

# Product family datasheet

## LUMILUX T5 HE

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

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



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



## Product family datasheet

### Technical data

Product description	Electrical data				Photometrical data		
	Nominal voltage	Nominal wattage	Rated wattage	Nominal current	Color rendering index Ra	Rated luminous flux	Light color
HE 14 W/827 <sup>1)</sup>	220 V	14.00 W	14.00 W	0.17 A	≥80	1200 lm	827
HE 14 W/830 <sup>1)</sup>	86 V	13.90 W	13.90 W	0.17 A	≥80	1350 lm	830
HE 14 W/840 <sup>1)</sup>				0.17 A A			
HE 21 W/830 <sup>1)</sup>				0.17 A			
HE 21 W/840 <sup>1)</sup>				0.17 A			
HE 21 W/865 <sup>1)</sup>	220 V	21.00 W	20.60 W	0.17 A	≥80	1750 lm	865
HE 28 W/830 <sup>1)</sup>				0.17 A			
HE 28 W/840 <sup>1)</sup>				0.17 A A			
HE 28 W/865 <sup>1)</sup>				0.17 A			
HE 35 W/830 <sup>1)</sup>				0.18 A A			
HE 35 W/840 <sup>1)</sup>				0.18 A A			

Product description	Rated color temperature	Nominal luminous flux	Light color (designation)	Color temperature	Dimensions & weight		
					Tube diameter	Length	Diameter
HE 14 W/827 <sup>1)</sup>	2700 K	1200 lm	LUMILUX INTERNA	2700 K	16 mm	549.0 mm	16.0 mm
HE 14 W/830 <sup>1)</sup>	3000 K	1350 lm	LUMILUX Warm White	3000 K	16 mm	563.2 mm	16.0 mm
HE 14 W/840 <sup>1)</sup>			LUMILUX Cool White		16 mm		
HE 21 W/830 <sup>1)</sup>			LUMILUX Warm White		16 mm		
HE 21 W/840 <sup>1)</sup>			LUMILUX Cool White		16 mm		
HE 21 W/865 <sup>1)</sup>	6500 K	1750 lm	LUMILUX Cool Daylight	6500 K	16 mm	849.0 mm	16.0 mm

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Product description	Rated color temperature	Nominal luminous flux	Light color (designation)	Color temperature	Dimensions & weight		
					Tube diameter	Length	Diameter
HE 28 W/830 <sup>1)</sup>			LUMILUX Warm White		16 mm		
HE 28 W/840 <sup>1)</sup>			LUMILUX Cool White		16 mm		
HE 28 W/865 <sup>1)</sup>			LUMILUX Cool Daylight		16 mm		
HE 35 W/830 <sup>1)</sup>			LUMILUX Warm White		16 mm		
HE 35 W/840 <sup>1)</sup>			LUMILUX Cool White		16 mm		

Product description	Product weight	Overall length	Outer bulb	Additional product data			
				Base (standard designation)	Product remark	Successor EAN	Predecessor EAN
HE 14 W/827 <sup>1)</sup>	44.26 g	563.20 mm	T16	G5	Suitable for ECG operation only   Lamp designed for internal luminaire temperatures of 30...40 °C; optimum luminous flux achieved at 35 °C	4050300645919	4050300645933
HE 14 W/830 <sup>1)</sup>	44.26 g	563.20 mm	T16	G5	Suitable for ECG operation only/Lamp designed for internal luminaire temperatures of 30...40 °C; optimum luminous flux achieved at 35 °C	4050300591520	4050300464824

## Product family datasheet

Product description	Product weight	Overall length	Outer bulb	Additional product data			
				Base (standard designation)	Product remark	Successor EAN	Predecessor EAN
HE 14 W/840 <sup>1)</sup>	44.26 g	563.20 mm			Suitable for ECG operation only   Lamp designed for internal luminaire temperatures of 30...40 °C; optimum luminous flux achieved at 35 °C	4050300591384	4050300464688
HE 21 W/830 <sup>1)</sup>	70.92 g	863.20 mm			Suitable for ECG operation only   Lamp designed for internal luminaire temperatures of 30...40 °C; optimum luminous flux achieved at 35 °C	4050300591506	4050300464800
HE 21 W/840 <sup>1)</sup>	70.92 g	863.20 mm			Suitable for ECG operation only   Lamp designed for internal luminaire temperatures of 30...40 °C; optimum luminous flux achieved at 35 °C	4050300591407	4050300464701
HE 21 W/865 <sup>1)</sup>	71.00 g	863.20 mm	T16	G5	Suitable for ECG operation only/Lamp designed for internal luminaire temperatures of 30...40 °C; optimum luminous flux achieved at 35 °C	4050300591322	4050300464626

