

HO CONSTANT 54 W/830

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

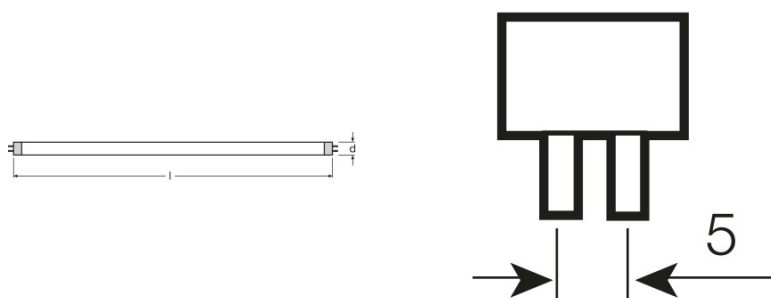
Electrical data

Nominal wattage	54.10 W
Rated lamp efficacy (HF data 25 °C)	90 lm/W
Rated wattage	54.10 W

Photometrical data

Color rendering index Ra	≥80
Rated luminous flux	4850 lm
Luminous flux at 25 °C	4850 lm
Luminous flux at 35 °C	5000 lm
Light color	830
Color temperature	3000 K
Nominal luminous flux	4850 lm
Light color as per EN 12464-1	LUMILUX Warm White
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	1149.0 mm
Length with base excl. base pins/connection	1149.00 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 ¹⁾
Lifespan	24000 h ¹⁾
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

¹⁾ 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	60 kWh/1000h

Light Distribution



Spectral power distribution

System guarantee

OSRAM System+ Guarantee in combination with OSRAM ECGs

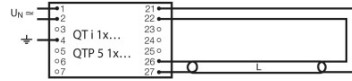
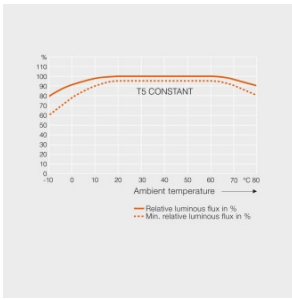


Guarantee

Safety advice

In case of lamp breakage: 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
4008321075611	HO CONSTANT 54 W/830	Shipping carton box 20	1182 mm x 94 mm x 104 mm	11.56 dm ³	2712.50 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

For more information on QUICKTRONIC electronic control gear go to

- ▶ www.osram.com/QUICKTRONIC

Disclaimer

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

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Product name	Product name ECG	EAN	Nominal current	Nominal wattage + Power loss	Luminous flux at 35 °C	Number of lighting outlets
HO 54 W/830 CONSTANT	QT 1x54 DIM	4008321640338	0.26 A	58.10 W	4450 lm	1
	QT 2x54 DIM	4008321640437	0.51 A	115.90 W	4450 lm	2
	QT-FIT 5/8 1x54-58	4008321873828	0.25 A	59.00 W	4450 lm	1
	QT-FIT 5/8 2x54-58	4008321873842	0.49 A	116.00 W	4450 lm	2
	QTi 1x28/54/35/49 GII	4008321383358	0.26 A	58.00 W	4850 lm	1
	QTi 1x28/54 DIM	4050300870588	0.26 A	58.80 W	4850 lm	1
	QTi 2x28/54/35/49 GII	4008321383419	0.51 A	115.00 W	4850 lm	2
	QTi 2x28/54 DIM	4050300870717	0.51 A	115.00 W	4850 lm	2
	QTi DALI 1x28/54 DIM	4050300870809	0.26 A	58.80 W	4850 lm	1
	QTi DALI 2x28/54 DIM	4050300870502	0.51 A	115.00 W	4850 lm	2
	QTP5 1x54	4008321329394	0.26 A	59.00 W	4850 lm	1
	QTP5 2x54	4008321329097	0.50 A	115.00 W	4850 lm	2
	QTP-OPTIMAL 1x54-58	4008321873729		54.00 W	4450 lm	1
	QTP-OPTIMAL 2x54-58	4008321880253		107.00 W	4450 lm	2