

# PRODUCT DATASHEET LED TUBE T5 AC HO54 PERFORMANCE 1149 mm 26W 865

LED TUBE T5 AC MAINS PERFORMANCE | LED tubes for operation on AC mains



#### Areas of application

- General illumination within ambient temperatures from -20...+45  $^{\circ}\text{C}$
- Offices, public buildings
- Supermarkets and department stores
- Industry

#### Product benefits

- No bending thanks to glass technology
- Shatter protection thanks to special PET coating
- High luminous flux for sophisticated lighting tasks

#### Product features

- LED replacement for T5 fluorescent lamps with G5 base on AC mains
- Lamp tube made of glass with splinter protection e.g. for food industry applications
- High color consistency:  $\leq 5$  sdcm
- Lifetime up to 50,000 h
- Low flicker according to EU 2019-2020 (SVM  $\leq$  0.4 / PstLM  $\leq$  1)
- Type of protection: IP20





## TECHNICAL DATA

# Electrical data

Nominal wattage	26 W
Construction wattage	26.00 W
Nominal voltage	220240 V
Operating mode	AC Mains
Nominal current	116 mA
Type of current	AC
Inrush current	16 A
Suitable for DC input	Yes
Input voltage DC	186260 V <sup>1)</sup>
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	20
Max. lamp number on MCB B16 A	26
Total harmonic distortion	20 %
Power factor $\lambda$	> 0.90

<sup>1)</sup> Permitted voltage range

# Photometrical data

Luminous flux	4000 lm
Luminous efficacy	153 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	190 °
Warm-up time (60 %)	< 2.00 s
Starting time	< 0.5 s

## Dimensions & Weight



Overall length	1163.00 mm
Length with base excl. base pins/connection	1149.00 mm
Diameter	19.00 mm
Product weight	170.00 g

# Temperatures & operating conditions

Ambient temperature range	-20+45 °C <sup>1)</sup>
Maximum temperature at tc test point	71 °C
Performance temp. acc. to IEC 62717	62 °C <sup>2)</sup>

<sup>1)</sup> Temperature surrounding the lamp - for enclosed luminaires: temperature inside of the luminaire

## Lifespan

Lifespan L70/B50 at 25 °C	50000 h
Lifespan L80/B50 at 25 °C	50000 h
Number of switching cycles	200000

<sup>2)</sup> Tp rated. Tp point coincides with Tc point - marked on device  $\,$ 

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	

# Capabilities

Design / version

Dimmable	No

Frosted

#### Certificates & Standards

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

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

## Country-specific categorizations

Order reference	LEDTUBE T5 AC H

## 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	MLS
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
Networked standby power for CLS	0 W
Claim of equivalent power	No
Length	1163.00 mm
Height	19.00 mm
Width	19.00 mm
Chromaticity coordinate x	0.312
Chromaticity coordinate y	0.328
R9 Colour rendering index	1
Beam angle correspondence	SPHERE_360
Survival factor	0.9
Displacement factor	0.90
LED light source replaces a fluorescent light source	No
EPREL ID	1408614,2209904
Model number	AC46708,AC71255

#### Safety advice

- Not suitable for operation with electronic control gear.
- 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.
- After rewiring of a luminaire the installer will be responsible for all technical and safety consequences.
- All electrical connections must be made by a qualified person.
- Disconnect mains before installation.
- Lamp not suitable for emergency operation.

#### DOWNLOAD DATA

	Documents and certificates	Document name	
POF	User instruction / safety instructions	LED TUBE T5 AC MAINS	
POF	Extended installation guide	Installation instructions LED TUBE T8, T5 und DULUX LED 2024 10 EN	
POF	Extended installation guide	LEDVANCE Luminaire conversion checklist	
POF	Legal information	Informationstext 18 Abs 4 ElektroG	
POF	Declarations of conformity	LED TUBE T5 AC	

