

LUMILUX T5 HO

Tubular fluorescent lamps 16 mm, high output



Areas of application

- Industry
- Public buildings
- Offices
- Tunnels, underpasses
- Car parks

Product benefits

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

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



Product family datasheet

Technical data

Product description	Electrical data	Photometrical data					Dimensions & weight		Temperatures	Lifespan
	Nominal wattage	Color rendering index Ra	Luminous flux at 25 °C	Luminous flux at 35 °C	Color temperature	Light color (designation)	Tube diameter	Length with base excl. base pins/connection	Rated ambient temp.w. max.luminous flux	Service life
HO 24 W/827 ¹⁾	22.5 W	≥80	1750 lm	2000 lm	2700 K	LUMILUX INTERNA	16 mm	549.00 mm	35.0 °C	19000 h ²⁾
HO 24 W/830 ¹⁾	22.5 W	≥80	1750 lm	2000 lm	3000 K	LUMILUX Warm White	16 mm	549.00 mm	35.0 °C	19000 h ²⁾
HO 24 W/835 ¹⁾	22.5 W	≥80	1750 lm	2000 lm	3500 K	LUMILUX White	16 mm	549.00 mm	35.0 °C	19000 h ²⁾
HO 24 W/840 ¹⁾	22.5 W	≥80	1750 lm	2000 lm	4000 K	LUMILUX Cool White	16 mm	549.00 mm	35.0 °C	19000 h ²⁾
HO 24 W/865 ¹⁾	22.5 W	≥80	1600 lm	1900 lm	6500 K	LUMILUX Cool Daylight	16 mm	549.00 mm	35.0 °C	19000 h ²⁾
HO 24 W/880 ¹⁾	22.5 W	≥80	1550 lm	1750 lm	8000 K	LUMILUX SKYWHITE	16 mm	549.00 mm	35.0 °C	19000 h ²⁾
HO 39 W/827 ¹⁾	38.0 W	≥80	3100 lm	3500 lm	2700 K	LUMILUX INTERNA	16 mm	849.00 mm	35.0 °C	19000 h ²⁾
HO 39 W/830 ¹⁾	38.0 W	≥80	3100 lm	3500 lm	3000 K	LUMILUX Warm White	16 mm	849.00 mm	35.0 °C	19000 h ²⁾
HO 39 W/840 ¹⁾	38.0 W	≥80	3100 lm	3500 lm	4000 K	LUMILUX Cool White	16 mm	849.00 mm	35.0 °C	19000 h ²⁾
HO 39 W/865 ¹⁾	38.0 W	≥80	2850 lm	3325 lm	6500 K	LUMILUX Cool Daylight	16 mm	849.00 mm	35.0 °C	19000 h ²⁾
HO 49 W/827 ¹⁾	49.2 W	≥80	4310 lm	4900 lm	2700 K	LUMILUX INTERNA	16 mm	1449.00 mm	35.0 °C	19000 h ²⁾
HO 49 W/830 ¹⁾	49.2 W	≥80	4310 lm	4900 lm	3000 K	LUMILUX Warm White	16 mm	1449.00 mm	35.0 °C	19000 h ²⁾

