

## HO CONSTANT 24 W/865

LUMILUX T5 HO CONSTANT | Tubular fluorescent lamps 16 mm, high output, Constant



### Areas of application

- Industry
- Street lighting
- Ideal for extreme temperature requirements

### Product benefits

- Excellent luminous flux at high and low ambient temperatures
- Stable and suitable for outdoor lighting or fixtures with little thermal insulation
- Compatible with and easily exchangeable with conventional T5 lamps
- High luminous efficacy

### Product features

- Luminous flux: >90 % at ambient temperatures between +5...70 °C (for 49 W: +20...80 °C)
- 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 ( $R_a$ : 80...89)
- Dimmable



# Product datasheet

## Technical data

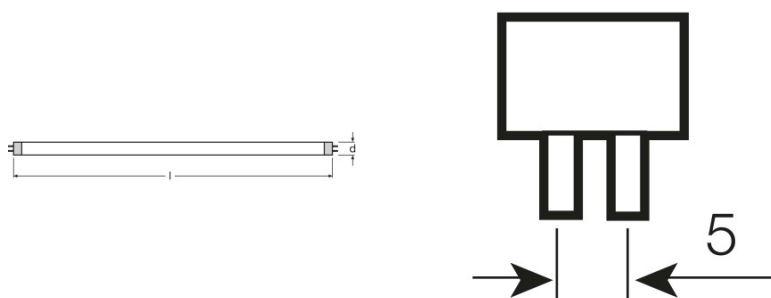
### Electrical data

Nominal wattage	22.50 W
Rated lamp efficacy (HF data 25 °C)	82 lm/W
Rated wattage	22.50 W

### Photometrical data

Color rendering index Ra	≥80
Rated luminous flux	1840 lm
Luminous flux at 25 °C	1840 lm
Luminous flux at 35 °C	1900 lm
Light color	865
Color temperature	6500 K
Nominal luminous flux	1840 lm
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	0.90
Rated LLMF at 20,000 h	0.89

### Dimensions & weight



Tube diameter	16 mm
Length	549.0 mm
Length with base excl. base pins/connection	549.00 mm
Diameter	16.0 mm

## Product datasheet

Maximum diameter	16.0 mm
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### Temperatures

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

Service life	19000 h <sup>1)</sup>
Lifespan	24000 h <sup>1)</sup>
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
Rated lamp life time	24000 h
Nominal lamp life time	24000 h

<sup>1)</sup> With preheat ECG

### Additional product data

Base (standard designation)	G5
Lamp mercury content	2.6 mg
Appropriate disposal acc. to WEEE	Yes
Product remark	Suitable for ECG operation only

### Capabilities

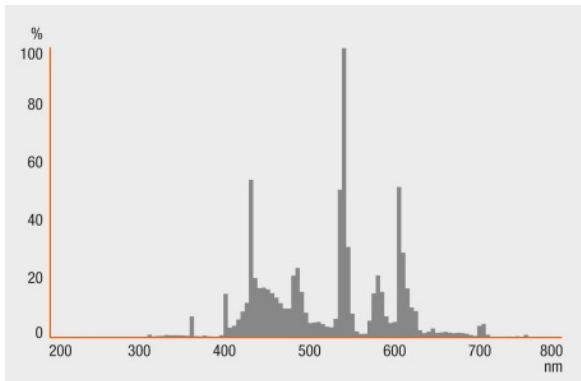
Dimmable	Yes
Suitable for indoor	Yes

### Certificates & standards

Energy efficiency class	A
Energy consumption	25 kWh/1000h

## Light Distribution

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Spectral power distribution

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### System guarantee

OSRAM System+ Guarantee in combination with OSRAM ECGs



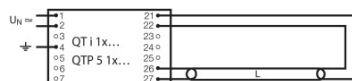
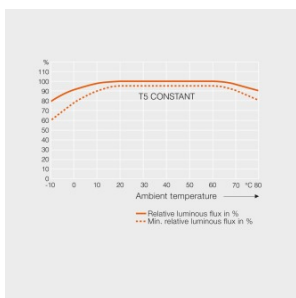
Guarantee

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### Safety advice

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

# Product datasheet



Others graphics

Circuit diagram

Circuit diagram

## Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321075475	HO CONSTANT 24 W/865	Shipping carton box 20	582 mm x 83 mm x 104 mm	5.02 dm <sup>3</sup>	1351.00 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

## References / Links

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

- ▶ [www.osram.com/system-guarantee](http://www.osram.com/system-guarantee)

For more information on QUICKTRONIC electronic control gear go to

- ▶ [www.osram.com/QUICKTRONIC](http://www.osram.com/QUICKTRONIC)

## Disclaimer

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

## HO CONSTANT 24 W/865

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Product name	Product name ECG	EAN	Luminous flux at 35 °C	Number of lighting outlets	Nominal current	Nominal wattage + Power loss
HO 24 W/865 CONSTANT	QT-FIT 5/8 1x18-39	4008321873927	1900 lm	1		
	QT-FIT 5/8 2x18-39	4008321873903	1900 lm	2		
	QTi 1x14/24/21/39 GII	4008321383334	1900 lm	1	0.12 A	26.00 W
	QTi 1x14/24 DIM	4050300870922	1900 lm	1	0.11 A	26.00 W
	QTi 2x14/24/21/39 GII	4008321383396	1900 lm	2	0.23 A	50.00 W
	QTi 2x14/24 DIM	4050300870946	1900 lm	2	0.22 A	50.00 W
	QTi 3x14/24 DIM	4008321069719	1900 lm	3	0.32 A	74.00 W
	QTi 4x14/24 DIM	4008321069993	1900 lm	4	0.43 A	98.00 W
	QTi DALI 1x14/24 DIM	4050300870380	1900 lm	1	0.11 A	25.30 W
	QTi DALI 2x14/24 DIM	4050300870861	1900 lm	2	0.22 A	49.30 W
	QTi DALI 3x14/24 DIM	4008321069955	1900 lm	3	0.32 A	73.40 W
	QTi DALI 4x14/24 DIM	4008321070036	1900 lm	4	0.43 A	97.60 W
	QT-M 2x26-42/220-240 S	4008321110022	1900 lm	2	0.23 A	54.00 W
	QTP5 1x24-39	4008321329110	1900 lm	1	0.12 A	26.00 W
	QTP5 2x24-39	4008321329417	1900 lm	2	0.23 A	49.00 W
	QTP-M 1x26-42	4008321329134	1900 lm	1	0.12 A	25.00 W
	QTP-M 2x26-32	4008321329158	1900 lm	2	0.23 A	49.00 W
	QTP-OPTIMAL 1x18-40	4008321873743	1900 lm	1	0.13 A	28.00 W

## Product datasheet

Product name	Product name ECG	EAN	Luminous flux at 35 °C	Number of lighting outlets	Nominal current	Nominal wattage + Power loss
	QTP-OPTIMAL 2x18-40	4008321873767	1900 lm	2	0.24 A	52.00 W