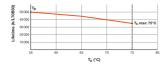
Declarations of conformity  LEDTUBE  Declarations of conformity UKCA  LED TUBE T5 AC  Photometric and lighting design files  Photometric and lighting design files  Document name  ES file (IES)  LEDTUBE T5 AC H054 P 1149 26W 865 LEDV  LDT file (Eulumdat)  LEDTUBE T5 AC H054 P 1149 26W 865 LEDV  LDT file (UGR table)  LEDTUBE T5 AC H054 P 1149 26W 865 LEDV  LEDTUBE T5 AC H054 P 1149 26W 865 LEDV  LEDTUBE T5 AC H054 P 1149 26W 865 LEDV  EPREL data spectral diagram PROF LEDT 6500K  Tender texts  Document name		Documents and certificates	Document name	
Declarations of conformity UKCA  LED TUBE T5 AC  Photometric and lighting design files  Document name  IES file (IES)  LEDTUBE T5 AC HO54 P 1149 26W 865 LEDV  LDT file (Eulumdat)  LEDTUBE T5 AC HO54 P 1149 26W 865 LEDV  UGR file (UGR table)  LEDTUBE T5 AC HO54 P 1149 26W 865 LEDV  Light distribution curve type polar  LEDTUBE T5 AC HO54 P 1149 26W 865 LEDV  EDTUBE T5 AC HO54 P 1149 26W 865 LEDV  EPREL data spectral diagram PROF LEDr 6500K		2004110110 42.0 00141104100	2000.10.11.10.10	
Declarations of conformity UKCA  LED TUBE T5 AC  Photometric and lighting design files  Document name  IES file (IES)  LEDTUBE T5 AC HO54 P 1149 26W 865 LEDV  LDT file (Eulumdat)  LEDTUBE T5 AC HO54 P 1149 26W 865 LEDV  UGR file (UGR table)  LEDTUBE T5 AC HO54 P 1149 26W 865 LEDV  Light distribution curve type polar  LEDTUBE T5 AC HO54 P 1149 26W 865 LEDV  EDTUBE T5 AC HO54 P 1149 26W 865 LEDV  EPREL data spectral diagram PROF LEDr 6500K				
Photometric and lighting design files  Photometric and lighting design files  Document name  LEDTUBE T5 AC H054 P 1149 26W 865 LEDV  LDT file (Eulumdat)  LEDTUBE T5 AC H054 P 1149 26W 865 LEDV  UGR file (UGR table)  LEDTUBE T5 AC H054 P 1149 26W 865 LEDV  Light distribution curve type polar  LEDTUBE T5 AC H054 P 1149 26W 865 LEDV  Photometric and lighting design files  LEDTUBE T5 AC H054 P 1149 26W 865 LEDV  LEDTUBE T5 AC H054 P 1149 26W 865 LEDV  Photometric and lighting design files  LEDTUBE T5 AC H054 P 1149 26W 865 LEDV  Photometric and lighting design files  LEDTUBE T5 AC H054 P 1149 26W 865 LEDV  Photometric and lighting design files  LEDTUBE T5 AC H054 P 1149 26W 865 LEDV  Photometric and lighting design files  LEDTUBE T5 AC H054 P 1149 26W 865 LEDV  Photometric and lighting design files  LEDTUBE T5 AC H054 P 1149 26W 865 LEDV  Photometric and lighting design files  LEDTUBE T5 AC H054 P 1149 26W 865 LEDV  Photometric and lighting design files  LEDTUBE T5 AC H054 P 1149 26W 865 LEDV  Photometric and lighting design files  LEDTUBE T5 AC H054 P 1149 26W 865 LEDV  Photometric and lighting design files  LEDTUBE T5 AC H054 P 1149 26W 865 LEDV  Photometric and lighting design files  LEDTUBE T5 AC H054 P 1149 26W 865 LEDV  Photometric and lighting design files  LEDTUBE T5 AC H054 P 1149 26W 865 LEDV  Photometric and lighting design files  LEDTUBE T5 AC H054 P 1149 26W 865 LEDV	PDF	Declarations of conformity	LEDTUBE	
Photometric and lighting design files  Document name  LEDTUBE T5 AC HO54 P 1149 26W 865 LEDV  LDT file (Eulumdat)  LEDTUBE T5 AC HO54 P 1149 26W 865 LEDV  UGR file (UGR table)  LEDTUBE T5 AC HO54 P 1149 26W 865 LEDV  Light distribution curve type polar  LEDTUBE T5 AC HO54 P 1149 26W 865 LEDV  Prediction of the companies of the	PDF	Declarations of conformity UKCA	LED TUBE T5 AC	
LEDTUBE T5 AC HO54 P 1149 26W 865 LEDV  LDT file (Eulumdat)  LEDTUBE T5 AC HO54 P 1149 26W 865 LEDV  UGR file (UGR table)  LEDTUBE T5 AC HO54 P 1149 26W 865 LEDV  Light distribution curve type polar  LEDTUBE T5 AC HO54 P 1149 26W 865 LEDV  Spectral power distribution  EPREL data spectral diagram PROF LEDr 6500K	PDF	Declarations of conformity UKCA	LEDTUBE	
LDT file (Eulumdat)  LEDTUBE T5 AC HO54 P 1149 26W 865 LEDV  UGR file (UGR table)  LEDTUBE T5 AC HO54 P 1149 26W 865 LEDV  Light distribution curve type polar  LEDTUBE T5 AC HO54 P 1149 26W 865 LEDV  Spectral power distribution  EPREL data spectral diagram PROF LEDr 6500K  Tender texts  Document name		Photometric and lighting design files	Document name	
UGR file (UGR table)  LEDTUBE T5 AC HO54 P 1149 26W 865 LEDV  Light distribution curve type polar  LEDTUBE T5 AC HO54 P 1149 26W 865 LEDV  Spectral power distribution  EPREL data spectral diagram PROF LEDr 6500K  Tender texts  Document name		IES file (IES)	LEDTUBE T5 AC HO54 P 1149 26W 865 LEDV	
Light distribution curve type polar  LEDTUBE T5 AC HO54 P 1149 26W 865 LEDV  Spectral power distribution  EPREL data spectral diagram PROF LEDr 6500K  Tender texts  Document name		LDT file (Eulumdat)	LEDTUBE T5 AC HO54 P 1149 26W 865 LEDV	
Spectral power distribution EPREL data spectral diagram PROF LEDr 6500K  Tender texts Document name		UGR file (UGR table)	LEDTUBE T5 AC HO54 P 1149 26W 865 LEDV	
Tender texts Document name		Light distribution curve type polar	LEDTUBE T5 AC HO54 P 1149 26W 865 LEDV	
		Spectral power distribution	EPREL data spectral diagram PROF LEDr 6500K	
		Tondor touto	pourment name	
Tender documents LED TUBE T5 AC MAINS P 1149 mm 26W 865-EN		render texts Do	ocument name	
		Tender documents LE	ED TUBE T5 AC MAINS P 1149 mm 26W 865-EN	

#### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075824157	Sleeve 1	1,165 mm x 20 mm x 24 mm	188.00 g	0.56 dm <sup>3</sup>
4058075824164	Shipping box 10	1,245 mm x 140 mm x 85 mm	2280.00 g	14.82 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.

#### ADDITIONAL CATALOG INFORMATION



## 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.