Product family datasheet

Product description	Electrical data	Photometrical data					Dimensions & weight		Temperatures	Lifespan
	Nominal wattage	Color rendering index Ra	Luminous flux at 25 °C	Luminous flux at 35 °C	Color temperature	Light color (designation)	Tube diameter	Length with base excl. base pins/connection	Rated ambient temp.w. max.luminous flux	Service life
HO 49 W/840 ¹⁾	49.2 W	≥80	4310 lm	4900 lm	4000 K	LUMILUX Cool White	16 mm	1449.00 mm	35.0 °C	19000 h ²⁾
HO 49 W/865 ¹⁾	49.2 W	≥80	4100 lm	4600 lm	6500 K	LUMILUX Cool Daylight	16 mm	1449.00 mm	35.0 °C	19000 h ²⁾
HO 49 W/880 ¹⁾	49.2 W	≥80	4050 lm	4610 lm	8000 K	LUMILUX SKYWHITE	16 mm	1449.00 mm	35.0 °C	19000 h ²⁾
HO 54 W/827 ¹⁾	54.1 W	≥80	4450 lm	5000 lm	2700 K	LUMILUX INTERNA	16 mm	1149.00 mm	35.0 °C	19000 h ²⁾
HO 54 W/830 ¹⁾	54.1 W	≥80	4450 lm	5000 lm	3000 K	LUMILUX Warm White	16 mm	1149.00 mm	35.0 °C	19000 h ²⁾
HO 54 W/835 ¹⁾	54.1 W	≥80	4450 lm	5000 lm	3500 K	LUMILUX White	16 mm	1149.00 mm	35.0 °C	19000 h ²⁾
HO 54 W/840 ¹⁾	54.1 W	≥80	4450 lm	5000 lm	4000 K	LUMILUX Cool White	16 mm	1149.00 mm	35.0 °C	19000 h ²⁾
HO 54 W/865 ¹⁾	54.1 W	≥80	4100 lm	4750 lm	6500 K	LUMILUX Cool Daylight	16 mm	1149.00 mm	35.0 °C	19000 h ²⁾
HO 54 W/880 ¹⁾	54.1 W	≥80	4500 lm	4500 lm	8000 K	LUMILUX SKYWHITE	16 mm	1149.00 mm	35.0 °C	19000 h ²⁾
HO 80 W/827 ¹⁾	79.8 W	≥80	6150 lm	7000 lm	2700 K	LUMILUX INTERNA	16 mm	1449.00 mm	35.0 °C	19000 h ²⁾
HO 80 W/830 ¹⁾	79.8 W	≥80	6150 lm	7000 lm	3000 K	LUMILUX Warm White	16 mm	1449.00 mm	35.0 °C	19000 h ²⁾
HO 80 W/840 ¹⁾	79.8 W	≥80	6150 lm	7000 lm	4000 K	LUMILUX Cool White	16 mm	1449.00 mm	35.0 °C	19000 h ²⁾

Product family datasheet

Product description	Electrical data	Photometrical data					Dimensions & weight		Temperatures	Lifespan
	Nominal wattage	Color rendering index Ra	Luminous flux at 25 °C	Luminous flux at 35 °C	Color temperature	Light color (designation)	Tube diameter	Length with base excl. base pins/connection	Rated ambient temp.w. max.luminous flux	Service life
HO 80 W/865 ¹⁾	79.8 W	≥80	5700 lm	6650 lm	6500 K	LUMILUX Cool Daylight	16 mm	1449.00 mm	35.0 °C	19000 h ²⁾
HO 80 W/880 ¹⁾	79.8 W	≥80	5550 lm	6400 lm	8000 K	LUMILUX SKYWHITE	16 mm	1449.00 mm	35.0 °C	19000 h ²⁾

Product description	Lifespan	Additional product data		Capabilities		Certificates & standards	
		Base (standard designation)	Appropriate disposal acc. to WEEE	Dimmable	Suitable for indoor	Energy consumption	Energy efficiency class
HO 24 W/827 ¹⁾	24000 h ²⁾	G5	Yes	Yes	Yes	25 kWh/1000h	A
HO 24 W/830 ¹⁾	24000 h ²⁾	G5	Yes	Yes	Yes	25 kWh/1000h	A
HO 24 W/835 ¹⁾	24000 h ²⁾	G5	Yes	Yes	Yes	25 kWh/1000h	A
HO 24 W/840 ¹⁾	24000 h ²⁾	G5	Yes	Yes	Yes	25 kWh/1000h	A
HO 24 W/865 ¹⁾	24000 h ²⁾	G5	Yes	Yes	Yes	25 kWh/1000h	A
HO 24 W/880 ¹⁾	24000 h ²⁾	G5	Yes	Yes	Yes	25 kWh/1000h	A
HO 39 W/827 ¹⁾	24000 h ²⁾	G5	Yes	Yes	Yes	42 kWh/1000h	A+
HO 39 W/830 ¹⁾	24000 h ²⁾	G5	Yes	Yes	Yes	42 kWh/1000h	A+
HO 39 W/840 ¹⁾	24000 h ²⁾	G5	Yes	Yes	Yes	42 kWh/1000h	A+
HO 39 W/865 ¹⁾	24000 h ²⁾	G5	Yes	Yes	Yes	42 kWh/1000h	A
HO 49 W/827 ¹⁾	24000 h ²⁾	G5	Yes	Yes	Yes	55 kWh/1000h	A+
HO 49 W/830 ¹⁾	24000 h ²⁾	G5	Yes	Yes	Yes	55 kWh/1000h	A+
HO 49 W/840 ¹⁾	24000 h ²⁾	G5	Yes	Yes	Yes	55 kWh/1000h	A+

