

PRODUCT DATASHEET

LED TUBE T5 EXTERNAL HO54 P 1149 mm 26W 865

LED TUBE T5 EXTERNAL P | LED TUBE T5 EXTERNAL for LED DRIVER EXTERNAL



Areas of application

- Industrial lighting (e.g. manufacturing plants, logistic centers, warehouses)
- Linear lighting for office, education, storage areas and retail
- Shops, supermarkets

Product benefits

- Simple upgrade to dimmable LED system
- Hassle free application, no ballast compatibility check necessary
- Suitable for emergency lighting (self-contained battery pack)
- Shatter protection thanks to special PET coating
- No bending thanks to glass tube
- 5 years guarantee

Product features

- Designed to power only with LED DRIVER LED TUBE EXTERNAL DALI
- Lamp tube made of glass with splinter protection
- Quality dimming of 1...100 %
- High resistance to switching loads
- Suitable for ambient temperatures from -20...+50 °C



TECHNICAL DATA

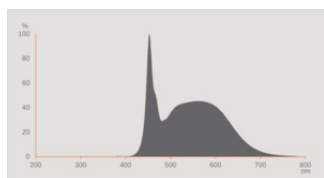
Electrical data

| | |
|---------------------------|-------------------|
| Nominal wattage | 26 W |
| Construction wattage | 26.00 W |
| Nominal voltage | 42 V |
| Operating mode | EXT ¹⁾ |
| Nominal current | 600 mA |
| Type of current | DC |
| Operating frequency | 0 Hz |
| Mains frequency | 0 Hz |
| Total harmonic distortion | < 20 % |
| Power factor λ | 0.90 |

¹⁾ Designed to power with LEDVANCE LED DRIVER LED TUBE EXTERNAL DALI P

Photometrical data

| | |
|---|---------------|
| Luminous flux | 4000 lm |
| Luminous efficacy | 154 lm/W |
| Lumen main.fact.at end of nom.life time | 0.70 |
| Light color (designation) | Cool Daylight |
| Color temperature | 6500 K |
| Color rendering index Ra | 80 |
| Light color | 865 |
| Standard deviation of color matching | ≤5 sdcn |
| Rated LLMF at 6,000 h | 0.80 |
| Flickering metric (Pst LM) | <1 |
| Stroboscope effect metric (SVM) | <0,4 |



EPREL data spectral diagram PROF LEDr 6500K

Light technical data

| | |
|---------------------|----------|
| Beam angle | 180 ° |
| Warm-up time (60 %) | < 2.00 s |
| Starting time | < 1.0 s |

Dimensions & Weight



| | |
|---|------------|
| Overall length | 1163.00 mm |
| Length with base excl. base pins/connection | 1149.00 mm |
| Diameter | 17.00 mm |
| Tube diameter | 15.7 mm |
| Maximum diameter | 17 mm |
| Product weight | 130.00 g |

Temperatures & operating conditions

| | |
|--------------------------------------|--------------|
| Ambient temperature range | -20...+50 °C |
| Maximum temperature at tc test point | 75 °C |
| Performance temp. acc. to IEC 62717 | |

Lifespan

| | |
|--|---------|
| Lifespan L70/B50 at 25 °C | 50000 h |
| Number of switching cycles | 200000 |
| Lumen maintenance at end of service lifetime | 0.70 |
| Rated lamp survival factor at 6,000 h | ≥ 0.90 |

Additional product data

| | |
|-----------------------------|--|
| Base (standard designation) | G5 |
| Mercury content | 0.0 mg |
| Mercury-free | Yes |
| Product remark | Single sided LED TUBE (one-sided DC input) complying with safety requirement acc. IEC 62776:2014. Safety protection against electrical shock in misuse (ECG/CCG/Mains operation). |

Capabilities

| | |
|----------|-----|
| Dimmable | Yes |
|----------|-----|

Certificates & Standards

| | |
|--|-----------------|
| Energy efficiency class | D ¹⁾ |
| Energy consumption | 26.00 kWh/1000h |
| Type of protection | IP20 |
| Standards | CE / UKCA |
| Photobiological safety group acc. to EN62778 | RG0 |

¹⁾ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

Country-specific categorizations

| | |
|-----------------|----------------|
| Order reference | LEDTUBE T5 EXT |
|-----------------|----------------|

LOGISTICAL DATA

| | |
|------------------------------|--------------|
| Temperature range at storage | -20...+80 °C |
|------------------------------|--------------|

Energy labelling regulation data acc EU 2019/2015




| | |
|---|--------------|
| Lighting technology used | LED |
| Non-directional or directional | NDLS |
| Mains or non-mains | NMLS |
| Light source cap-type (or other electric interface) | G5 |
| Connected light source (CLS) | No |
| Color-tuneable light source | No |
| Envelope | No |
| High luminance light source | No |
| Anti-glare shield | No |
| Correlated colour temperature type | SINGLE_VALUE |
| Standby power | 0 W |
| Claim of equivalent power | No |
| Length | 1163.00 mm |
| Height | 17.00 mm |
| Width | 17.00 mm |
| Chromaticity coordinate x | 0,312 |
| Chromaticity coordinate y | 0,328 |
| R9 Colour rendering index | 0.00 |
| Beam angle correspondence | SPHERE_360 |
| Survival factor | 0,90 |






| | |
|--|---------|
| Displacement factor | 0,90 |
| LED light source replaces a fluorescent light source | No |
| EPREL ID | 1161820 |
| Model number | AC39947 |

Safety advice

- Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.
- The operating temperature range of LED tube is restricted. In case of doubt regarding suitability of the application please measure Tc max temperature on the product prior to installation.
- LED TUBE T5 EXTERNAL HO80 cannot be operated with 2-channel driver

DOWNLOAD DATA

| Documents and certificates | | Document name |
|--|---------------------------------|-----------------------|
|  | User Instruction | LEDTUBE EXT T5/T8 |
|  | Declarations of conformity | LEDTUBE T5 and T8 |
|  | Declarations Of Conformity UKCA | LEDTUBE T5 and T8 EXT |

| Photometric and lighting design files | | Document name |
|--|-----------------------------|---|
|  | IES file (IES) | LEDTUBE T5 EXT P HO54 1149 26W |
|  | LDT file (Eulumdat) | LEDTUBE T5 EXT P HO54 1149 26W |
|  | UGR file (UGR table) | LEDTUBE T5 EXT P HO54 1149 26W |
|  | LDC typ polar | LEDTUBE T5 EXT P HO54 1149 26W |
|  | Spectral power distribution | EPREL data spectral diagram PROF LEDr 6500K |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075730496 | Sleeve 1 | 1,165 mm x 20 mm x 20 mm | 148.00 g | 0.47 dm ³ |

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075730502 | Shipping box 25 | 1,218 mm x 153 mm x 155 mm | 4471.00 g | 28.88 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.

References / Links

– For current information see www.ledvance.com/ledtube

DISCLAIMER

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