

PRODUCT FAMILY DATASHEET

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

Product description	Electrical data	Photometrical data								Dimensions & weight	
	Nominal wattage	Color rendering index Ra	Luminous flux at 25 °C	Luminous flux at 35 °C	Color temperature	Light color (designation)	Color temperature	Luminous flux	Color rendering index Ra	Tube diameter	Length with base excl. base pins/connection
HO 24 W/827 ¹⁾	24.00 W	≥80	1750 lm	2000 lm	2700 K	LUMILUX INTERNA	2700 K	1750 lm	≥80	16 mm	549.00 mm
HO 24 W/830 ¹⁾	24.00 W	≥80	1750 lm	2000 lm	3000 K	LUMILUX Warm White	3000 K	1750 lm	≥80	16 mm	549.00 mm
HO 24 W/840 ¹⁾	24.00 W	≥80	1750 lm	2000 lm	4000 K	LUMILUX Cool White	4000 K	1750 lm	≥80	16 mm	549.00 mm
HO 24 W/865 ¹⁾	24.00 W	≥80	1600 lm	1900 lm	6500 K	LUMILUX Cool Daylight	6500 K	1600 lm	≥80	16 mm	549.00 mm
HO 39 W/827 ¹⁾	38.00 W	≥80	3100 lm	3500 lm	2700 K	LUMILUX INTERNA	2700 K	3100 lm	≥80	16 mm	849.00 mm
HO 39 W/865 ¹⁾	39.00 W	≥80	2850 lm	3325 lm	6500 K	LUMILUX Cool Daylight	6500 K	2850 lm	≥80	16 mm	849.00 mm
HO 39 W/830 ¹⁾	39.00 W	≥80	3100 lm	3500 lm	3000 K	LUMILUX Warm White	3000 K	3100 lm	≥80	16 mm	849.00 mm
HO 39 W/840 ¹⁾	39.00 W	≥80	3100 lm	3500 lm	4000 K	LUMILUX Cool White	4000 K	3100 lm	≥80	16 mm	849.00 mm
HO 49 W/827 ¹⁾	49.00 W	≥80	4310 lm	4900 lm	2700 K	LUMILUX INTERNA	2700 K	4310 lm	≥80	16 mm	1449.00 mm
HO 49 W/830 ¹⁾	49.00 W	≥80	4310 lm	4900 lm	3000 K	LUMILUX Warm White	3000 K	4310 lm	≥80	16 mm	1449.00 mm
HO 49 W/840 ¹⁾	49.00 W	≥80	4310 lm	4900 lm	4000 K	LUMILUX Cool White	4000 K	4310 lm	≥80	16 mm	1449.00 mm
HO 49 W/865 ¹⁾	49.00 W	≥80	4100 lm	4600 lm	6500 K	LUMILUX Cool Daylight	6500 K	4100 lm	≥80	16 mm	1449.00 mm
HO 54 W/827 ¹⁾	54.00 W	≥80	4450 lm	5000 lm	2700 K	LUMILUX INTERNA	2700 K	4450 lm	≥80	16 mm	1149.00 mm
HO 54 W/830 ¹⁾	54.00 W	≥80	4450 lm	5000 lm	3000 K	LUMILUX Warm White	3000 K	4450 lm	≥80	16 mm	1149.00 mm
HO 54 W/835 ¹⁾	54.00 W	≥80	4450 lm	5000 lm	3500 K	LUMILUX White	3500 K	4450 lm	≥80	16 mm	1149.00 mm

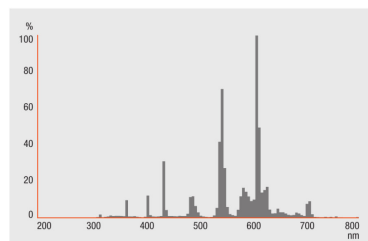
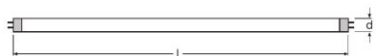
Product description	Electrical data	Photometrical data								Dimensions & weight	
	Nominal wattage	Color rendering index Ra	Luminous flux at 25 °C	Luminous flux at 35 °C	Color temperature	Light color (designation)	Color temperature	Luminous flux	Color rendering index Ra	Tube diameter	Length with base excl. base pins/connection
HO 54 W/840 ¹⁾	54.00 W	≥80	4450 lm	5000 lm	4000 K	LUMILUX Cool White	4000 K	4450 lm	≥80	16 mm	1149.00 mm
HO 54 W/865 ¹⁾	54.00 W	≥80	4100 lm	4750 lm	6500 K	LUMILUX Cool Daylight	6500 K	4100 lm	≥80	16 mm	1149.00 mm
HO 80 W/827 ¹⁾	80.00 W	≥80	6150 lm	7000 lm	2700 K	LUMILUX INTERNA	2700 K	6150 lm	≥80	16 mm	1449.00 mm
HO 80 W/830 ¹⁾	80.00 W	≥80	6150 lm	7000 lm	3000 K	LUMILUX Warm White	3000 K	6150 lm	≥80	16 mm	1449.00 mm
HO 80 W/840 ¹⁾	80.00 W	≥80	6150 lm	7000 lm	4000 K	LUMILUX Cool White	4000 K	6150 lm	≥80	16 mm	1449.00 mm
HO 80 W/865 ¹⁾	80.00 W	≥80	5700 lm	6650 lm	6500 K	LUMILUX Cool Daylight	6500 K	5700 lm	≥80	16 mm	1449.00 mm

