

LUMILUX T5 HE

Tubular fluorescent lamps 16 mm, high efficiency, with G5 base



Areas of application

- Public buildings
- Offices
- Shops
- Supermarkets and department stores
- Industry
- Outdoor applications only in suitable luminaires

Product benefits

- Good economy and efficiency
- Up to 20 % more economical than LUMILUX T8
- Up to 50 % smaller volume than comparable T8 lamps

Product features

- Luminous efficacy: up to 104 lm/W
- 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
	Nominal voltage	Nominal wattage	Color rendering index Ra	Light color	Rated color temperature	Tube diameter
HE 14 W/827 ¹⁾	220 V	14.00 W	≥80	2700	2700 K	16 mm
HE 14 W/830 ¹⁾	220 V	14.00 W	≥80	3000	3000 K	16 mm
HE 14 W/840 ¹⁾	220 V	14.00 W	≥80	4000	4000 K	16 mm
HE 14 W/865 ¹⁾	220 V	14.00 W	≥80	6500	6500 K	16 mm
HE 21 W/827 ¹⁾	220 V	21.00 W	≥80	2700	2700 K	16 mm
HE 21 W/830 ¹⁾	220 V	21.00 W	≥80	3000	3000 K	16 mm
HE 21 W/840 ¹⁾	220 V	21.00 W	≥80	4000	4000 K	16 mm
HE 21 W/865 ¹⁾	220 V	21.00 W	≥80	6500	6500 K	16 mm
HE 28 W/827 ¹⁾	220 V	28.00 W	≥80	2700	2700 K	16 mm
HE 28 W/830 ¹⁾	220 V	28.00 W	≥80	3000	3000 K	16 mm
HE 28 W/840 ¹⁾	220 V	28.00 W	≥80	4000	4000 K	16 mm
HE 28 W/865 ¹⁾	220 V	28.00 W	≥80	6500	6500 K	16 mm
HE 35 W/827 ¹⁾	220 V	35.00 W	≥80	2700	2700 K	16 mm
HE 35 W/830 ¹⁾	209 V	35.00 W	≥80	3000	3000 K	16 mm
HE 35 W/835 ¹⁾		35.00 W	≥80	3500	3500 K	16 mm
HE 35 W/840 ¹⁾	220 V	35.00 W	≥80	4000	4000 K	16 mm
HE 35 W/865 ¹⁾	220 V	35.00 W	≥80	6500	6500 K	16 mm

Product description	Temperatures & operating conditions	Lifespan				
	Rated ambient temp.w.max.luminous flux	Service life	Lifespan	Rated lamp survival factor at 2,000 h	Rated lamp survival factor at 4,000 h	Rated lamp survival factor at 6,000 h
HE 14 W/827 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	0.99	0.99	0.99
HE 14 W/830 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	0.99	0.99	0.99
HE 14 W/840 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	0.99	0.99	0.99
HE 14 W/865 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	0.99	0.99	0.99

Product family datasheet

Product description	Temperatures & operating conditions	Lifespan				
	Rated ambient temp.w.max.luminous flux	Service life	Lifespan	Rated lamp survival factor at 2,000 h	Rated lamp survival factor at 4,000 h	Rated lamp survival factor at 6,000 h
HE 21 W/827 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	0.99	0.99	0.99
HE 21 W/830 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	0.99	0.99	0.99
HE 21 W/840 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	0.99	0.99	0.99
HE 21 W/865 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	0.99	0.99	0.99
HE 28 W/827 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	0.99	0.99	0.99
HE 28 W/830 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	0.99	0.99	0.99
HE 28 W/840 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	0.99	0.99	0.99
HE 28 W/865 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	0.99	0.99	0.99
HE 35 W/827 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	0.99	0.99	0.99
HE 35 W/830 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	0.99	0.99	0.99
HE 35 W/835 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	0.99	0.99	0.99
HE 35 W/840 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	0.99	0.99	0.99
HE 35 W/865 ¹⁾	35.0 °C	19000 h ²⁾	24000 h ²⁾	0.99	0.99	0.99

