

# PRODUCT DATASHEET LED TUBE T5 EXT HO54 P 26 W/6500 K 1149.00 mm

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
- Suitable for indoor SELV installations
- General illumination within ambient temperatures from -20...+50 °C

### **Product benefits**

- Compatible with LEDVANCE DRIVER LED TUBE DALI EXTERNAL
- Shatter protection thanks to special PET coating
- No bending thanks to glass tube
- Very high resistance to switching loads
- Five year guarantee

#### **Product features**

- Designed to power only with LEDVANCE Driver LED TUBE EXTERNAL
- Mercury-free and RoHS compliant





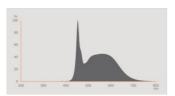
# **TECHNICAL DATA**

# Electrical data

Nominal wattage	26 W
Construction wattage	26.00 W
Nominal voltage	42 V
Claimed equiv. conventional lamp power	54 W
Nominal current	600 mA
Type of current	DC
Inrush current	4.42 A
Operating frequency	0 Hz
Mains frequency	0 Hz
Total harmonic distortion	< 20 %
Power factor λ	0.90

# Photometrical data

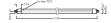
Luminous flux	4000 lm
Luminous efficacy	154 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool Daylight
Color temperature	6500 K
Color rendering index Ra	80
Light color	865
Standard deviation of color matching	≤5 sdcm
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)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



# Light technical data

Beam angle	180 °
Warm-up time (60 %)	< 2.00 s
Starting time	< 1.0 s
Rated beam angle (half peak value)	180.00 °

# **Dimensions & Weight**



Overall length	1149.00 mm
Diameter	17.00 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 ℃

# Lifespan

Lifespan	50000 h
Number of switching cycles	200000
Lumen maintenance at end of serv	0.70
Rated lamp survival factor at 6,000	≥ 0.90

# Additional product data

Base (standard designation)	G5
Mercury content	0.0 mg
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)	)
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Energy consumption	26.00 kWh/1000h
Type of protection	IP20
Standards	CE
Photobiological safety group acc. to EN62778	RG0

 $<sup>1) \ {\</sup>sf Energy \ efficiency \ class \ (EEC) \ on \ a \ scale \ of \ A \ (highest \ efficiency) \ to \ G \ (lowest \ efficiency)}$ 