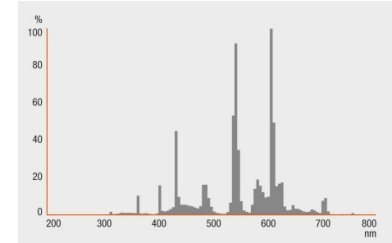
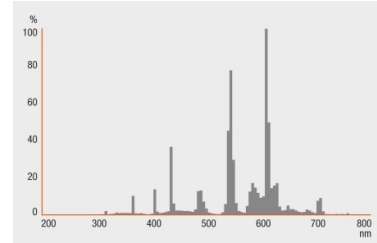
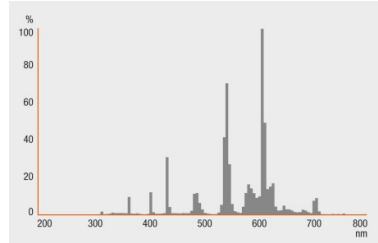
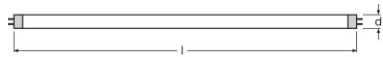
Product family datasheet

Product description	Lifespan	Additional product data		Capabilities		Certificates & standards	
		Base (standard designation)	Appropriate disposal acc. to WEEE	Dimmable	Suitable for indoor	Energy consumption	Energy efficiency class
HO 49 W/865 ¹⁾	24000 h ²⁾	G5	Yes	Yes	Yes	55 kWh/1000h	A+
HO 49 W/880 ¹⁾	24000 h ²⁾	G5	Yes	Yes	Yes	55 kWh/1000h	A+
HO 54 W/827 ¹⁾	24000 h ²⁾	G5	Yes	Yes	Yes	60 kWh/1000h	A+
HO 54 W/830 ¹⁾	24000 h ²⁾	G5	Yes	Yes	Yes	60 kWh/1000h	A+
HO 54 W/835 ¹⁾	24000 h ²⁾	G5	Yes	Yes	Yes	60 kWh/1000h	A+
HO 54 W/840 ¹⁾	24000 h ²⁾	G5	Yes	Yes	Yes	60 kWh/1000h	A+
HO 54 W/865 ¹⁾	24000 h ²⁾	G5	Yes	Yes	Yes	60 kWh/1000h	A
HO 54 W/880 ¹⁾	24000 h ²⁾	G5	Yes	Yes	Yes	60 kWh/1000h	A
HO 80 W/827 ¹⁾	24000 h ²⁾	G5	Yes	Yes	Yes	88 kWh/1000h	A
HO 80 W/830 ¹⁾	24000 h ²⁾	G5	Yes	Yes	Yes	88 kWh/1000h	A
HO 80 W/840 ¹⁾	24000 h ²⁾	G5	Yes	Yes	Yes	88 kWh/1000h	A
HO 80 W/865 ¹⁾	24000 h ²⁾	G5	Yes	Yes	Yes	88 kWh/1000h	A
HO 80 W/880 ¹⁾	24000 h ²⁾	G5	Yes	Yes	Yes	88 kWh/1000h	A

¹⁾ Suitable for ECG operation only/Lamp designed for internal luminaire temperatures of 30...40 °C; optimum luminous flux achieved at 35 °C

