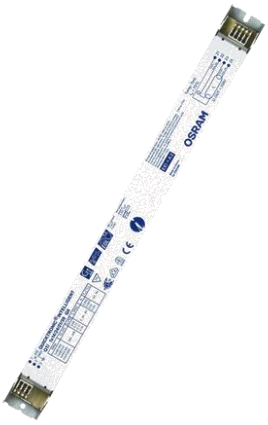
LUMILUX® T5 HO

High Lumen Output

LUMILUX® T5 HO



QTi DALI/DIM / QTi GII / QTP5

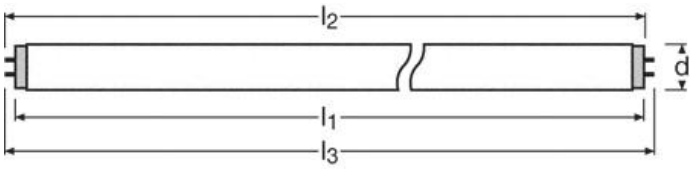
Benefits

- 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 Data[1]

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 Data[3]

LUMILUX® T5 HO	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]
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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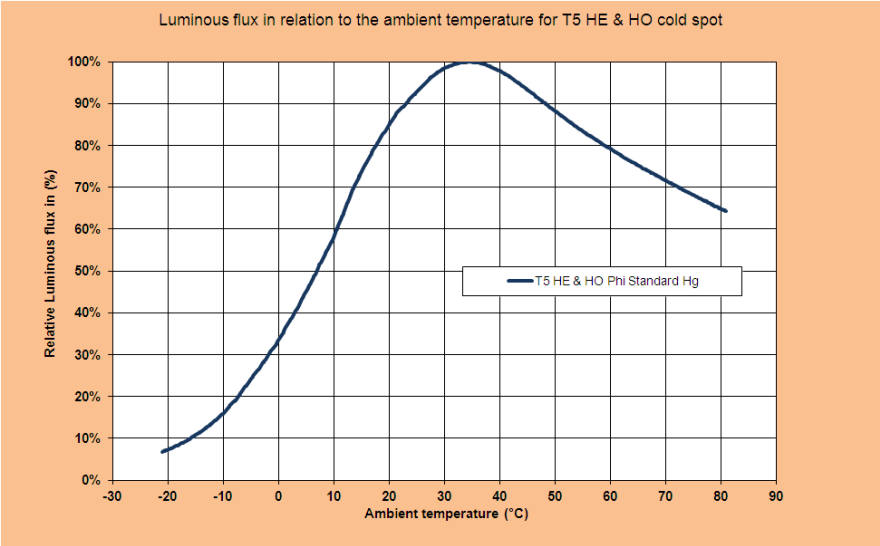
Relative Luminous Flux / Ambient Temperature



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Lifetime[4]

	ECG[5] (IEC 60929) preheat IEC 60081 switching cycle[6]
B50[7]	24,000 h
Service life time[8]	19,000 h
LLMF[9] 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
LSF[10] 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 labelling[11]

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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Lamp/ECG System Combination

Lamp	ECG	EAN 10 ECG	Luminous Flux @25°C [lm]	System Power [W]	IN [A]	Power Factor ECG	System Luminous Efficacy [lm/W]	Length [mm]	Width [mm]	Height [mm]	Distance between holes [mm]	T_a [°C]
LUMILUX® T5 HO 24 W	QTi DALI 1x14/24/220-240 DIM	4050300870380	1750	25.3	0.11	0.98	69	360	30	21	350	+10…+50
	QTi DALI 2x14/24/220-240 DIM	4050300870861	3500	49.3	0.22	0.98	71	423	30	21	415	+10…+50
	QTi DALI 3x14/24/220-240 DIM	4008321069955	5250	73.4	0.32	0.99	72	360	40	21	350	+10…+50
	QTi DALI 4x14/24/220-240 DIM	4008321070036	7000	97.6	0.43	0.99	72	360	40	21	350	+10…+50
	QTi 1x14/24/220-240 DIM	4050300870922	1750	26	0.11	0.98	67	360	30	21	350	+10…+50
	QTi 2x14/24/220-240 DIM	4050300870946	3500	50	0.22	0.96	70	423	30	21	415	+10…+50
	QTi 3x14/24/220-240 DIM	4008321069719	5250	74	0.32	0.99	73	360	40	21	350	+10…+50
	QTi 4x14/24/220-240 DIM	4008321069993	7000	98	0.43	0.99	71	360	40	21	350	+10…+50
	QTi 1x14/24/21/39 GII	4008321383334	1750	26	0.12	0.96	67	360	30	21	350	-20…+50
	QTi 2x14/24/21/39 GII	4008321383396	3500	50	0.23	0.96	70	360	30	21	350	-20…+50
	QTP5 1x24-39	4008321329110	1750	26	0.12	0.95	67	280	30	21	270	-20…+50
	QTP5 2x24-39	4008321329417	3500	49	0.23	0.95	71	360	30	21	350	-20…+50
	QTP-M 1x26-42	4008321329134	1750	25	0.12	0.95	70	103	67	31	110	-20…+50
	QTP-M 2x26-32	4008321329158	3500	49	0.23	0.97	71	123	79	33	129.5	-20…+50
	QT-M 2x26-42/220-240 S	4008321110022	3500	54	0.23	0.97	65	123	79	33	129.5	-20…+50
	QT-ECO 1x18-24/220-240 L	4050300660417	1600	20	0.15	0.60c	80	150	22	22	140	-15…+50
	QT-ECO 1x18-24/220-240 S	4050300638560	1600	20	0.15	0.60c	80	80	40	22	72-75	-15…+50
LUMILUX® T5 HO 39 W	QTi DALI 1x21/39/220-240 DIM	4050300870366	3100	41.8	0.18	0.98	74	360	30	21	350	+10…+50
	QTi DALI 2x21/39/220-240 DIM	4050300870489	6200	82	0.36	0.98	76	423	30	21	415	+10…+50
	QTi 1x21/39/220-240 DIM	4050300870564	3100	41.8	0.18	0.98	74	360	30	21	350	+10…+50
	QTi 2x21/39/220-240 DIM	4050300870694	6200	82	0.36	0.96	76	423	30	21	415	+10…+50
	QTi 1x14/24/21/39 GII	4008321383334	3100	41	0.18	0.98	76	360	30	21	350	-20…+50
	QTi 2x14/24/21/39 GII	4008321383396	6200	81	0.36	0.98	77	360	30	21	350	-20…+50
	QTP5 1x24-39	4008321329110	3100	41	0.18	0.98	76	280	30	21	270	-20…+50
	QTP5 2x24-39	4008321329417	6200	82	0.36	0.98	77	360	30	21	350	-20…+50