# **Country-specific categorizations**

Temperature range at storage -20+80 °C	Country-specific categorizations	
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  Laim of equivalent power No  Length Height 17.00 mm  Width 17.00 mm  Width 17.00 mm  Chromaticity coordinate x 0,312  Chromaticity coordinate y R9 Colour rendering index Beam angle correspondence SPHERE_360  Survival factor 0,90  Displacement factor No  LED LED  LED LED LED LED LED LED LED LED LED LED	Order reference	LEDTUBE T5 EXT
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 Length Height 1149.00 mm Height 17.00 mm Width 17.00 mm Width 17.00 mm Chromaticity coordinate x 0,312 Chromaticity coordinate y R9 Colour rendering index Beam angle correspondence SPHERE_360 Survival factor 0,90 Displacement factor LED LED NDLS NDLE LED NO LED	LOGISTICAL DATA	
LED  Non-directional or directional  Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)  Connected light source (CLS)  No  Color-tuneable light source  Envelope  No  High luminance light source  No  Correlated colour temperature type  SINGLE_VALUE  Claim of equivalent power  Length  Height  17.00 mm  Width  17.00 mm  Width  17.00 mm  Chromaticity coordinate x  O,312  Chromaticity coordinate y  R9 Colour rendering index  Beam angle correspondence  Survival factor  Displacement factor  LED Light source replaces a fluorescent light source  FREL ID  Light source replaces a fluorescent light source  FREL ID	Temperature range at storage	-20+80 °C
Non-directional or directional     NDLS       Mains or non-mains     NMLS       Light source cap-type (or other electric interface)     65       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       Claim of equivalent power     No       Length     1149.00 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	Energy labelling regulation data acc EU 2019/2015	
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Light source cap-type (or other electric interface)  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  Claim of equivalent power  No  Length  Height  1149.00 mm  Width  17.00 mm  Width  17.00 mm  Chromaticity coordinate x  0,312  Chromaticity coordinate y  R9 Colour rendering index  Beam angle correspondence  SPHERE_360  Survival factor  0,90  Displacement factor  LED light source replaces a fluorescent light source  No  EPREL ID  No	Non-directional or directional	NDLS
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         Claim of equivalent power       No         Length       1149.00 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	Mains or non-mains	NMLS
Color-tuneable light source Envelope No High Luminance Light source No Anti-glare shield No Correlated colour temperature type SINGLE_VALUE Claim of equivalent power No Length 1149.00 mm Height 17.00 mm Width 17.00 mm Chromaticity coordinate x 0,312 Chromaticity coordinate y R9 Colour rendering index 0.00 Beam angle correspondence SPHERE_360 Survival factor 0,90 Displacement factor Unyone LED light source replaces a fluorescent light source EPREL ID No	Light source cap-type (or other electric interface)	G5
Envelope No High luminance light source No Anti-glare shield No Correlated colour temperature type SINGLE_VALUE Claim of equivalent power No Length 1149.00 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 PREL ID 1161820	Connected light source (CLS)	No
High luminance light source  Anti-glare shield  No  Correlated colour temperature type  SINGLE_VALUE  Claim of equivalent power  No  Length  1149.00 mm  Height  17.00 mm  Width  17.00 mm  Chromaticity coordinate x  0,312  Chromaticity coordinate y  R9 Colour rendering index  0.00  Beam angle correspondence  SPHERE_360  Survival factor  0,90  LED light source replaces a fluorescent light source  EPREL ID  No	Color-tuneable light source	No
Anti-glare shield Correlated colour temperature type SINGLE_VALUE Claim of equivalent power No Length 1149.00 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 U,90 LED light source replaces a fluorescent light source EPREL ID 1161820	Envelope	No
Correlated colour temperature type  Claim of equivalent power  No  Length  1149.00 mm  Height  17.00 mm  Width  17.00 mm  Chromaticity coordinate x  0,312  Chromaticity coordinate y  R9 Colour rendering index  Beam angle correspondence  SPHERE_360  Survival factor  0,90  LED light source replaces a fluorescent light source  EPREL ID  SINGLE_VALUE  No	High luminance light source	No
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Length1149.00 mmHeight17.00 mmWidth17.00 mmChromaticity coordinate x0,312Chromaticity coordinate y0,328R9 Colour rendering index0.00Beam angle correspondenceSPHERE_360Survival factor0,90Displacement factor0,90LED light source replaces a fluorescent light sourceNoEPREL ID1161820	Correlated colour temperature type	SINGLE_VALUE
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	Claim of equivalent power	No
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	Length	1149.00 mm
Chromaticity coordinate x  Chromaticity coordinate y  0,312  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  EPREL ID  1161820	Height	17.00 mm
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	Width	17.00 mm
R9 Colour rendering index  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	Chromaticity coordinate x	0,312
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	Chromaticity coordinate y	0,328
Survival factor 0,90  Displacement factor 0,90  LED light source replaces a fluorescent light source No  EPREL ID 1161820	R9 Colour rendering index	0.00
Displacement factor 0,90  LED light source replaces a fluorescent light source No  EPREL ID 1161820	Beam angle correspondence	SPHERE_360
LED light source replaces a fluorescent light source  No  1161820	Survival factor	0,90
EPREL ID 1161820	Displacement factor	0,90
	LED light source replaces a fluorescent light source	No
Model number AC39947	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.

#### **DOWNLOAD DATA**

	DOWNLOAD DATA
POF	User instruction
	IES file (IES)
	LDT file (Eulumdat)
	UGR file (UGR table)

#### **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 dm³
4058075730502	Shipping box 25	1,218 mm x 153 mm x 155 mm	4471.00 g	28.88 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.

## **DISCLAIMER**

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