

LUMILUX[®] T5 short

Versatile solutions for applications where space is restricted



LUMILUX[®] T5 short



QT-ECO

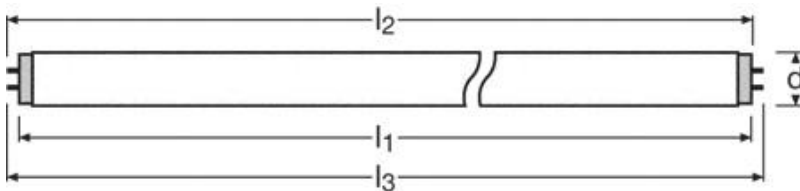
Benefits

- Ideal for cost-effective creative illumination and decoration
- Very good luminous flux maintenance throughout the life of the lamp

Product Features

- Compact and slim
- Good color Rendering Group 1B (R_a 80-89)
- Average life time: up to 10.000 h
- Available light colors: INTERNA (827), Warm White (830), Cool White (840)

Dimensions



Description	Base	Length (l1) [mm]	Length (l2) min [mm]	Length (l2) max [mm]	Length (l3) [mm]	Tube Diameter (d) max [mm]
LUMILUX® T5 short 6 W	G5	212.1	216.8	219.2	226.3	16
LUMILUX® T5 short 8 W	G5	288.3	293.0	295.4	302.4	16
LUMILUX® T5 short 13 W	G5	516.9	521.6	524.0	531.1	16

Electrical Data¹

LUMILUX® T5 short CCG	Lamp Voltage rated [V]	Lamp Current rated [mA]	Pre-heat current rated [mA]
6 W	42	160	205
8 W	56	145	205
13 W	95	165	225
LUMILUX® T5 short ECG	Lamp Voltage in HF ² mode rated [V]	Lamp Current in HF mode rated [mA]	Pre-heat current rated [mA]
6 W	36	150	150
8 W	50	150	150
13 W	85	150	150

¹ According to IEC 60081 (measurement with reference control gear)

² High Frequency

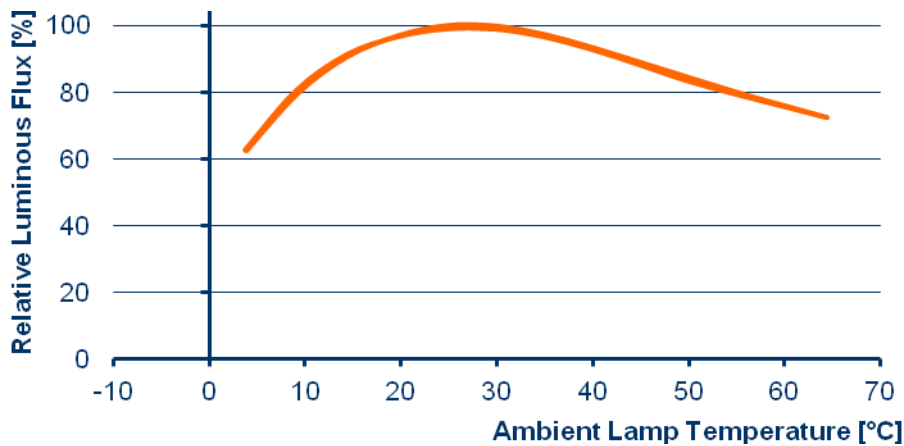
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Photometrical Data³

LUMILUX® T5 short	Light Color LUMILUX®	Color Rendering Index (CRI), Ra	Target Color Coordinate X	Target Color Coordinate Y	Color Temperature [K]	Nominal Luminous Flux [lm]	Max. Luminous Flux [lm]	Energy Efficiency Class
6 W	830 Warm White	80 ... 89	0.440	0.403	3000	300	-	B
8 W	827 INTERNA	80 ... 89	0.463	0.420	2700	430	-	B
8 W	830 Warm White	80 ... 89	0.440	0.403	3000	430	-	B
8 W	840 Cool White	80 ... 89	0.380	0.380	4000	430	-	B
13 W	827 INTERNA	80 ... 89	0.463	0.420	2700	950	-	A
13 W	830 Warm White	80 ... 89	0.440	0.403	3000	950	-	A
13 W	840 Cool White	80 ... 89	0.380	0.380	4000	950	-	A

Relative Luminous Flux / Ambient Temperature



For more detailed information please refer to our technical guide for Fluorescent Lamps. Free download at www.osram.com

³ Measurement in accordance with EN 60081, annex C and the relevant annex on rated colour characteristics in IEC 60081.