Product description	Rated lamp survival factor at 8,000 h	Rated lamp survival factor at 12,000 h	Rated lamp survival factor at 16,000 h	Rated lamp survival factor at 20,000 h	Operation mode LLMF/LSF	Rated lamp life time
HE 14 W/827 ¹⁾	0.99	0.99	0.97	0.85	HF	24000 h
HE 14 W/830 ¹⁾	0.99	0.99	0.90	0.50	HF	24000 h
HE 14 W/840 ¹⁾	0.99	0.99	0.97	0.85	HF	24000 h
HE 14 W/865 ¹⁾	0.99	0.99	0.97	0.85	HF	24000 h
HE 21 W/827 ¹⁾	0.99	0.99	0.97	0.85	HF	24000 h
HE 21 W/830 ¹⁾	0.99	0.99	0.97	0.85	HF	24000 h
HE 21 W/840 ¹⁾	0.99	0.99	0.97	0.85	HF	24000 h
HE 21 W/865 ¹⁾	0.99	0.99	0.97	0.85	HF	24000 h

Product family datasheet

Product description	Rated lamp survival factor at 8,000 h	Rated lamp survival factor at 12,000 h	Rated lamp survival factor at 16,000 h	Rated lamp survival factor at 20,000 h	Operation mode LLMF/LSF	Rated lamp life time
HE 28 W/827 ¹⁾	0.99	0.99	0.97	0.85	HF	24000 h
HE 28 W/830 ¹⁾	0.99	0.99	0.97	0.85	HF	24000 h
HE 28 W/840 ¹⁾	0.99	0.99	0.97	0.85	HF	24000 h
HE 28 W/865 ¹⁾	0.99	0.99	0.97	0.85	HF	24000 h
HE 35 W/827 ¹⁾	0.99	0.99	0.97	0.85	HF	24000 h
HE 35 W/830 ¹⁾	0.99	0.99	0.97	0.85	HF	24000 h
HE 35 W/835 ¹⁾	0.99	0.99	0.97	0.85	HF	24000 h
HE 35 W/840 ¹⁾	0.99	0.99	0.97	0.85	HF	24000 h
HE 35 W/865 ¹⁾	0.99	0.99	0.97	0.85	HF	24000 h

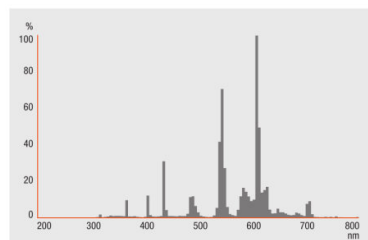
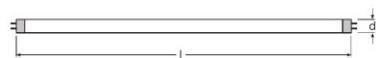
Product description	Additional product data	Capabilities		Certificates & standards	
	Base (standard designation)	Dimmable	Suitable for indoor	Energy consumption	Energy efficiency class
HE 14 W/827 ¹⁾	G5	Yes	Yes	16 kWh/1000h	A+
HE 14 W/830 ¹⁾	G5	Yes	Yes	16 kWh/1000h	A+
HE 14 W/840 ¹⁾	G5	Yes	Yes	16 kWh/1000h	A+
HE 14 W/865 ¹⁾	G5	Yes	Yes	16 kWh/1000h	A
HE 21 W/827 ¹⁾	G5	Yes	Yes	23 kWh/1000h	A+
HE 21 W/830 ¹⁾	G5	Yes	Yes	23 kWh/1000h	A+
HE 21 W/840 ¹⁾	G5	Yes	Yes	23 kWh/1000h	A+
HE 21 W/865 ¹⁾	G5	Yes	Yes	23 kWh/1000h	A+
HE 28 W/827 ¹⁾	G5	Yes	Yes	31 kWh/1000h	A+
HE 28 W/830 ¹⁾	G5	Yes	Yes	31 kWh/1000h	A+
HE 28 W/840 ¹⁾	G5	Yes	Yes	31 kWh/1000h	A+
HE 28 W/865 ¹⁾	G5	Yes	Yes	31 kWh/1000h	A+
HE 35 W/827 ¹⁾	G5	Yes	Yes	40 kWh/1000h	A+
HE 35 W/830 ¹⁾	G5	Yes	Yes	40 kWh/1000h	A+