## Product family datasheet

Product description	Product weight	Overall length	Outer bulb	Additional product data			
				Base (standard designation)	Product remark	Successor EAN	Predecessor EAN
HE 28 W/830 <sup>1)</sup>	88.02 g	1163.20 mm			Suitable for ECG operation only   Lamp designed for internal luminaire temperatures of 30...40 °C; optimum luminous flux achieved at 35 °C	4050300591483	4050300464787
HE 28 W/840 <sup>1)</sup>	88.02 g	1163.20 mm			Suitable for ECG operation only   Lamp designed for internal luminaire temperatures of 30...40 °C; optimum luminous flux achieved at 35 °C	4050300591421	4050300464725
HE 28 W/865 <sup>1)</sup>	88.02 g	1163.20 mm			Suitable for ECG operation only   Lamp designed for internal luminaire temperatures of 30...40 °C; optimum luminous flux achieved at 35 °C	4050300591346	4050300464640
HE 35 W/830 <sup>1)</sup>	116.45 g	1463.20 mm			Suitable for ECG operation only   Lamp designed for internal luminaire temperatures of 30...40 °C; optimum luminous flux achieved at 35 °C	4050300591469	4050300464763

## Product family datasheet

Product description	Product weight	Overall length	Outer bulb	Additional product data			
				Base (standard designation)	Product remark	Successor EAN	Predecessor EAN
HE 35 W/840 <sup>1)</sup>	116.45 g	1463.20 mm			Suitable for ECG operation only   Lamp designed for internal luminaire temperatures of 30...40 °C; optimum luminous flux achieved at 35 °C	4050300591445	4050300464749

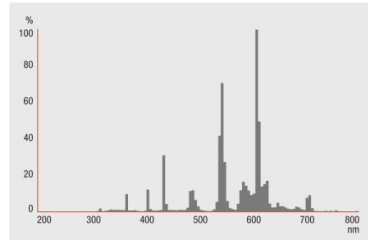
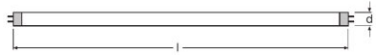
Product description	Capabilities	Certificates & standards		Country specific categorizations	Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)		
	Dimmable	Energy efficiency class	Energy consumption	Order reference	Date of Declaration	Primary Article Identifier	Declaration No. in SCIP database
HE 14 W/827 <sup>1)</sup>	Yes	F	14.00 kWh/1000h	HE 14W/827	18-04-2022	4050300645919   4050300645933	In work
HE 14 W/830 <sup>1)</sup>	Yes	F	14 kWh/1000h	HE 14W/830	18-04-2022	4050300591520   4050300464824	In work
HE 14 W/840 <sup>1)</sup>		F	14.00 kWh/1000h		18-04-2022	4050300464688   4050300591384	In work
HE 21 W/830 <sup>1)</sup>		F	21.00 kWh/1000h		18-04-2022	4050300591506   4050300464800	In work
HE 21 W/840 <sup>1)</sup>		F	21.00 kWh/1000h		18-04-2022	4050300591407   4050300464701	In work
HE 21 W/865 <sup>1)</sup>	Yes	F	23 kWh/1000h	HE 21W/865	18-04-2022	4050300464626   4050300591322	In work
HE 28 W/830 <sup>1)</sup>		F	29.00 kWh/1000h		18-04-2022	4050300591483   4050300464787	In work
HE 28 W/840 <sup>1)</sup>		F	29.00 kWh/1000h		18-04-2022	4050300591421   4050300464725	In work

## Product family datasheet

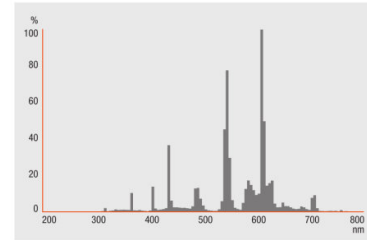
Product description	Capabilities	Certificates & standards		Country specific categorizations	Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)		
	Dimmable	Energy efficiency class	Energy consumption	Order reference	Date of Declaration	Primary Article Identifier	Declaration No. in SCIP database
HE 28 W/865 <sup>1)</sup>		F	29.00 kWh/1000h		18-04-2022	4050300591346	In work
HE 35 W/830 <sup>1)</sup>		F	35.00 kWh/1000h		18-04-2022	4050300591469   4050300464763	In work
HE 35 W/840 <sup>1)</sup>		F	35.00 kWh/1000h		18-04-2022	4050300591445   4050300464749	In work