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	QTP-M 1x26-42	4008321329134	3100	41	0.18	0.97	76	103	67	31	110	-20…+50
Lamp	**ECG**	**EAN 10 ECG**	**Luminous Flux @25°C [lm]**	**System Power [W]**	**IN [A]**	**Power Factor ECG**	**System Luminous Efficacy [lm/W]**	**Length [mm]**	**Width [mm]**	**Height [mm]**	**Distance between holes [mm]**	**T_a [°C]**
LUMILUX® T5 HO 49 W	QTi DALI 1x35/49/80/220-240 DIM	4050300870342	4300	53.4	0.24	0.98	81	360	30	21	350	+10…+50
	QTi DALI 2x35/49/80/220-240 DIM	4050300870441	8600	101	0.46	0.99	85	423	30	21	415	+10…+50
	QTi DALI 2x35/49/220-240 DIM	4050300870465	8600	103.6	0.45	0.99	83	423	30	21	415	+10…+50
	QTi 1x35/49/80/220-240 DIM	4050300870540	4300	53.4	0.24	0.98	81	360	30	21	350	+10…+50
	QTi 2x35/49/80/220-240 DIM	4050300870984	8600	103	0.46	0.97	81	423	30	21	415	+10…+50
	QTi 2x35/49/220-240 DIM	4050300870670	8600	103.6	0.45	0.97	83	423	30	21	415	+10…+50
	QTi 1x28/54/35/49 GII	4008321383358	4300	53	0.24	0.97	81	360	30	21	350	-20…+50
	QTi 2x28/54/35/49 GII	4008321383419	8600	105	0.46	0.98	82	360	30	21	350	-20…+50
	QTi 1x35/49/80 GII	4008321383372	4300	53	0.24	0.97	81	360	30	21	350	-20…+50
	QTi 2x35/49/80/220-240	4008321174291	8600	104	0.46	0.97	83	425	30	21	415	-20…+50
	QTP5 1x49	4008321329370	4300	53	0.24	0.95	81	280	30	21	270	-20…+50
	QTP5 2x49	4008321329431	8600	106	0.49	0.99	81	360	30	21	350	-20…+50
LUMILUX® T5 HO 54 W	QTi DALI 1x28/54/220-240 DIM	4050300870809	4450	58.8	0.26	0.99	76	360	30	21	350	+10…+50
	QTi DALI 2x28/54/220-240 DIM	4050300870502	8900	115	0.51	0.99	77	423	30	21	415	+10…+50
	QTi 1x28/54/220-240 DIM	4050300870588	4450	58.8	0.26	0.99	76	360	30	21	350	+10…+50
	QTi 2x28/54/220-240 DIM	4050300870717	8900	115	0.51	0.98	77	423	30	21	415	+10…+50
	QTi 1x28/54/35/49 GII	4008321383358	4450	58	0.26	0.97	77	360	30	21	350	-20…+50
	QTi 2x28/54/35/49 GII	4008321383419	8900	115	0.51	0.98	77	360	30	21	350	-20…+50
	QTP5 1x54	4008321329394	4450	59	0.26	0.98	75	280	30	21	270	-20…+50
	QTP5 2x54	4008321329097	8900	115	0.50	0.99	77	360	30	21	350	-20…+50

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Lamp	ECG	EAN 10 ECG	Luminous Flux @25°C [lm]	System Power [W]	IN [A]	Power Factor ECG	System Luminous Efficacy [lm/W]	Length [mm]	Width [mm]	Height [mm]	Distance between holes [mm]	T_a [°C]
LUMILUX® T5 HO 80 W	QTi DALI 1x35/49/80/220-240 DIM	4050300870342	6150	88.1	0.39	0.99	70	360	30	21	350	+10…+50
	QTi DALI 2x35/49/80/220-240 DIM	4050300870441	12300	165	0.74	0.99	75	423	30	21	415	+10…+50
	QTi 1x35/49/80/220-240 DIM	4050300870540	6150	88.1	0.39	0.99	70	360	30	21	350	+10…+50
	QTi 2x35/49/80/220-240 DIM	4050300870984	12300	165	0.74	0.99	75	423	30	21	415	+10…+50
	QTi 1x35/49/80 GII	4008321383372	6150	85	0.38	0.98	72	360	30	21	350	-20…+50
	QTi 2x35/49/80/220-240	4008321174291	12300	165	0.74	0.99	75	423	30	21	415	-20…+50
	QTP5 1x80	4008321329059	6150	86	0.38	0.98	72	360	30	21	350	-20…+50
	QT-FQ 2x80	4050300825564	12600	175	0.76	0.98	72	423	30	21	415	-20…+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

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