

# PRODUCT DATASHEET HE SL 21 W/830

SMARTLUX® T5 HE® | Tubular fluorescent lamps 16 mm, high efficiency





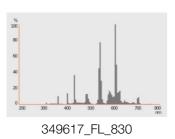
# TECHNICAL DATA

# Electrical data

Nominal wattage	21 W
Construction wattage	20.60 W
Nominal voltage	220 V
Rated lamp efficacy (HF data 25 °C)	92

# Photometrical data

Luminous efficacy   90 lm/W     Luminous flux at 25 °C   1900 lm     Luminous flux at 35 °C   2100 lm     Color temperature   3000 K     Color rendering index Ra   280     Light color   830     Rated LLMF at 2,000 h   0.95     Rated LLMF at 6,000 h   0.91     Rated LLMF at 8,000 h   0.90     Rated LLMF at 12,000 h   0.90     Rated LLMF at 16,000 h   0.90     Rated LLMF at 20,000 h   0.90     Rated LLMF at 9,000 h   0.90		,
Luminous flux at 25 °C 1900 lm   Luminous flux at 35 °C 2100 lm   Color temperature 3000 K   Color rendering index Ra ≥80   Light color 830   Rated LLMF at 2,000 h 0.95   Rated LLMF at 4,000 h 0.92   Rated LLMF at 6,000 h 0.91   Rated LLMF at 8,000 h 0.90   Rated LLMF at 12,000 h 0.90   Rated LLMF at 16,000 h 0.90   Rated LLMF at 20,000 h 0.90   Rated LLMF at 20,000 h 0.90	Luminous flux	1900 lm
Luminous flux at 35 °C 2100 lm   Color temperature 3000 K   Color rendering index Ra ≥80   Light color 830   Rated LLMF at 2,000 h 0.95   Rated LLMF at 4,000 h 0.92   Rated LLMF at 6,000 h 0.91   Rated LLMF at 8,000 h 0.90   Rated LLMF at 12,000 h 0.90   Rated LLMF at 16,000 h 0.90   Rated LLMF at 16,000 h 0.90   Rated LLMF at 20,000 h 0.89	Luminous efficacy	90 lm/W
Color temperature 3000 K   Color rendering index Ra ≥80   Light color 830   Rated LLMF at 2,000 h 0.95   Rated LLMF at 4,000 h 0.92   Rated LLMF at 6,000 h 0.91   Rated LLMF at 8,000 h 0.90   Rated LLMF at 12,000 h 0.90   Rated LLMF at 16,000 h 0.90   Rated LLMF at 20,000 h 0.89	Luminous flux at 25 °C	1900 lm
Color rendering index Ra ≥80   Light color 830   Rated LLMF at 2,000 h 0.95   Rated LLMF at 4,000 h 0.92   Rated LLMF at 6,000 h 0.91   Rated LLMF at 8,000 h 0.90   Rated LLMF at 12,000 h 0.90   Rated LLMF at 16,000 h 0.90   Rated LLMF at 20,000 h 0.89	Luminous flux at 35 °C	2100 lm
Light color 830   Rated LLMF at 2,000 h 0.95   Rated LLMF at 4,000 h 0.92   Rated LLMF at 6,000 h 0.91   Rated LLMF at 8,000 h 0.90   Rated LLMF at 12,000 h 0.90   Rated LLMF at 16,000 h 0.90   Rated LLMF at 20,000 h 0.90   Rated LLMF at 20,000 h 0.90	Color temperature	3000 K
Rated LLMF at 2,000 h 0.95   Rated LLMF at 4,000 h 0.92   Rated LLMF at 6,000 h 0.91   Rated LLMF at 8,000 h 0.90   Rated LLMF at 12,000 h 0.90   Rated LLMF at 16,000 h 0.90   Rated LLMF at 20,000 h 0.90	Color rendering index Ra	≥80
Rated LLMF at 4,000 h 0.92   Rated LLMF at 6,000 h 0.91   Rated LLMF at 8,000 h 0.90   Rated LLMF at 12,000 h 0.90   Rated LLMF at 16,000 h 0.90   Rated LLMF at 20,000 h 0.89	Light color	830
Rated LLMF at 6,000 h 0.91   Rated LLMF at 8,000 h 0.90   Rated LLMF at 12,000 h 0.90   Rated LLMF at 16,000 h 0.90   Rated LLMF at 20,000 h 0.89	Rated LLMF at 2,000 h	0.95
Rated LLMF at 8,000 h 0.90   Rated LLMF at 12,000 h 0.90   Rated LLMF at 16,000 h 0.90   Rated LLMF at 20,000 h 0.89	Rated LLMF at 4,000 h	0.92
Rated LLMF at 12,000 h 0.90   Rated LLMF at 16,000 h 0.90   Rated LLMF at 20,000 h 0.89	Rated LLMF at 6,000 h	0.91
Rated LLMF at 16,000 h   0.90     Rated LLMF at 20,000 h   0.89	Rated LLMF at 8,000 h	0.90
Rated LLMF at 20,000 h 0.89	Rated LLMF at 12,000 h	0.90
	Rated LLMF at 16,000 h	0.90
Rated lamp efficacy (HF data 25 °C) 92	Rated LLMF at 20,000 h	0.89
	Rated lamp efficacy (HF data 25 °C)	92



# Dimensions & Weight

Overall length	849.00 mm
Length with base excl. base pins/connection	849,00 mm

_	
Diameter	16,0 mm
Tube diameter	16 mm
Maximum diameter	16 mm
Product weight	65.00 g
Froduct weight	05.00 g
Temperatures & operating conditions	
Rated ambient temp.w.max.luminous	35.0 °C
Lifespan	
Rated lamp survival factor at 2,000 h	0.99
Rated lamp survival factor at 4,000 h	0.99
Rated lamp survival factor at 6,000 h	0.99
Rated lamp survival factor at 8,000 h	0.99
Rated lamp survival factor at 12,000 h	0.99
Rated lamp survival factor at 16,000	0.90
Rated lamp survival factor at 20,000 h	0.50
Operation mode LLMF/LSF	HF
Additional product data	
Base (standard designation)	G5
Mercury content	1.2 mg
Capabilities	
Suitable for indoor	Yes
Certificates & Standards	
Energy efficiency class	A+
Energy consumption	23.10 kWh/1000h
Country-specific categorizations	
Order reference	HE 21W/830 SL
Energy labelling regulation data acc EU 2019/2015	
Light source cap-type (or other electric interface)	G5
Length	849.00 mm
Height	16,0 mm
Width	16,0 mm

### DOWNLOAD DATA

Photometric and lighting design files	Document name
Spectral power distribution	349617_FL_830

# LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008321335463	Sleeve 1	863 mm x 18 mm x 18 mm	80.00 g	0.28 dm <sup>3</sup>
4052899046702	Shipping box 20	891 mm x 104 mm x 88 mm	2283.00 g	8.15 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.