

# PRODUCT DATASHEET

## HO 54 W/840

LUMILUX T5 HO | Tubular fluorescent lamps 16 mm, high output, with G5 base



### AREAS OF APPLICATION

- Industry
- Public buildings
- Offices
- Tunnels, underpasses
- Car parks
- Outdoor applications only in suitable luminaires

### PRODUCT BENEFITS

- Excellent luminous flux
- Up to 20 % more economical than LUMILUX T8
- Up to 50 % smaller volume than comparable T8 lamps

### PRODUCT FEATURES

- 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



**TECHNICAL DATA**

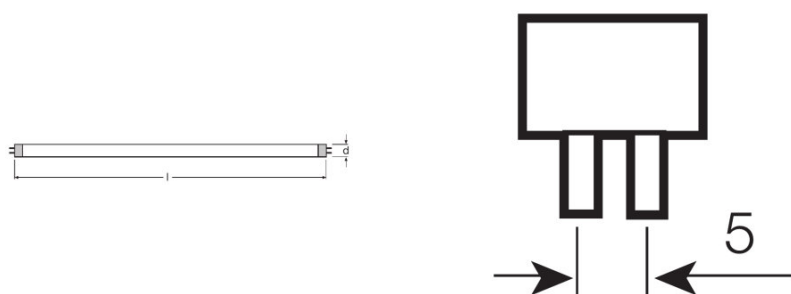
Electrical data

Nominal voltage	230 V
Rated lamp efficacy (HF data 25 °C)	82 lm/W
Rated wattage	54.10 W
Nominal wattage	54.00 W

Photometrical data

Color rendering index Ra	≥80
Rated luminous flux	4450 lm
Luminous flux at 25 °C	4450 lm
Luminous flux at 35 °C	5000 lm
Light color	840
Rated color temperature	4000 K
Nominal luminous flux	4450 lm
Light color (designation)	LUMILUX Cool White
Rated LLMF at 2,000 h	0.95
Rated LLMF at 4,000 h	0.93
Rated LLMF at 6,000 h	0.92
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
Color temperature	4000 K
Luminous flux	4450 lm
Color rendering index Ra	≥80

Dimensions & weight



Tube diameter	16 mm
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<b>Length</b>	1149 mm
<b>Length with base excl. base pins/connection</b>	1149.00 mm
<b>Diameter</b>	16.0 mm
<b>Maximum diameter</b>	16.0 mm

### Temperatures & operating conditions

<b>Rated ambient temp.w.max.luminous flux</b>	35.0 °C
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### Lifespan

<b>Service life</b>	19000 h <sup>1)</sup>
<b>Lifespan</b>	24000 h <sup>1)</sup>
<b>Rated lamp survival factor at 2,000 h</b>	0.99
<b>Rated lamp survival factor at 4,000 h</b>	0.99
<b>Rated lamp survival factor at 6,000 h</b>	0.99
<b>Rated lamp survival factor at 8,000 h</b>	0.99
<b>Rated lamp survival factor at 12,000 h</b>	0.99
<b>Rated lamp survival factor at 16,000 h</b>	0.97
<b>Rated lamp survival factor at 20,000 h</b>	0.85
<b>Operation mode LLMF/LSF</b>	HF
<b>Rated lamp life time</b>	24000 h
<b>Nominal lamp life time</b>	24000 h

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

### Additional product data

<b>Base (standard designation)</b>	G5
<b>Mercury content</b>	1.7 mg
<b>Show WEEE picto</b>	Yes
<b>Product remark</b>	Suitable for ECG operation only/Lamp designed for internal luminaire temperatures of 30...40 °C; optimum luminous flux achieved at 35 °C

### Capabilities

<b>Dimmable</b>	Yes
<b>Suitable for indoor</b>	Yes

### Certificates & standards

<b>Energy efficiency class</b>	A+
<b>Energy consumption</b>	60 kWh/1000h

Light Distribution



Spectral power distribution

Wiring Diagram



Wiring diagram



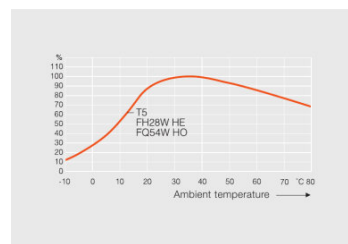
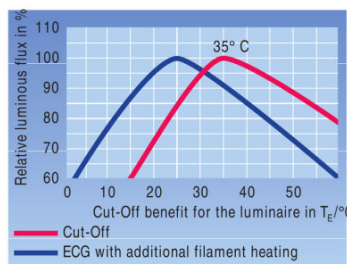
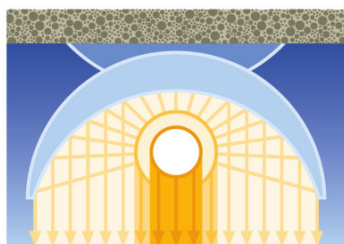
Wiring diagram

**SYSTEM GUARANTEE**

OSRAM System+ Guarantee in combination with OSRAM ECGs

**SAFETY ADVICE**

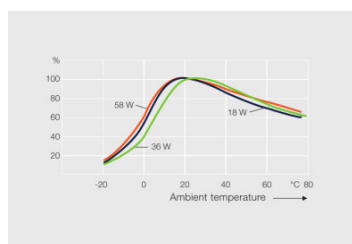
In case of lamp breakage: [www.ledvance.com/brokenlamp](http://www.ledvance.com/brokenlamp)



Others graphics

Others graphics

Others graphics



Others graphics

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300453392	Unpacked 1	1160 mm x 16 mm x 16 mm	108.00 g	0.30 dm <sup>3</sup>
4050300453408	Shipping carton box 40	1194 mm x 199 mm x 87 mm	4222.00 g	20.67 dm <sup>3</sup>
4050300591582	Sleeves 1	1170 mm x 19 mm x 21 mm	124.50 g	0.47 dm <sup>3</sup>
4050300591599	Shipping carton box 20	1182 mm x 83 mm x 91 mm	2662.50 g	8.93 dm <sup>3</sup>

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.

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#### REFERENCES / LINKS

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

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

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#### DISCLAIMER

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

## LUMILUX T5 HO | Tubular fluorescent lamps 16 mm, high output, with G5 base

Product name	Product name ECG	EAN	Nominal current	Nominal wattage + Power loss	Luminous flux at 35 °C	Number of lighting outlets
HO 54 W/840	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	4450 lm	1
	QTi 1x28/54 DIM	4050300870588	0.26 A	58.80 W	4450 lm	1
	QTi 2x28/54/35/49 GII	4008321383419	0.51 A	115.00 W	4450 lm	2
	QTi 2x28/54 DIM	4050300870717	0.51 A	115.00 W	4450 lm	2
	QTi DALI 1x28/54 DIM	4050300870809	0.26 A	58.80 W	4450 lm	1
	QTi DALI 2x28/54 DIM	4050300870502	0.51 A	115.00 W	4450 lm	2
	QTP-OPTIMAL 1x54-58	4008321873729	0.26 A	54.00 W	4450 lm	1
	QTP-OPTIMAL 2x54-58	4008321880253	0.52 A	120.00 W	4450 lm	2