Product family datasheet

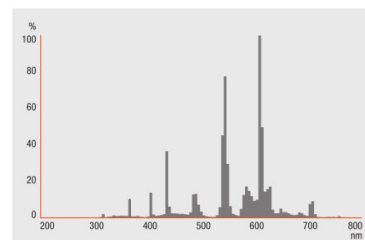
Product description	Additional product data Base (standard designation)	Capabilities		Certificates & standards	
		Dimmable	Suitable for indoor	Energy consumption	Energy efficiency class
HE 35 W/835 ¹⁾	G5	Yes	Yes	40 kWh/1000h	A+
HE 35 W/840 ¹⁾	G5	Yes	Yes	40 kWh/1000h	A+
HE 35 W/865 ¹⁾	G5	Yes	Yes	40 kWh/1000h	A+

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

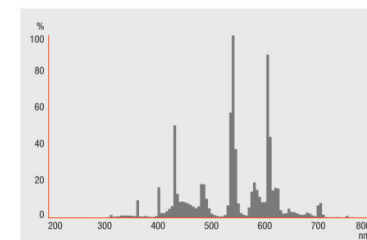
²⁾ With preheat ECG



HE 14 W/827, HE 21 W/827, HE 28 W/827, HE 35 W/827



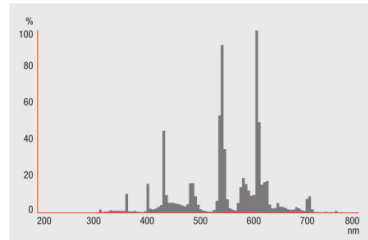
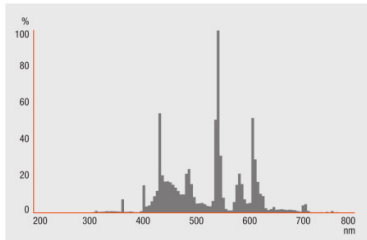
HE 14 W/830, HE 21 W/830, HE 28 W/830, HE 35 W/830



HE 14 W/840, HE 21 W/840, HE 28 W/840, HE 35 W/840

Product family datasheet

HE 35 W/840, HE 35 W/865



HE 14 W/865, HE 21 W/865, HE 28
W/865, HE 35 W/865

HE 35 W/835

System guarantee

OSRAM System+ Guarantee in combination with OSRAM ECGs

Product family datasheet

Safety advice

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

Application advice

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

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300645919	HE 14 W/827	Shipping carton box 20	582 mm x 83 mm x 104 mm	5.02 dm ³	1371.00 g
4050300645933	HE 14 W/827	Shipping carton box 40	598 mm x 95 mm x 198 mm	11.25 dm ³	2580.00 g
4050300464824	HE 14 W/830	Shipping carton box 40	600 mm x 83 mm x 194 mm	9.66 dm ³	2449.00 g
4050300591520	HE 14 W/830	Shipping carton box 20	587 mm x 90 mm x 110 mm	5.81 dm ³	1503.00 g
4050300464688	HE 14 W/840	Shipping carton box 40	598 mm x 95 mm x 198 mm	11.25 dm ³	2580.00 g
4050300591384	HE 14 W/840	Shipping carton box 20	587 mm x 90 mm x 129 mm	6.82 dm ³	1503.00 g
4050300464848	HE 14 W/865	Shipping carton box 40	600 mm x 95 mm x 232 mm	13.22 dm ³	2449.00 g
4050300591544	HE 14 W/865	Shipping carton box 20	587 mm x 90 mm x 110 mm	5.81 dm ³	1349.00 g

