                                      | 1000 V                |
| Surge capability (L/N-Ground)                               | 2000 V                |
| Operating mode                                              | Integrated LED driver |

### Photometrical data

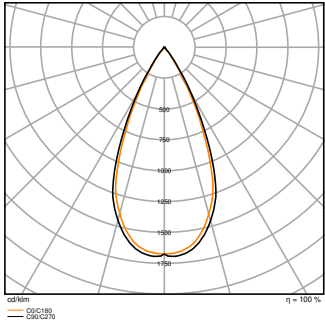
|                                              |                                   |
|----------------------------------------------|-----------------------------------|
| Luminous flux                                | 3600 lm / 3000 lm <sup>1)</sup>   |
| Luminous efficacy                            | 120 lm/W / 100 lm/W <sup>2)</sup> |
| 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                           | 4500 cd                           |
| Low flicker                                  | Yes                               |
| Flickering metric (Pst LM)                   | < 1                               |
| Stroboscope effect metric (SVM)              | < 0.4                             |
| Photobiological safety group acc. to EN62778 | RG1                               |
| Beam angle                                   | 18 °...50 °                       |
| UGR                                          | < 19                              |

1) 3600lm@50°, 3000lm@18°

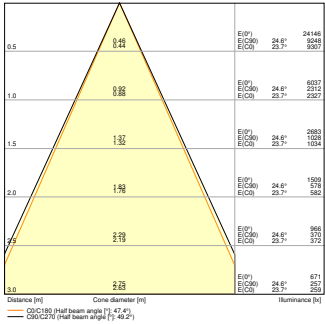
2) 120lm/W@50°, 100lm/W@18°



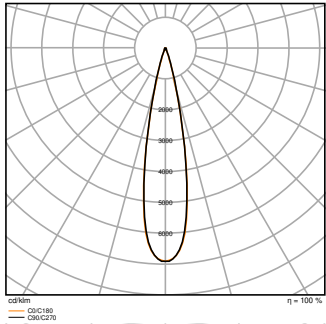
TR SP ZOOM DIM P 30W 940  
WT 18D



TR SP ZOOM DIM P 30W 940  
WT 50D



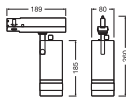
TR SP ZOOM DIM P 30W 940  
WT 50D



TR SP ZOOM DIM P 30W 940  
WT 18D

Dimensions & Weight

|                |           |
|----------------|-----------|
| Diameter       | 80.00 mm  |
| Length         | 189.00 mm |
| Height         | 260.00 mm |
| Product weight | 860.00 g  |



TR SP ZOOM DIM P

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) | IK03             |
| Dimmable                               | Yes              |
| Type of dimming                        | 1-10V            |
| 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              | 750 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.
- Product in protection class I. All electrically conductive, metallic housing parts that can absorb voltage during operation or during maintenance in the event of a fault must be continuously connected to the protective earthing conductor.

### DOWNLOAD DATA

| Documents and certificates                                                         |                                        | Document name                      |
|------------------------------------------------------------------------------------|----------------------------------------|------------------------------------|
|    | User instruction / safety instructions | G11247142 TRACKLIGHT SPOT ZOOM DIM |
|    | Legal information                      | Safety Insert G11218810            |
|  | Legal information                      | Informationstext 18 Abs 4 ElektroG |
|  | Declarations of conformity             | TRACKLIGHT SPOT                    |
|  | Declarations of conformity UKCA        | TRACKLIGHT SPOT                    |
|  | Certificates                           | ENEC TR SP ZOOM                    |
| Photometric and lighting design files                                              |                                        | Document name                      |
|  | IES file (IES)                         | TR SP ZOOM DIM P 30W 940 WT 18D    |
|  | IES file (IES)                         | TR SP ZOOM DIM P 30W 940 WT 50D    |
|  | LDT file (Eulumdat)                    | TR SP ZOOM DIM P 30W 940 WT 18D    |
|  | LDT file (Eulumdat)                    | TR SP ZOOM DIM P 30W 940 WT 50D    |
|  | UGR file (UGR table)                   | TR SP ZOOM DIM P 30W 940 WT 18D    |

| Photometric and lighting design files                                             |                                     | Document name                   |
|-----------------------------------------------------------------------------------|-------------------------------------|---------------------------------|
|  | UGR file (UGR table)                | TR SP ZOOM DIM P 30W 940 WT 50D |
|   | Light distribution curve type cone  | TR SP ZOOM DIM P 30W 940 WT 18D |
|   | Light distribution curve type cone  | TR SP ZOOM DIM P 30W 940 WT 50D |
|   | Light distribution curve type polar | TR SP ZOOM DIM P 30W 940 WT 18D |
|   | Light distribution curve type polar | TR SP ZOOM DIM P 30W 940 WT 50D |

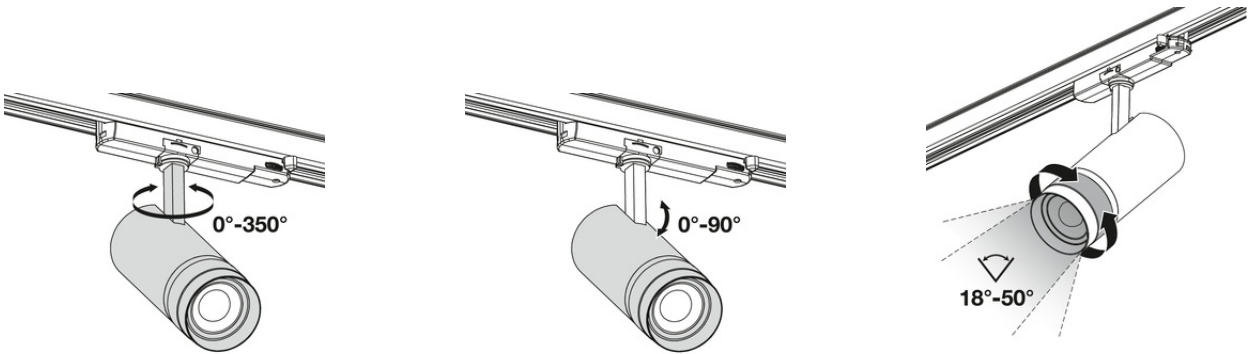
| CAD/BIM files                                                                    |              | Document name            |
|----------------------------------------------------------------------------------|--------------|--------------------------|
|  | BIM Revit 3D | Tracklight Spot Zoom Dim |
|  | CAD STEP 3D  | TL ZOOM DIM 30W          |

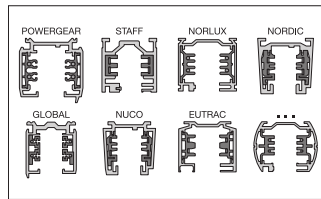
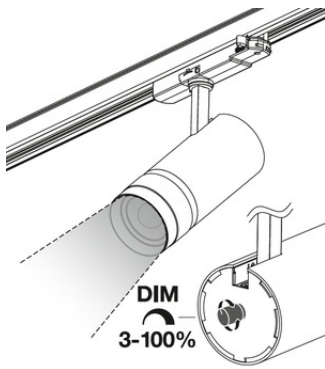
LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4099854616129 | Folding box<br>1             | 211 mm x 247 mm x 100 mm             | 1021.00 g    | 5.21 dm³  |
| 4099854616136 | Shipping box<br>4            | 440 mm x 267 mm x 230 mm             | 4620.00 g    | 27.02 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





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## References / Links

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

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