

PRODUCT DATASHEET LED TUBE T5 EXTERNAL HE14 P 549 mm 7.3W 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



7.3W 865



TECHNICAL DATA

Electrical data

Nominal wattage	7.3 W
Construction wattage	7.30 W
Nominal voltage	21 V
Operating mode	EXT 1)
Nominal current	350 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 ${\sf P}$

Photometrical data

Luminous flux	1100 lm
Luminous efficacy	150 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



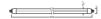
EPREL data spectral diagram PROF LEDr 6500K

7.3W 865

Light technical data

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

Dimensions & Weight



Overall length	563.00 mm
Length with base excl. base pins/connection	549.00 mm
Diameter	17.00 mm
Tube diameter	15.7 mm
Maximum diameter	17 mm
Product weight	180.00 g

Temperatures & operating conditions

Ambient temperature range	-20+50 °C
Maximum temperature at to test point	75 °C

Lifespan

Lifespan L70/B50 at 25 °C	75000 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	8.00 kWh/1000h

Energy consumption 8.00 kWh/1000h

Type of protection IP20

Standards CE / UKCA

Photobiological safety group acc. to EN62778 RG0

Country-specific categorizations

Order reference

LOGISTICAL DATA	
Temperature range at storage	-20+80 °C

LEDTUBE T5 EXT

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	563.00 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

7.3W 865

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

Survival factor	0,90
Displacement factor	0,90
LED light source replaces a fluorescent light source	No
EPREL ID	1939313
Model number	AC59112

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
PDF	User Instruction	LEDTUBE EXT P User instruction LEDV
	Photometric and lighting design files	Document name
	IES file (IES)	LEDTUBE T5 EXT HE14 P 549 7.3W 865 LEDV
	LDT file (Eulumdat)	LEDTUBE T5 EXT HE14 P 549 7.3W 865 LEDV
	UGR file (UGR table)	LEDTUBE T5 EXT HE14 P 549 7.3W 865 LEDV
	LDC typ polar	LEDTUBE T5 EXT HE14 P 549 7.3W 865 LEDV
	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
4099854294129	Sleeve 1	1,465 mm x 20 mm x 20 mm	199.00 g	0.59 dm ³
4099854294136	Shipping box 25	619 mm x 159 mm x 178 mm	6028.00 g	17.52 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.