

HE 21 W/827

LUMILUX T5 HE | Tubular fluorescent lamps 16 mm, high efficiency



- Public buildings
- Offices
- Shops
- Supermarkets and department stores
- Industry

Product benefits

- Good economy and efficiency
- Up to 20 % more economical than LUMILUX T8
- Up to 50 % smaller volume than comparable T8 lamps
- Natural colors

Product features

- Luminous efficacy: up to 104 lm/W
- Very good lumen maintenance: >90 % throughout the life of the lamp
- Long average life time: up to 24,000 h (with QUICKTRONIC ECG)
- Good color rendering group: 1B (R_a : 80...89)
- Dimmable



Technical data

Electrical data

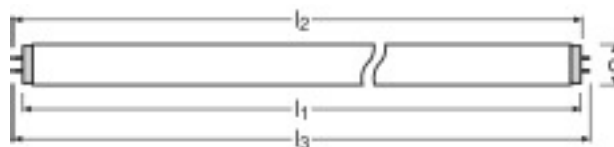
Nominal wattage	21 W
Rated lamp efficacy (HF data)	Under clarification by authority and standardization body
Rated lamp efficacy (standard condition)	92 lm/W
Rated wattage	20.6 W

Light technical data

Color rendering index Ra	>=80
Rated luminous flux	1900 lm
Luminous flux at 25 °C	1900 lm
Luminous flux at 35 °C	2100 lm
Light color	827
Color temperature	2700 K
Nominal luminous flux	1900 lm
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

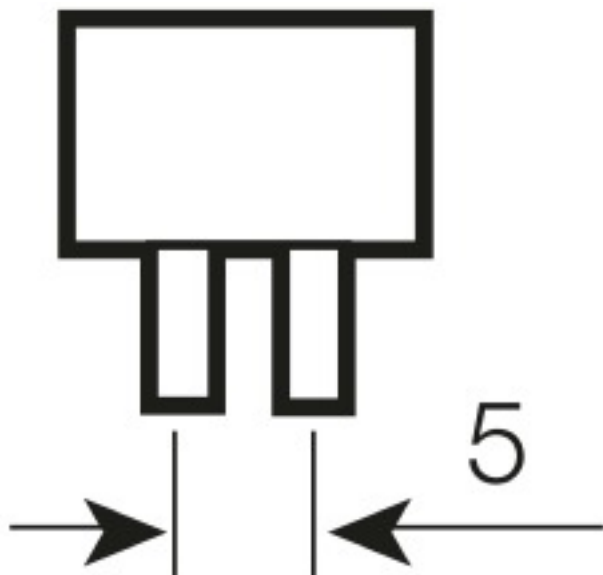
Dimensions & weight

Tube diameter	16 mm
Length	849.0 mm
Length with base excl. base pins/connection	849.00 mm
Diameter	16.0 mm



Product line drawing with letters

Product line drawing - technical



Base

Colors & materials

Lamp mercury content	1.5 mg
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Temperatures

Rated ambient temp.w.max.luminous flux	35.0 °C
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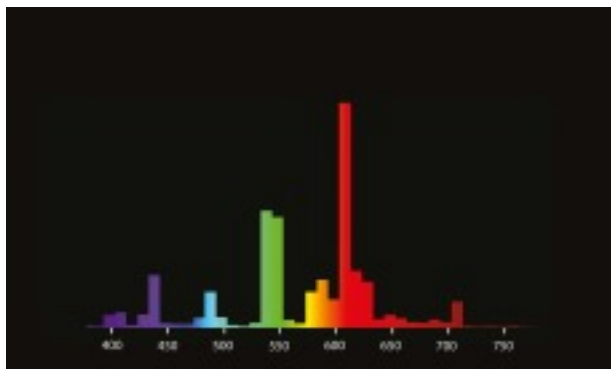
Lifespan

Service life	19000 h ¹⁾
Lifespan	24000 h ¹⁾
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 h	0.97
Rated lamp survival factor at 20,000 h	0.85
Operation mode LLMF/LSF	HF

¹⁾ With preheat ECG

Additional product data

Base (standard designation)	G5
Appropriate disposal acc. to WEEE	Yes
Footnote used only for product	Suitable for ECG operation only/Lamp designed for internal luminaire temperatures of 30...40 °C; optimum luminous flux achieved at 35 °C



