

PRODUCT DATASHEET LED TUBE T5 EXTERNAL HO80 1449 mm 37W 865

LED TUBE T5 EXTERNAL | 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
- 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 $^{\circ}\text{C}$



37W 865



TECHNICAL DATA

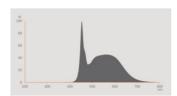
Electrical data

Nominal wattage	37 W
Construction wattage	37.00 W
Nominal voltage	42 V
Operating mode	EXT 1)
Nominal current	860 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 $\ensuremath{\mathsf{P}}$

Photometrical data

Luminous flux	5600 lm
Luminous efficacy	151 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

Light technical data

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

Dimensions & Weight



Overall length	1463.00 mm
Length with base excl. base pins/connection	1449.00 mm
Diameter	17.00 mm
Product weight	143.00 g

Temperatures & operating conditions

Ambient temperature range	-20+50 °C ¹⁾
Maximum temperature at tc test point	75 °C
Performance temp. acc. to IEC 62717	

¹⁾ Temperature surrounding the lamp - for enclosed luminaires: temperature inside of the luminaire

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	37.00 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	1463.00 mm
Height	17.00 mm
Width	17.00 mm
Chromaticity coordinate x	0,312
Chromaticity coordinate y	0,328
R9 Colour rendering index	1
Beam angle correspondence	SPHERE_360
Survival factor	0,90

Displacement factor	0,90
LED light source replaces a fluorescent light source	No
EPREL ID	1161822
Model number	AC39943,AC39943

Accessories Mandatory

Product image	Product name	EAN
4	DR EXTERNAL DALI -1X15-37W 220-240	4058075730632
	DR EXTERNAL DALI -1X7-37W 220-240	4099854295157

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 temperature on the product prior to installation.
- LED TUBE T5 EXTERNAL HO80 cannot be operated with 2-channel driver.
- All electrical connections must be made by a qualified person.
- Disconnect mains before installation.

DOWNLOAD DATA

	Documents and certificates	Document name	
PDF	User instruction / safety instructions	LEDTUBE EXT P User instruction LEDV	
PDF	Legal information	Informationstext 18 Abs 4 ElektroG	
PDF	Declarations of conformity	LEDTUBE T5 EXT P HO80 1449 37W	
PDF	Declarations of conformity UKCA	LEDTUBE T5	
	Photometric and lighting design files	Document name	

Photometric and lighting design files	Document name
IES file (IES)	LEDTUBE T5 EXT P HO80 1449 37W
LDT file (Eulumdat)	LEDTUBE T5 EXT P HO80 1449 37W
UGR file (UGR table)	LEDTUBE T5 EXT P HO80 1449 37W
Light distribution curve type polar	LEDTUBE T5 EXT P HO80 1449 37W
Spectral power distribution	EPREL data spectral diagram PROF LEDr 6500K

Tender texts	Document name
Tender documents	LED TUBE T5 EXTERNAL P 1449 mm 37W 865-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075730397	Sleeve 1	1,465 mm x 20 mm x 20 mm	165.00 g	0.59 dm ³
4058075730403	Shipping box 25	1,522 mm x 152 mm x 175 mm	5450.00 g	40.49 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.