²⁾ With preheat ECG

Product family datasheet



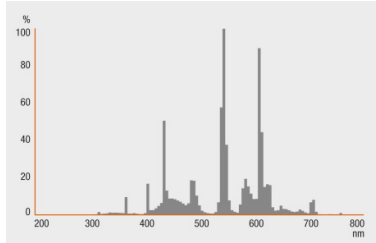
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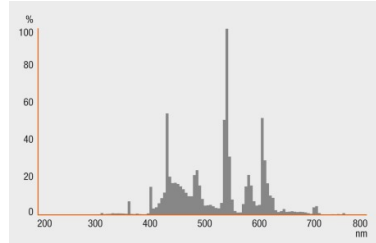
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HO 24 W/835

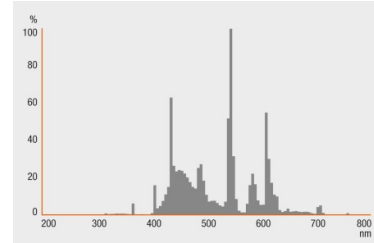
Product family datasheet



HO 24 W/840, HO 39 W/840, HO 49 W/840, HO 54 W/840, HO 80 W/840



HO 24 W/865, HO 39 W/865, HO 49 W/865, HO 54 W/865, HO 80 W/865



HO 24 W/880, HO 49 W/880, HO 54 W/880, HO 80 W/880

System guarantee

OSRAM System+ Guarantee in combination with OSRAM ECGs

Safety advice

In case of lamp breakage: www.osram.com/brokenlamp

Application advice

For more detailed application information and graphics please see product datasheet.

Product family datasheet

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321330536	HO 24 W/827	Shipping carton box 10	633 mm x 51 mm x 232 mm	7.49 dm ³	944.00 g
4050300646077	HO 24 W/827	Shipping carton box 20	587 mm x 90 mm x 110 mm	5.81 dm ³	1473.00 g
4050300453491	HO 24 W/830	Shipping carton box 40	600 mm x 88 mm x 194 mm	10.24 dm ³	2485.00 g
4050300591667	HO 24 W/830	Shipping carton box 20	587 mm x 90 mm x 110 mm	5.81 dm ³	1473.00 g
4050300776439	HO 24 W/835	Shipping carton box 20	587 mm x 90 mm x 110 mm	5.81 dm ³	1473.00 g
4050300453477	HO 24 W/840	Shipping carton box 40	600 mm x 83 mm x 194 mm	9.66 dm ³	2409.00 g
4050300591643	HO 24 W/840	Shipping carton box 20	582 mm x 83 mm x 104 mm	5.02 dm ³	1351.00 g
4050300453453	HO 24 W/865	Shipping carton box 40	600 mm x 83 mm x 194 mm	9.66 dm ³	2449.00 g
4050300591629	HO 24 W/865	Shipping carton box 20	587 mm x 90 mm x 110 mm	5.81 dm ³	1626.00 g
4008321081469	HO 24 W/880	Shipping carton box 20	587 mm x 90 mm x 110 mm	5.81 dm ³	1473.00 g
4008321330512	HO 39 W/827	Shipping carton box 10	933 mm x 46 mm x 232 mm	9.96 dm ³	1394.00 g
4050300646138	HO 39 W/827	Shipping carton box 40	900 mm x 88 mm x 194 mm	15.36 dm ³	3530.00 g
4050300453552	HO 39 W/830	Shipping carton box 40	900 mm x 83 mm x 194 mm	14.49 dm ³	3414.00 g

