

# PRODUCT DATASHEET

## LED TUBE T5 AC H039 P 849 mm 16W 840

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



### Areas of application

- General illumination within ambient temperatures from -20...+45 °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



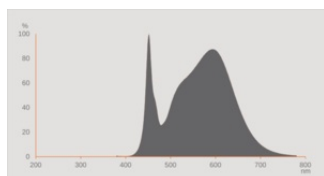
## TECHNICAL DATA

### Electrical data

Nominal wattage	16 W
Construction wattage	16.00 W
Nominal voltage	220...240 V
Operating mode	AC Mains
Nominal current	75 mA
Type of current	AC
Inrush current	11 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	55
Max. lamp no. on circuit break. 16 A (B)	70
Total harmonic distortion	< 20 %
Power factor $\lambda$	0,90

### Photometrical data

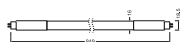
Luminous flux	2400 lm
Luminous efficacy	150 lm/W
Lumen main.fact.at end of nom.li	0.70
Light color (designation)	Cool White
Color temperature	4000 K
Color rendering index Ra	80
Light color	840
Standard deviation of color matching	$\leq 5$ sdc <sub>m</sub>
Rated LLMF at 6,000 h	0.80
Valoare pãlpãire Pst LM	1
Valoare efect stroboscopic SVM	0.4



### Light technical data

Beam angle	190 °
Warm-up time (60 %)	< 2.00 s
Starting time	< 0,5 s

### Dimensions & Weight



Construction length [PICOS]	863.00 mm
Length with base excl. base pins/connection	849.00 mm
Diameter	19,00 mm
Tube diameter	16 mm
Maximum diameter	19 mm
Product weight	116,00 g

### Temperatures & operating conditions

Ambient temperature range	-20...+45 °C
Maximum temperature at tc test point	75 °C
Performance temp. acc. to IEC 62717	60 °C <sup>1)</sup>

<sup>1)</sup> Tp rated. Tp point coincides with Tc point - marked on device

### Lifespan

Lifespan L70/B50 at 25 °C	50000 h
ETIM - Rated life time L80/B50 at 25 °C (EF011872)	50000 h
Number of switching cycles	100000
Lumen maintenance at end of serv	0.70
Rated lamp survival factor at 6,	≥ 0.90

### Additional product data

Base (standard designation)	G5
Lamp mercury content	0.0 mg
Mercury-free	Yes

## Capabilities

Dimmable	No
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## Certificates & Standards

Energy efficiency class	D <sup>1)</sup>
Energy consumption	16.00 kWh/1000h
Type of protection	IP20
Standards	CE
Photobio. safety group a 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
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## LOGISTICAL DATA

Temperature range at storage	-20...+80 °C
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## Date privind reglementarea etichetării energetice (EU 2019/2015)









Tehnologia de iluminat utilizată	LED
Nedirecțională sau direcțională	NDLS
Cu alimentare de la rețea sau nealimentată de la rețea	MLS
Tipul de soclu al sursei de lumină (sau altă interfață electrică)	G5
Sursă de lumină conectată (SLC)	No
Sursă de lumină cu posibilitatea de reglare a culorilor	No
Anvelopă	No
Surse de lumină cu luminanță mare	No
Protecție antireflexie	No
Tip de temperatură de culoare corelată	SINGLE_VALUE
Puterea în modul standby	0 W
Puterea în modul standby pentru SLC	0 W
Declarație de putere echivalentă	No
Length	863,00 mm
Height (incl. cylin. luminaires) [calc.]	19.00 mm
Width (incl. round luminaires) [Calc.]	19.00 mm
Coordonata X a diagramei cromatica a culorilor	0.382
Coordonata Y a diagramei cromatica a culorilor	0.380

Valoarea indicelui de redare a culorilor R9	>0
Correspondență unghi fascicul	SPHERE_360
Factorul de supraviețuire	0.9
Factorul de defazaj	0.90
Sursa de lumină LED care înlocuiește o lumină fluorescentă	No
EPREL ID	1408595
Model number	AC47537,AC47537

### 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 max temperature on the product prior to installation.
- After rewiring of a luminaire the installer will be responsible for all technical and safety consequences.

### DOWNLOAD DATA

Documents and certificates	
	User instruction
	Declarations Of Conformity CE
	Declarations Of Conformity UKCA
Photometric and lighting design files	
	IES file (IES)
	LDT file (Eulumdat)
	UGR file (UGR table)
	LDC typ polar
	Spectral power distribution

### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854081163	Sleeves 1	865 mm x 20 mm x 24 mm	131.00 g	0.42 dm <sup>3</sup>
4099854081170	Shipping box 10	945 mm x 140 mm x 85 mm	1626.00 g	11.25 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.

### References / Links

- For current information see [www.ledvance.com/ledtube](http://www.ledvance.com/ledtube)

### DISCLAIMER

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