

# HE 21 W/827

Kod produktu: 57123



## Dane techniczne:

- Nominal voltage **220 V**
- Nominal wattage **20.60 W**
- Color temperature **2700 K**
- Nominal luminous flux **1900 lm**
- Rated luminous flux **1900 lm**
- Light color as per EN 12464-1 **LUMILUX INTERNA**
- Diameter **16.0 mm**
- Length **849.0 mm**
- Nominal lamp life time **24000 h**
- Rated lamp life time **24000 h**
- Base (standard designation) **G5**
- Appropriate disposal acc. to WEEE **Yes**
- Dimmable **Yes**
- Energy efficiency class **A+**
- Color rendering index  $R_a \geq 80$
- Maximum diameter **16.0 mm**
- Lamp mercury content **2.5 mg**
- Energy consumption **23 kWh/1000h**
- Tube diameter **16 mm**
- Lifespan **24000 h**
- Product remark **Suitable for ECG operation only/Lamp designed for internal luminaire temperatures of 30-40 °C; optimum luminous flux achieved at 35 °C**
- Light color **827**
- Luminous flux at 25 °C **1900 lm**
- 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 lamp survival factor at 2,000 h **0.99**
- Rated lamp survival factor at 4,000 h **0.97**
- Rated lamp survival factor at 6,000 h **0.95**
- Service life **19000 h**
- Operation mode LLMF/LSF **HF**
- Rated lamp survival factor at 8,000 h **0.92**
- Suitable for indoor **Yes**
- Rated LLMF at 12,000 h **0.90**

- Rated lamp survival factor at 12,000 h **0.91**
- Length with base excl. base pins/connection **849.00 mm**
- Rated ambient temp.w.max.luminous flux **35.0 °C**
- Rated lamp efficacy (HF data 25 °C) **Under clarification by authority and standardization body**
- Rated LLMF at 16,000 h **0.90**
- Rated LLMF at 20,000 h **0.89**
- Rated lamp survival factor at 16,000 h **0.90**
- Rated lamp survival factor at 20,000 h **0.85**
- Luminous flux at 35 °C **2100 lm**
- Rated lamp efficacy (standard condition) **92 lm/W**
- Rated LLMF at 2,000 h **0.95**
- Rated wattage **20.60 W**
- Construction wattage [PICOS] **27.90 W**
- Nominal wattage **27.90 W**
- Rated lamp efficacy (HF data 25 °C) **84 lm/W**
- Color temperature **8000 K**
- Nominal luminous flux **2350 lm**
- Rated luminous flux **2350 lm**
- Light color as per EN 12464-1 **LUMILUX SKYWHITE**
- Color rendering index Ra **≥80**
- Light color **880**
- Luminous flux at 25 °C **2350 lm**
- 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 **2690 lm**
- Rated LLMF at 2,000 h **0.95**
- Diameter **16.0 mm**
- Length **1149.0 mm**
- Maximum diameter **16.0 mm**
- Tube diameter **16 mm**
- Length with base excl. base pins/connection **1149.00 mm**
- Nominal lamp life time **24000 h**
- Rated lamp life time **24000 h**
- Lifespan **24000 h**
- 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**
- Service life **19000 h**
- Operation mode LLMF/LSF **HF**
- 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**
- Base (standard designation) **G5**
- Appropriate disposal acc. to WEEE **Yes**
- Lamp mercury content **1.5 mg**
- Product remark **Suitable for ECG operation only/Lamp designed for internal luminaire temperatures of 30-40 °C; optimum luminous flux achieved at 35 °C**
- Dimmable **Yes**
- Suitable for indoor **Yes**
- Energy efficiency class **A+**
- Energy consumption **31 kWh/1000h**

- Rated ambient temp.w.max.luminous flux **35.0 °C**

#### **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

#### **Areas of application**

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

#### **Product features**

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

#### **Safety advice**

In case of lamp breakage: [www.osram.com/brokenlamp](http://www.osram.com/brokenlamp)

#### **System guarantee**

OSRAM System+ Guarantee in combination with OSRAM ECGs