



product details

**FQ 80W/840 HO CONSTANT**

Product description: FQ 80W/840 HO CONSTANT  
 Product code: 4008321080042  
 Quantity: Sleeves (FLH) contains 1 Piece (PCE)

You can find this product in the eCatalog:

[http://catalog.myosram.com?~language=EN&~country=COM&it\\_p=4008321080042](http://catalog.myosram.com?~language=EN&~country=COM&it_p=4008321080042)

Applications	
Suitable for indoor	Yes

Categorizations	
Sstl-Number	4931381
SEG number	8328764

Certificates & Standards	
EEl - Energy Label	A

General Description	
Base (standard designation)	G5
Recycling	Yes
Lamp mercury content	2.6 mg

Technical - Electrical Data	
Nominal wattage	80 W
Construction wattage	79.8
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
Diameter	16.00 mm
Length	1449.00 mm
Length with base excl. base pins/connect	1449 mm

Technical - Lifespan	
Nominal lamp life time	24000 h
Lifespan	24000 h <sup>1)</sup>
Service life	18000 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	0.95
Rated lamp survival factor 20000 h	0.81

Technical - Light Technical Data	
Rated color rendering index (Ra)	>=80
Nominal luminous flux	6800 lm



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Subject to change without notice. Errors and omission excepted.

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Technical - Light Technical Data	
Rated luminous flux	6800 lm
Luminous flux	6800 lm <sup>3)</sup>
Light color	840
Rated color temperature	4000 K
Color rendering index Ra	80...89
Light color as per EN 12464-1	LUMILUX DE LUXE 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
4008321080042	Sleeves contains 1 Piece	25,000 mm x 20,000 mm x 1.470,000 mm	159,000 g (0,000 g)	0,735 Cubic dec.
4008321080059	Shipping carton box contains 20 Piece	104,000 mm x 83,000 mm x 1.482,000 mm	3.450,000 g (0,000 g)	12,793 Cubic dec.

T5 HO CONSTANT uses new high-temperature amalgam technology. This enables the lamps to operate with a luminous flux greater than 90 % in a temperature range from +5 °C to +70 °C (49 W: +20 °C to +80 °C). This compares favorably with conventional T5 lamps (> 90 % between 25 °C and 50 °C). This means that for the first time T5 technology can be used for outdoor lighting applications and in hot compact luminaires. With the new optimized QT<sub>i</sub> DIM units from OSRAM the T5 HO CONSTANT lamps are approved for dimming down to 1 %. For information on our dimmers see Section 10; for the latest in on dimming HO CONSTANT lamps go to [www.osram.com/hoconstant](http://www.osram.com/hoconstant).

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) For HO CONSTANT the maximum luminous flux is not defined for a particular temperature