Spectral power distribution

Capabilities

Suitable for indoor	Yes
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Certificates & standards

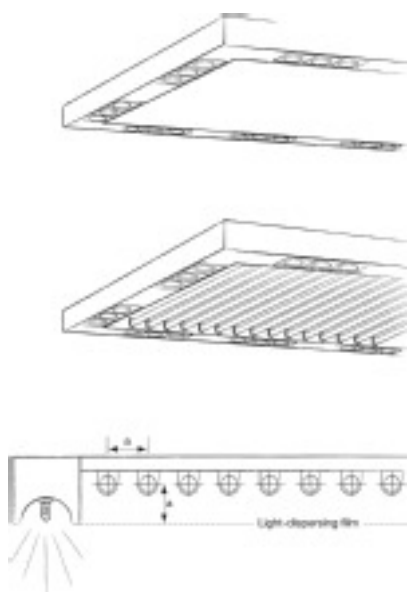
EEI – Energy Label	A
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System guarantee

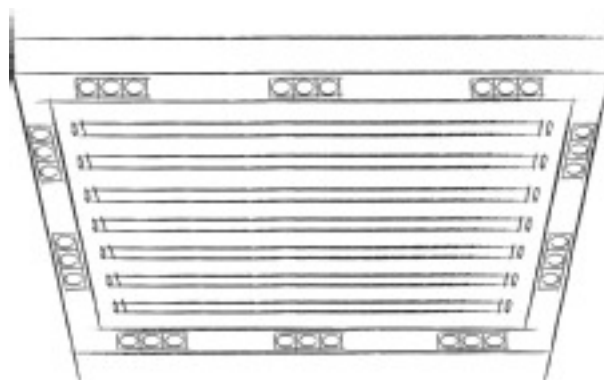
OSRAM System+ Guarantee in combination with OSRAM ECGs

Safety advice

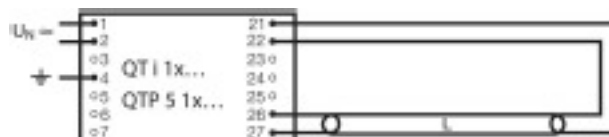
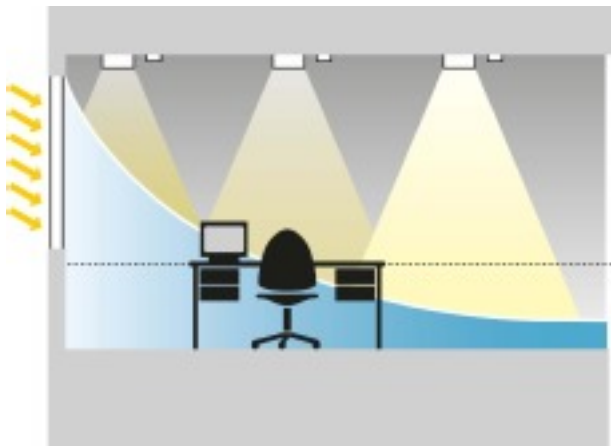
In case of lamp breakage: www.osram.com/brokenlamp



Others graphics



Others graphics



Others graphics

Circuit diagram



Circuit diagram

Logistical Data

Product code	Packaging unit (Pieces/Unit)	Dimensions (height x width x length)	Gross weight	Volume
4008321912138	Sleeves 1	46 mm x 19 mm x 910 mm	107.50 g	0.80 dm ³
4008321912145	Shipping carton box 10	232 mm x 46 mm x 933 mm	1394.00 g	9.96 dm ³
4050300645957	Sleeves 1	23 mm x 20 mm x 870 mm	96.20 g	0.40 dm ³
4050300645964	Shipping carton box 20	110 mm x 90 mm x 887 mm	2134.00 g	8.78 dm ³
4050300645971	Unpacked 1	17 mm x 16 mm x 859 mm	84.00 g	0.23 dm ³
4050300645988	Shipping carton box 40	314 mm x 83 mm x 781 mm	3394.00 g	20.35 dm ³

References / Links

For more information on the system guarantee and the terms and conditions of the guarantee visit

▶ www.osram.com/system-guarantee

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.