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Lifetime⁴

	ECG ⁵ (IEC 60081) preheat IEC 60901 switching cycle ⁶	CCG (IEC 60081) IEC 60901 switching cycle ⁶ (only for 18W – 36W)
B50⁷	10,000 h	8,000 h
Service life time⁸	7,000 h	5,600 h
LLMF⁹ 20.000 h	-	-
LLMF 16.000 h	-	-
LLMF 12.000 h	-	-
LLMF 8.000 h	-	-
LLMF 6.000 h	-	-
LLMF 4.000 h	-	-
LLMF 2.000 h	-	-
LSF¹⁰ 20.000 h	-	-
LSF 16.000 h	-	-
LSF 12.000 h	-	-
LSF 8.000 h	-	-
LSF 6.000 h	-	-
LSF 4.000 h	-	-
LSF 2.000 h	-	-

⁴ Measurement in accordance with EN 60081, annex C.

⁵ Electronic Control Gear

⁶ Switching cycle 165 min. on, 15 min. off (according to IEC 60901)

⁷ Average rated lamp life (B50) is the average value of the life time for an entity of lamps operated under standardized conditions until 50% failure. In other words, this is the operation time at which, for a standardized 3-hour switching cycle (165 minutes on / 15 minutes off (according to IEC)), 50% of a sample population of lamps have failed.

⁸ Service life time is the mathematical life time (maintenance multiplied with the % of failed lamps e.g. B10) for lamps in an installation after which the installation luminous flux (100 h value) decreased with 20 % (decrease in luminous flux and failed lamps) for indoor lighting.

⁹ Lamp Lumen Maintenance Factor (lamp luminous flux in %): Ratio of the luminous flux of a specific quantity of lamps at a defined number of hours of operation to their luminous flux at 100 h

¹⁰ Lamp Survival Factor (lamp survival in %): Ratio of the number of electrically intact lamps to the total number of lamps

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Energy labelling¹¹

Description	Energy efficiency class	Weighted energy consumption E _c [kWh/1000h]
LUMILUX® T5 short 6W/830	A	8
LUMILUX® T5 short 8W/827	A	8
LUMILUX® T5 short 8W/830	A	8
LUMILUX® T5 short 8W/840	A	8
LUMILUX® T5 short 13W/827	A	15
LUMILUX® T5 short 13W/830	A	15
LUMILUX® T5 short 13W/840	A	15

Logistic Data

Description	EAN 10	EAN 40	Packaging Unit
LUMILUX® T5 short 6W/830	4008321959874	4008321959973	25
LUMILUX® T5 short 8W/827	4050300008943	4050300608006	25
LUMILUX® T5 short 8W/830	4008321959881	4008321959980	25
LUMILUX® T5 short 8W/840	4050300241623	4050300241630	25
LUMILUX® T5 short 13W/827	4050300008967	4050300608013	25
LUMILUX® T5 short 13W/830	4008321959898	4008321959997	25
LUMILUX® T5 short 13W/840	4050300241647	4050300241654	25

¹¹ According to Regulation (EU) No 874/2012 of July 12, 2012
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Lamp/ECG System Combination

Lamp	ECG	EAN 10 ECG	Luminous Flux @25°C [lm]	System Power [W]	IN [A]	Power Factor ECG [λ]	System Luminous Efficacy [lm/W]	Length [mm]	Width [mm]	Height [mm]	Distance between holes [mm]	T _a [°C]
LUMILUX® T5 short 6 W	QT-ECO 1x4-16/220-240 L	4050300660370	270	8.5	0.06	0.60c	32	150	22	22	140	-15...+50
	QT-ECO 1x4-16/220-240 S	4050300638584	270	8.5	0.06	0.60c	32	80	40	22	72-75	-15...+50
	QT-ECO 2x5-11/220-240 S	4050300821504	560	14.5	0.11	0.60c	39	80	40	22	72-75	-15...+50
LUMILUX® T5 short 8 W	QT-ECO 1x4-16/220-240 L	4050300660370	450	10.5	0.07	0.60c	43	150	22	22	140	-15...+50
	QT-ECO 1x4-16/220-240 S	4050300638584	450	10.5	0.07	0.60c	43	80	40	22	72-75	-15...+50
	QT-ECO 2x5-11/220-240 S	4050300821504	900	17.5	0.13	0.60c	51	80	40	22	72-75	-15...+50
LUMILUX® T5 short 13	QT-ECO 1x4-16/220-240 L	4050300660370	950	15	0.08	0.60c	63	150	22	22	140	-15...+50
	QT-ECO 1x4-16/220-240 S	4050300638584	950	15	0.08	0.60c	63	80	40	22	72-75	-15...+50

For more information on ECG refer to <http://www.osram.com/ecg>

For more information on System Guarantee refer to <http://www.osram.com/guarantee>

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

For more information technical Information see Technical guide. Free download at www.osram.com