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

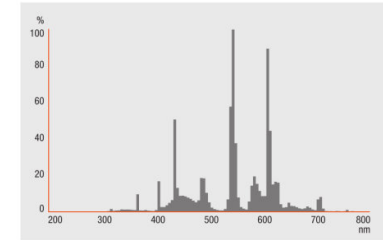
## Product family datasheet



HE 14 W/827



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

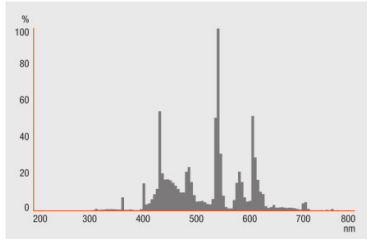


HE 14 W/840, HE 21 W/840, HE 28 W/840, HE 35 W/840

HE 14 W/827, HE 14 W/830, HE 14 W/840, HE 21 W/830, HE 21 W/840, HE 21 W/865, HE 28 W/830, HE 28 W/840, HE 28 W/865, HE 35 W/830, HE 35 W/840



## Product family datasheet



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HE 21 W/865, HE 28 W/865

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### System guarantee

OSRAM System+ Guarantee in combination with OSRAM ECGs

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### Application advice

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

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### Ecodesign regulation information:

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

### 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 <sup>3</sup>	1371.00 g
4050300591520	HE 14 W/830	Shipping carton box 20	587 mm x 90 mm x 110 mm	5.81 dm <sup>3</sup>	1503.00 g
4050300464688	HE 14 W/840	Shipping carton box 40	598 mm x 95 mm x 198 mm	11.25 dm <sup>3</sup>	2580.00 g
4050300591384	HE 14 W/840	Shipping carton box 20	587 mm x 90 mm x 129 mm	6.82 dm <sup>3</sup>	1503.00 g
4050300464800	HE 21 W/830	Shipping carton box 40	900 mm x 92 mm x 194 mm	16.06 dm <sup>3</sup>	3622.00 g
4050300591506	HE 21 W/830	Shipping carton box 20	887 mm x 90 mm x 110 mm	8.78 dm <sup>3</sup>	2134.00 g
4050300464701	HE 21 W/840	Shipping carton box 40	900 mm x 88 mm x 194 mm	15.36 dm <sup>3</sup>	3530.00 g
4050300591407	HE 21 W/840	Shipping carton box 20	887 mm x 90 mm x 110 mm	8.78 dm <sup>3</sup>	2134.00 g
4050300591322	HE 21 W/865	Shipping carton box 20	882 mm x 83 mm x 104 mm	7.61 dm <sup>3</sup>	2158.67 g

## Product family datasheet

### Logistical Data

4050300464787	HE 28 W/830	Shipping carton box 40	1200 mm x 94 mm x 194 mm	21.88 dm <sup>3</sup>	4813.00 g
4050300591483	HE 28 W/830	Shipping carton box 20	1182 mm x 83 mm x 104 mm	10.20 dm <sup>3</sup>	2712.50 g
4050300464725	HE 28 W/840	Shipping carton box 40	1200 mm x 83 mm x 194 mm	19.32 dm <sup>3</sup>	4813.00 g
4050300591421	HE 28 W/840	Shipping carton box 20	1182 mm x 83 mm x 104 mm	10.20 dm <sup>3</sup>	2712.50 g
4050300591346	HE 28 W/865	Shipping carton box 20	1182 mm x 83 mm x 104 mm	10.20 dm <sup>3</sup>	2712.50 g
4050300464763	HE 35 W/830	Shipping carton box 40	1500 mm x 93 mm x 194 mm	27.06 dm <sup>3</sup>	6258.00 g
4050300591469	HE 35 W/830	Shipping carton box 20	1482 mm x 83 mm x 104 mm	12.79 dm <sup>3</sup>	3450.00 g
4050300464749	HE 35 W/840	Shipping carton box 40	1500 mm x 94 mm x 194 mm	27.35 dm <sup>3</sup>	6258.00 g
4050300591445	HE 35 W/840	Shipping carton box 20	1482 mm x 83 mm x 104 mm	12.79 dm <sup>3</sup>	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 the system guarantee and the terms and conditions of the guarantee visit

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

### Disclaimer

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

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