Product description	Temperatures & operating conditions	Lifespan		Additional product data		Capabilities	Certificates & standards	
	Rated ambient temp.w. max.luminous flux	Service life	Lifespan	Base (standard designation)	Show WEEE picto	Dimmable	Energy efficiency class	Energy consumption
HO 24 W/827 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	G5	Yes	Yes	A	25 kWh/1000h
HO 24 W/830 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	G5	Yes	Yes	A	25 kWh/1000h
HO 24 W/840 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	G5	Yes	Yes	A	25 kWh/1000h
HO 24 W/865 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	G5	Yes	Yes	A	25 kWh/1000h
HO 39 W/827 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	G5	Yes	Yes	A+	42 kWh/1000h
HO 39 W/865 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	G5	Yes	Yes	A	42 kWh/1000h
HO 39 W/830 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	G5	Yes	Yes	A+	42 kWh/1000h

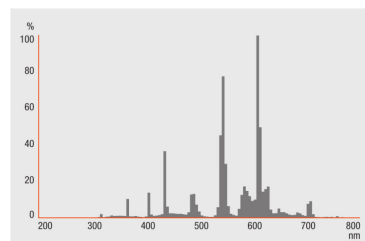
Product description	Temperatures & operating conditions	Lifespan		Additional product data		Capabilities	Certificates & standards	
	Rated ambient temp.w. max.luminous flux	Service life	Lifespan	Base (standard designation)	Show WEEE picto	Dimmable	Energy efficiency class	Energy consumption
HO 39 W/840 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	G5	Yes	Yes	A+	42 kWh/1000h
HO 49 W/827 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	G5	Yes	Yes	A+	55 kWh/1000h
HO 49 W/830 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	G5	Yes	Yes	A+	55 kWh/1000h
HO 49 W/840 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	G5	Yes	Yes	A+	55 kWh/1000h
HO 49 W/865 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	G5	Yes	Yes	A+	55 kWh/1000h
HO 54 W/827 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	G5	Yes	Yes	A+	60 kWh/1000h
HO 54 W/830 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	G5	Yes	Yes	A+	60 kWh/1000h
HO 54 W/835 ¹⁾		19000 h ²⁾	24000 h ²⁾	G5	Yes	Yes		
HO 54 W/840 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	G5	Yes	Yes	A+	60 kWh/1000h
HO 54 W/865 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	G5	Yes	Yes	A	60 kWh/1000h
HO 80 W/827 ¹⁾		19000 h ²⁾	24000 h ²⁾	G5	Yes	Yes		
HO 80 W/830 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	G5	Yes	Yes	A	88 kWh/1000h
HO 80 W/840 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	G5	Yes	Yes	A	88 kWh/1000h
HO 80 W/865 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	G5	Yes	Yes	A	88 kWh/1000h

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

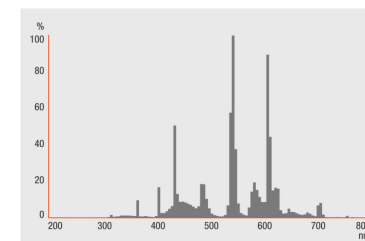
²⁾ With preheat ECG



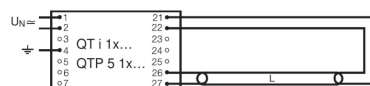
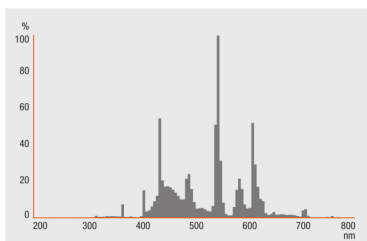
HO 24 W/827, HO 39 W/827, HO 49 W/827, HO 54 W/827



HO 24 W/830, HO 39 W/830, HO 49 W/830, HO 54 W/830, HO 80 W/830



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/827, HO 24 W/830, HO 24 W/840, HO 24 W/865, HO 39 W/827, HO 39 W/865, HO 39 W/830, HO 39 W/840, HO 49 W/827, HO 49 W/830, HO 49 W/840, HO 49 W/865, HO 54 W/827, HO 54 W/830, HO 54 W/835, HO 54 W/840, HO 54 W/865, HO 80 W/827, HO 80 W/830, HO 80 W/840, HO 80 W/865

HO 24 W/827, HO 24 W/830, HO 24 W/840, HO 24 W/865, HO 39 W/827, HO 39 W/865, HO 39 W/830, HO 39 W/840, HO 49 W/827, HO 49 W/830, HO 49 W/840, HO 49 W/865, HO 54 W/827, HO 54 W/830, HO 54 W/835, HO 54 W/840, HO 54 W/865, HO 80 W/827, HO 80 W/830, HO 80 W/840, HO 80 W/865

