

LUMILUX[®] T5 HO

High Lumen Output



LUMILUX[®] T5 HO



QT i DALI/DIM / QT i GII / QTP5



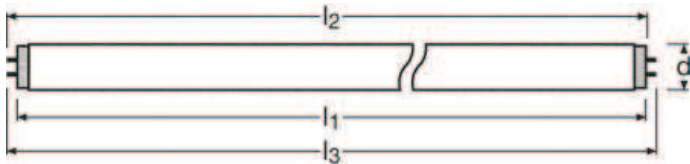
Benefits

- Impressive luminous flux
- High efficiency
- Very good luminous flux maintenance throughout the life of the lamp
- Natural color indication

Product Features

- High lumen package
- Long average life time: up to 24,000 h (with QUICKTRONIC®)
- Good color Rendering Group 1B (Ra 80-89)
- Dimmable with appropriate ECG
Light colors: SKYWHITE (880), Cool Daylight (865), Cool White (840), White (835), Warm White (830), INTERNA (827)

Dimensions



Description	Base	Length (l1) [mm]	Length (l2) min [mm]	Length (l2) max [mm]	Length (l3) [mm]	Tube Diameter (d) max [mm]
LUMILUX® T5 HO 24 W	G5	549	553.7	556.1	563.2	17
LUMILUX® T5 HO 39 W	G5	849	853.7	856.1	863.2	17
LUMILUX® T5 HO 49 W	G5	1449	1453.7	1456.1	1463.2	17
LUMILUX® T5 HO 54 W	G5	1149	1153.7	1156.1	1163.2	17
LUMILUX® T5 HO 80 W	G5	1449	1453.7	1456.1	1463.2	17

Electrical Data¹

LUMILUX® T5 HO	Lamp Voltage in HF ² mode rated [V]	Lamp Current in HF mode rated [mA]	Pre-heat current rated [mA]
24 W	77	295	440
39 W	118	325	440
49 W	195	255	330
54 W	120	455	720
80 W	152	530	765

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

² High Frequency

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Photometrical Data³

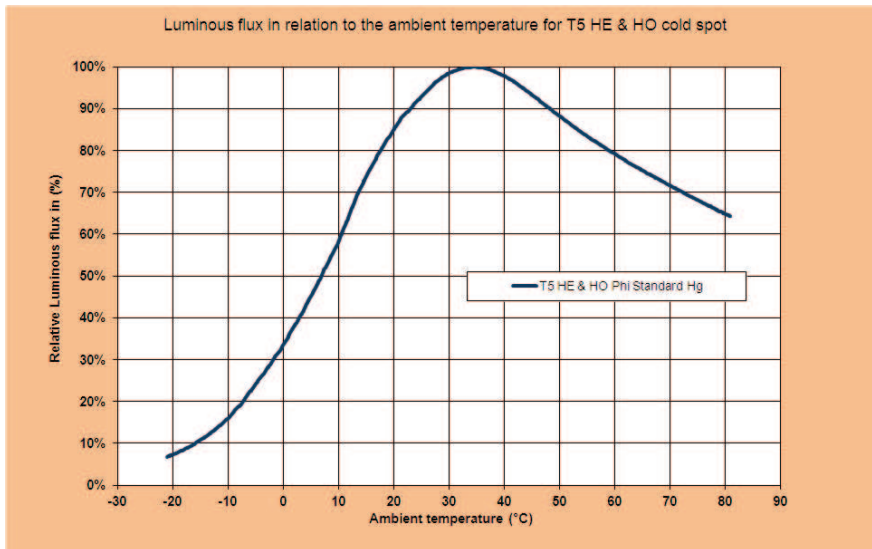
LUMILUX® T5 HO	Light Color LUMILUX®	Color Rend- ering Index (CRI), Ra	Target Color Coor- dinate X	Target Color Coor- dinate Y	Color Temp- erature [K]	Nominal Luminous Flux [lm]	Max. Luminous Flux [lm]
24 W	827 INTERNA	80 ... 89	0.463	0.420	2700	1750	2000
24 W	830 Warm White	80 ... 89	0.440	0.403	3000	1750	2000
24 W	835 White	80 ... 89	0.409	0.394	3500	1750	2000
24 W	840 Cool White	80 ... 89	0.380	0.380	4000	1750	2000
24 W	865 Cool Daylight	80 ... 89	0.313	0.337	6500	1600	1900
24 W	880 SKYWHITE	80 ... 89	0.463	0.420	8000	1550	1750
39 W	827 INTERNA	80 ... 89	0.463	0.420	2700	3100	3500
39 W	830 Warm White	80 ... 89	0.440	0.403	3000	3100	3500
39 W	840 Cool White	80 ... 89	0.380	0.380	4000	3100	3500
39 W	865 Cool Daylight	80 ... 89	0.313	0.337	6500	2850	3325
39 W	880 SKYWHITE	80 ... 89	0.294	0.309	8000	2750	3150
49 W	827 INTERNA	80 ... 89	0.463	0.420	2700	4310	4900
49 W	830 Warm White	80 ... 89	0.440	0.403	3000	4300	4900
49 W	840 Cool White	80 ... 89	0.380	0.380	4000	4300	4900
49 W	865 Cool Daylight	80 ... 89	0.313	0.337	6500	4100	4600
49 W	880 SKYWHITE	80 ... 89	0.294	0.309	8000	4050	4610
54 W	827 INTERNA	80 ... 89	0.463	0.420	2700	4450	5000
54 W	830 Warm White	80 ... 89	0.440	0.403	3000	4450	5000
54 W	835 White	80 ... 89	0.409	0.394	3500	4450	5000
54 W	840 Cool White	80 ... 89	0.380	0.380	4000	4450	5000
54 W	865 Cool Daylight	80 ... 89	0.313	0.337	6500	4100	4750
54 W	880 SKYWHITE	80 ... 89	0.294	0.309	8000	4000	4500
80 W	827 INTERNA	80 ... 89	0.463	0.420	2700	6150	7000
80 W	830 Warm White	80 ... 89	0.440	0.403	3000	6150	7000
80 W	835 White	80 ... 89	0.409	0.394	3500	6150	7000
80 W	840 Cool White	80 ... 89	0.380	0.380	4000	6150	7000
80 W	865 Cool Daylight	80 ... 89	0.313	0.337	6500	5700	6650
80 W	880 SKYWHITE	80 ... 89	0.294	0.309	8000	5550	6400