Product family datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300591728	HO 39 W/830	Shipping carton box 20	887 mm x 90 mm x 110 mm	8.78 dm ³	2134.00 g
4050300453538	HO 39 W/840	Shipping carton box 40	900 mm x 93 mm x 194 mm	16.24 dm ³	3614.00 g
4050300591704	HO 39 W/840	Shipping carton box 20	882 mm x 83 mm x 104 mm	7.61 dm ³	2060.00 g
4050300453514	HO 39 W/865	Shipping carton box 40	900 mm x 92 mm x 194 mm	16.06 dm ³	4054.00 g
4050300591681	HO 39 W/865	Shipping carton box 20	882 mm x 83 mm x 104 mm	7.61 dm ³	2280.00 g
4050300796772	HO 49 W/827	Shipping carton box 20	1482 mm x 83 mm x 104 mm	12.79 dm ³	3450.00 g
4050300657158	HO 49 W/830	Shipping carton box 40	1500 mm x 97 mm x 194 mm	28.23 dm ³	6090.00 g
4050300796758	HO 49 W/830	Shipping carton box 20	1482 mm x 94 mm x 104 mm	14.49 dm ³	3510.00 g
4050300657134	HO 49 W/840	Shipping carton box 40	1500 mm x 93 mm x 194 mm	27.06 dm ³	6258.00 g
4050300796710	HO 49 W/840	Shipping carton box 20	1482 mm x 83 mm x 104 mm	12.79 dm ³	3450.00 g
4008321110732	HO 49 W/865	Shipping carton box 40	1500 mm x 94 mm x 194 mm	27.35 dm ³	6258.00 g
4050300796628	HO 49 W/865	Shipping carton box 20	1482 mm x 83 mm x 104 mm	12.79 dm ³	3450.00 g
4008321907486	HO 49 W/880	Shipping carton box 20	1482 mm x 104 mm x 83 mm	12.79 dm ³	3450.00 g
4008321331304	HO 54 W/827	Shipping carton box 10	1233 mm x 46 mm x 232 mm	13.16 dm ³	1520.00 g

Product family datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300646152	HO 54 W/827	Shipping carton box 20	1182 mm x 83 mm x 104 mm	10.20 dm ³	2712.50 g
4050300453415	HO 54 W/830	Shipping carton box 40	1200 mm x 83 mm x 194 mm	19.32 dm ³	4813.00 g
4050300591605	HO 54 W/830	Shipping carton box 20	1182 mm x 83 mm x 104 mm	10.20 dm ³	2712.50 g
4050300776477	HO 54 W/835	Shipping carton box 20	1182 mm x 92 mm x 104 mm	11.31 dm ³	2712.50 g
4050300453392	HO 54 W/840	Shipping carton box 40	1200 mm x 83 mm x 194 mm	19.32 dm ³	4713.00 g
4050300591582	HO 54 W/840	Shipping carton box 20	1182 mm x 83 mm x 91 mm	8.93 dm ³	2662.50 g
4050300453378	HO 54 W/865	Shipping carton box 40	1200 mm x 98 mm x 194 mm	22.81 dm ³	4713.00 g
4050300591568	HO 54 W/865	Shipping carton box 20	1182 mm x 83 mm x 104 mm	10.20 dm ³	2662.50 g
4008321070425	HO 54 W/880	Shipping carton box 20	1182 mm x 83 mm x 104 mm	10.20 dm ³	2712.50 g
4050300646213	HO 80 W/827	Shipping carton box 40	1500 mm x 83 mm x 194 mm	24.15 dm ³	6258.00 g
4050300515137	HO 80 W/830	Shipping carton box 40	1500 mm x 96 mm x 194 mm	27.94 dm ³	6258.00 g
4050300591827	HO 80 W/830	Shipping carton box 20	1482 mm x 104 mm x 91 mm	14.03 dm ³	3450.00 g
4050300515151	HO 80 W/840	Shipping carton box 40	1500 mm x 83 mm x 194 mm	24.15 dm ³	6258.00 g
4050300591841	HO 80 W/840	Shipping carton box 20	1482 mm x 83 mm x 104 mm	12.79 dm ³	3450.00 g

Product family datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300515113	HO 80 W/865	Shipping carton box 40	1500 mm x 107 mm x 194 mm	31.14 dm ³	6258.00 g
4050300591803	HO 80 W/865	Shipping carton box 20	1482 mm x 83 mm x 104 mm	12.79 dm ³	3450.00 g
4008321070449	HO 80 W/880	Shipping carton box 20	1482 mm x 83 mm x 104 mm	12.79 dm ³	3450.00 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 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.