



product details

**HE 21 W/840**

Product description: HE 21 W/840  
 Product code: 4050300591407  
 Quantity: Sleeves (FLH) contains 1 Piece (PCE)

Applications	
Suitable for indoor	Yes

Categorizations	
SEG number	8328528
Sstl-Number	4932321

Certificates & Standards	
EEI - Energy Label	A

General Description	
Base (standard designation)	G5
Recycling	Yes
Lamp mercury content	1.9 mg

Technical - Electrical Data	
Nominal wattage	21 W
Rated wattage	20.6 W
Rated lamp efficacy (standard condition)	86 lm/W
Rated lamp efficacy (HF data)	Under clarification by authority and standardization body
Operation mode LLMF/LSF	HF

Technical - Geometries	
Tube diameter	16 mm
Length	849 mm
Length with base excl. base pins/connect	849 mm

Technical - Lifespan	
Service life	16000 h <sup>1)</sup>
Lifespan	20000 h <sup>2)</sup>
Rated lamp survival factor 2000 h	0.99
Rated lamp survival factor 4000 h	0.99
Rated lamp survival factor 6000 h	0.99
Rated lamp survival factor 8000 h	0.99
Rated lamp survival factor 12000 h	0.99
Rated lamp survival factor 16000 h	0.90
Rated lamp survival factor 20000 h	0.50

Technical - Light Technical Data	
Luminous flux at 25 °C	1900 lm
Rated color rendering index (Ra)	>=80
Nominal luminous flux	1900 lm
Rated luminous flux	1900 lm



Technical - Light Technical Data	
Luminous flux	1900 lm <sup>3)</sup>
Luminous flux at 35 °C	2100 lm
Light color	840
Rated color temperature	4000 K
Color rendering index Ra	80...89
Light color as per EN 12464-1	LUMILUX Cool White
Rated LLMF at 2000 h	0.95
Rated LLMF at 4000 h	0.92
Rated LLMF at 6000 h	0.91
Rated LLMF at 8000 h	0.90
Rated LLMF at 12000 h	0.90
Rated LLMF at 16000 h	0.89
Rated LLMF at 20000 h	0.89

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

Packaging units				
Product code	Packaging type and content	Dimensions in h x w x l	Gross weight	Volume
4050300591407	Sleeves contains 1 Piece	23,000 mm x 19,000 mm x 870,000 mm	80,857 g (0,000 g)	0,460 Cubic dec.
4050300591414	Shipping carton box contains 20 Piece	110,000 mm x 90,000 mm x 887,000 mm	2.134,000 g (0,000 g)	8,781 Cubic dec.

HE stands for High Efficiency. This system offers excellent properties such as good luminous flux behaviour, impressive economy and improved environmental compatibility. With a tube diameter of only 16 mm, these lamps offer an extremely high luminous efficacy of up to 104 lm/W (at 35 °C). They are designed for ECG operation and are up to 20 % more efficient than LUMILUX T8 lamps. With hot restart ECGs, T5 lamps achieve an average life of 20,000 hours and a service life of 16,000 hours. They also enable extremely slim and compact luminaires to be created because their volume is up to 50 % less and their length 5 cm shorter than comparable T8 lamps.

For more information on the system guarantee and the terms and conditions of the guarantee go to [www.osram.com/system-guarantee](http://www.osram.com/system-guarantee).

- 1) with preheat ECG
- 2) With preheat ECG
- 3) These values are reached at 25 °C (acc. to IEC 60081 lumen values for fluorescent lamps must always be specified for 25 °C). These lamps offer even more luminous flux if they are operated wi