SYSTEM GUARANTEE

OSRAM System+ Guarantee in combination with OSRAM ECGs

SAFETY ADVICE

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

APPLICATION ADVICE

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

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008321330543	Shipping carton box 10	633 mm x 51 mm x 232 mm	944.00 g	7.49 dm ³
4050300646084	Shipping carton box 20	587 mm x 90 mm x 110 mm	1473.00 g	5.81 dm ³
4050300453507	Shipping carton box 40	594 mm x 199 mm x 87 mm	2071.00 g	10.28 dm ³
4050300591674	Shipping carton box 20	587 mm x 90 mm x 110 mm	1473.00 g	5.81 dm ³
4050300453484	Shipping carton box 40	594 mm x 199 mm x 87 mm	2151.00 g	10.28 dm ³
4050300591650	Shipping carton box 20	582 mm x 83 mm x 104 mm	1351.00 g	5.02 dm ³
4050300453460	Shipping carton box 40	594 mm x 199 mm x 87 mm	2151.00 g	10.28 dm ³
4050300591636	Shipping carton box 20	587 mm x 90 mm x 110 mm	1626.00 g	5.81 dm ³
4008321330529	Shipping carton box 10	933 mm x 46 mm x 232 mm	1394.00 g	9.96 dm ³
4050300646145	Shipping carton box 40	896 mm x 199 mm x 87 mm	3208.00 g	15.51 dm ³
4050300453521	Shipping carton box 40	896 mm x 199 mm x 87 mm	3208.00 g	15.51 dm ³
4050300591698	Shipping carton box 20	882 mm x 83 mm x 104 mm	2280.00 g	7.61 dm ³
4050300453569	Shipping carton box 40	896 mm x 199 mm x 87 mm	3208.00 g	15.51 dm ³
4050300591735	Shipping carton box 20	887 mm x 90 mm x 110 mm	2134.00 g	8.78 dm ³
4050300453545	Shipping carton box 40	896 mm x 199 mm x 87 mm	3208.00 g	15.51 dm ³

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300591711	Shipping carton box 20	882 mm x 83 mm x 104 mm	2060.00 g	7.61 dm ³
4008321110664	Shipping carton box 20	1482 mm x 83 mm x 104 mm	3450.00 g	12.79 dm ³
4050300657165	Shipping carton box 40	1496 mm x 199 mm x 87 mm	5182.00 g	25.90 dm ³
4008321110671	Shipping carton box 20	1482 mm x 94 mm x 104 mm	3510.00 g	14.49 dm ³
4050300657141	Shipping carton box 40	1496 mm x 199 mm x 87 mm	5182.00 g	25.90 dm ³
4008321110688	Shipping carton box 20	1482 mm x 83 mm x 104 mm	3450.00 g	12.79 dm ³
4008321110749	Shipping carton box 40	1496 mm x 199 mm x 87 mm	5422.00 g	25.90 dm ³
4008321110695	Shipping carton box 20	1482 mm x 83 mm x 104 mm	3450.00 g	12.79 dm ³
4008321331311	Shipping carton box 10	1233 mm x 46 mm x 232 mm	1520.00 g	13.16 dm ³
4050300646169	Shipping carton box 20	1182 mm x 83 mm x 104 mm	2712.50 g	10.20 dm ³
4050300453422	Shipping carton box 40	1194 mm x 199 mm x 87 mm	4222.00 g	20.67 dm ³
4050300591612	Shipping carton box 20	1182 mm x 83 mm x 104 mm	2712.50 g	10.20 dm ³
4050300776484	Shipping carton box 20	1182 mm x 92 mm x 104 mm	2712.50 g	11.31 dm ³
4050300453408	Shipping carton box 40	1194 mm x 199 mm x 87 mm	4222.00 g	20.67 dm ³
4050300591599	Shipping carton box 20	1182 mm x 83 mm x 91 mm	2662.50 g	8.93 dm ³
4050300453385	Shipping carton box 40	1194 mm x 199 mm x 87 mm	4222.00 g	20.67 dm ³

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300591575	Shipping carton box 20	1182 mm x 83 mm x 104 mm	2662.50 g	10.20 dm ³
4050300646220	Shipping carton box 40	1496 mm x 199 mm x 87 mm	6062.00 g	25.90 dm ³
4050300515144	Shipping carton box 40	1496 mm x 199 mm x 87 mm	5182.00 g	25.90 dm ³
4050300591834	Shipping carton box 20	1482 mm x 104 mm x 91 mm	3058.00 g	14.03 dm ³
4050300515168	Shipping carton box 40	1496 mm x 199 mm x 87 mm	5182.00 g	25.90 dm ³
4050300591858	Shipping carton box 20	1482 mm x 83 mm x 104 mm	3450.00 g	12.79 dm ³
4050300515120	Shipping carton box 40	1496 mm x 199 mm x 87 mm	5182.00 g	25.90 dm ³
4050300591810	Shipping carton box 20	1482 mm x 83 mm x 104 mm	3450.00 g	12.79 dm ³

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.ledvance.com/system-guarantee

DISCLAIMER

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