



product details

FQ 49W/865 HO

Product description: FQ 49W/865 HO
 Product code: 4008321110695
 Quantity: Shipping carton box (VS) contains
 20 Piece (PCE)

You can find this product in the eCatalog:

http://catalog.myosram.com?~language=EN&~country=DE&it_p=4008321110695

Applications	
Suitable for indoor	Yes

Categorizations	
SEG number	8328650

Certificates & Standards	
EEI - Energy Label	A

General Description	
Base (standard designation)	G5
Recycling	Yes
Rated lamp mercury content	1.4 mg

Technical - Electrical Data	
Nominal wattage (packaging)	49 W
Construction wattage	49.2 W
Rated lamp efficacy (standard condition)	86 lm/W
Rated lamp efficacy (HF data)	Under clarification by authority and standardization body

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	
Service life	18000 h ¹⁾
Lifespan	24000 h ²⁾
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	0.95
Rated lamp survival factor at 20,000 h	0.81
Operation mode LLMF/LSF	HF

Technical - Light Technical Data	
Rated color rendering index Ra	>=80
Luminous flux at 25 °C	4100 lm
Nominal luminous flux	4100 lm
Rated luminous flux	4100 lm



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Subject to change without notice. Errors and omission excepted.

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Technical - Light Technical Data	
Luminous flux	4100 lm ³⁾
Luminous flux at 35 °C	4600 lm
Light color	865
Rated color temperature	6500 K
Color rendering index Ra	80...89
Light color as per EN 12464-1	LUMILUX Cool Daylight
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	0.89
Rated LLMF at 20,000 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
4050300796628	Sleeves contains 1 Piece	23,000 mm x 20,000 mm x 1.470,000 mm	99,000 g (0,000 g)	0,676 Cubic dec.
4008321110695	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.

HO stands for High Output. As in the case of T5 HE lamps, T5 HO fluorescent lamps produce their maximum luminous flux at 35 °C, compared with 25 °C for T8 fluorescent lamps with a tube diameter of 26 mm. Since the temperatures in the luminaire are higher than the ambient temperature (e.g. 20 to 25 °C) the efficiency is at least 5 % higher compared to T8 fluorescent lamps. The small tube diameter of 16 mm also leads to an increase in the efficiency of the luminaire.

This lamp system is particularly noted for its very high luminous flux, opening up new areas of application for the fluorescent lamp such as lighting for rooms with high ceilings.

HO lamps are designed for ECG operation and, like all LUMILUX lamps from OSRAM, are ideal in systems with motion sensors and/or daylight dimmers to reduced energy consumption to a minimum. With hot restart ECGs, T5 HO lamps achieve an average life of 24,000 hours and a service life of 18,000 hours.

For more information on the system guarantee and the terms and conditions of the guarantee go to 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). These lamps offer even more luminous flux if they are operated within the luminaire at their optimum ambient temperature (35 °C).