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

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Relative Luminous Flux / Ambient Temperature



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

Lifetime⁴

	ECG ⁵ (IEC 60929) preheat IEC 60081 switching cycle ⁶
B50⁷	24,000 h
Service life time⁸	19,000 h
LLMF⁹ 20.000 h	0.89
LLMF 16.000 h	0.90
LLMF 12.000 h	0.90
LLMF 8.000 h	0.90
LLMF 6.000 h	0.91
LLMF 4.000 h	0.92
LLMF 2.000 h	0.95
LSF¹⁰ 20.000 h	0.85
LSF 16.000 h	0.97
LSF 12.000 h	0.99
LSF 8.000 h	0.99
LSF 6.000 h	0.99
LSF 4.000 h	0.99
LSF 2.000 h	0.99

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 60081)

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 HO 24W/827	A+	25
LUMILUX® T5 HO 24W/830	A+	25
LUMILUX® T5 HO 24W/835	A+	25
LUMILUX® T5 HO 24W/840	A+	25
LUMILUX® T5 HO 24W/865	A	25
LUMILUX® T5 HO 24W/880	A	25
LUMILUX® T5 HO 39W/827	A+	42
LUMILUX® T5 HO 39W/830	A+	42
LUMILUX® T5 HO 39W/840	A+	42
LUMILUX® T5 HO 39W/865	A	42
LUMILUX® T5 HO 49W/830	A+	55
LUMILUX® T5 HO 49W/840	A+	55
LUMILUX® T5 HO 49W/865	A+	55
LUMILUX® T5 HO 49W/880	A+	55
LUMILUX® T5 HO 54W/827	A+	60
LUMILUX® T5 HO 54W/830	A+	60
LUMILUX® T5 HO 54W/835	A+	60
LUMILUX® T5 HO 54W/840	A+	60
LUMILUX® T5 HO 54W/865	A	60
LUMILUX® T5 HO 54W/880	A	60
LUMILUX® T5 HO 80W/827	A	88
LUMILUX® T5 HO 80W/830	A	88
LUMILUX® T5 HO 80W/840	A	88
LUMILUX® T5 HO 80W/865	A	88
LUMILUX® T5 HO 80W/880	A	88

¹¹ According to Regulation (EU) No 874/2012 of July 12, 2012
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Logistic Data

Description	EAN 10	EAN 40	Packaging Unit
LUMILUX® T5 HO 24W/827	4050300646077	4050300646084	20
LUMILUX® T5 HO 24W/830	4050300453491	4050300453507	40
LUMILUX® T5 HO 24W/835	4050300776439	4050300776446	20
LUMILUX® T5 HO 24W/840	4050300453477	4050300453484	40
LUMILUX® T5 HO 24W/865	4050300453453	4050300453460	40
LUMILUX® T5 HO 24W/880	4008321081469	4008321081476	20
LUMILUX® T5 HO 39W/827	4050300646138	4050300646145	40
LUMILUX® T5 HO 39W/830	4050300453552	4050300453569	40
LUMILUX® T5 HO 39W/840	4050300453538	4050300453545	20
LUMILUX® T5 HO 39W/865	4050300453514	4050300453521	40
LUMILUX® T5 HO 49W/830	4050300657158	4050300657165	40
LUMILUX® T5 HO 49W/840	4050300657134	4050300657141	40
LUMILUX® T5 HO 49W/865	4008321110732	4008321110749	40
LUMILUX® T5 HO 49W/880	4008321907486	4008321110725	40
LUMILUX® T5 HO 54W/827	4050300646176	4050300646183	40
LUMILUX® T5 HO 54W/830	4050300453415	4050300453422	40
LUMILUX® T5 HO 54W/835	4050300776477	4050300776484	20
LUMILUX® T5 HO 54W/840	4050300453392	4050300453408	40
LUMILUX® T5 HO 54W/865	4050300453378	4050300453385	40
LUMILUX® T5 HO 54W/880	4008321070425	4008321070432	20
LUMILUX® T5 HO 80W/827	4050300646213	4050300646220	40
LUMILUX® T5 HO 80W/830	4050300515137	4050300515144	40
LUMILUX® T5 HO 80W/840	4050300515151	4050300515168	40
LUMILUX® T5 HO 80W/865	4050300515113	4050300515120	40
LUMILUX® T5 HO 80W/880	4008321070449	4008321070456	20

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