Product family datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300645957	HE 21 W/827	Shipping carton box 20	887 mm x 90 mm x 110 mm	8.78 dm ³	2134.00 g
4050300645971	HE 21 W/827	Shipping carton box 40	781 mm x 83 mm x 314 mm	20.35 dm ³	3394.00 g
4050300464800	HE 21 W/830	Shipping carton box 40	900 mm x 92 mm x 194 mm	16.06 dm ³	3622.00 g
4050300591506	HE 21 W/830	Shipping carton box 20	887 mm x 90 mm x 110 mm	8.78 dm ³	2134.00 g
4050300464701	HE 21 W/840	Shipping carton box 40	900 mm x 88 mm x 194 mm	15.36 dm ³	3530.00 g
4050300591407	HE 21 W/840	Shipping carton box 20	887 mm x 90 mm x 110 mm	8.78 dm ³	2134.00 g
4050300464626	HE 21 W/865	Shipping carton box 40	897 mm x 90 mm x 196 mm	15.82 dm ³	3673.20 g
4050300591322	HE 21 W/865	Shipping carton box 20	882 mm x 83 mm x 104 mm	7.61 dm ³	2158.67 g
4050300645995	HE 28 W/827	Shipping carton box 20	1182 mm x 83 mm x 104 mm	10.20 dm ³	2712.50 g
4050300646015	HE 28 W/827	Shipping carton box 40	1198 mm x 95 mm x 198 mm	22.53 dm ³	5234.00 g
4050300464787	HE 28 W/830	Shipping carton box 40	1200 mm x 94 mm x 194 mm	21.88 dm ³	4813.00 g
4050300591483	HE 28 W/830	Shipping carton box 20	1182 mm x 83 mm x 104 mm	10.20 dm ³	2712.50 g
4050300464725	HE 28 W/840	Shipping carton box 40	1200 mm x 83 mm x 194 mm	19.32 dm ³	4813.00 g
4050300591421	HE 28 W/840	Shipping carton box 20	1182 mm x 83 mm x 104 mm	10.20 dm ³	2712.50 g

Product family datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300464640	HE 28 W/865	Shipping carton box 40	1200 mm x 92 mm x 194 mm	21.42 dm ³	4813.00 g
4050300591346	HE 28 W/865	Shipping carton box 20	1182 mm x 83 mm x 104 mm	10.20 dm ³	2712.50 g
4050300646039	HE 35 W/827	Shipping carton box 20	1482 mm x 93 mm x 104 mm	14.33 dm ³	3450.00 g
4050300646053	HE 35 W/827	Shipping carton box 40	1500 mm x 83 mm x 194 mm	24.15 dm ³	6258.00 g
4050300464763	HE 35 W/830	Shipping carton box 40	1500 mm x 93 mm x 194 mm	27.06 dm ³	6258.00 g
4050300591469	HE 35 W/830	Shipping carton box 20	1482 mm x 83 mm x 104 mm	12.79 dm ³	3450.00 g
4050300776415	HE 35 W/835	Shipping carton box 20	1482 mm x 83 mm x 104 mm	12.79 dm ³	3450.00 g
4050300464749	HE 35 W/840	Shipping carton box 40	1500 mm x 94 mm x 194 mm	27.35 dm ³	6258.00 g
4050300591445	HE 35 W/840	Shipping carton box 20	1482 mm x 83 mm x 104 mm	12.79 dm ³	3450.00 g
4050300464664	HE 35 W/865	Shipping carton box 40	1500 mm x 83 mm x 194 mm	24.15 dm ³	6258.00 g
4050300591360	HE 35 W/865	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

Product family datasheet

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

▶ www.osram.com/system-guarantee

Disclaimer

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