

LUMILUX[®] CHIP control T8

The LUMILUX[®] CHIP control T8 lamp is the ideal solution for microchip fabrication plants



LUMILUX[®] CHIP control T8

QT-FIT8 2X58-70/220-240 VS20



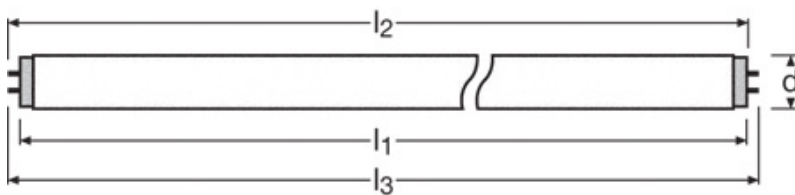
Benefits

- Excellent UV filter
- Suitable for use in open and enclosed fixtures
- OSRAM System. Guarantee in combination with OSRAM QUICKTRONIC®.

Product Features

- Fluorescent Lamp with 26 mm diameter
- Excellent filter at 500 nm
- Long sleeve life (corresponds to the average life of the lamp: B50 = 20,000 h with pre-heat ECG)
- An increase of the emitted radiation power < 500 nm has to be considered depending on the operation conditions. For detailed information please refer to the technical data sheets.

Dimensions



Description	Base	Length (l1) [mm]	Length (l2) min [mm]	Length (l2) max [mm]	Length (l3) [mm]	Tube Diameter (d) max [mm]
LUMILUX CHIP control T8 18 W	G13	589.8	594.5	596.9	604	26
LUMILUX CHIP control T8 36 W	G13	1199.4	1204.1	1206.5	1213.6	26
LUMILUX CHIP control T8 58 W	G13	1500	1504.7	1507.1	1514.2	26

Electrical Data¹

Lamps operated with **50Hz** reference ballast at 25 °C (100h aged) ambient temperature

LUMILUX SPLIT control T8	Lamp Voltage [V]	Lamp Current rated [mA]	Pre-heat current [mA]
18 W	57	370	550
36 W	103	430	650
58 W	110	670	1000

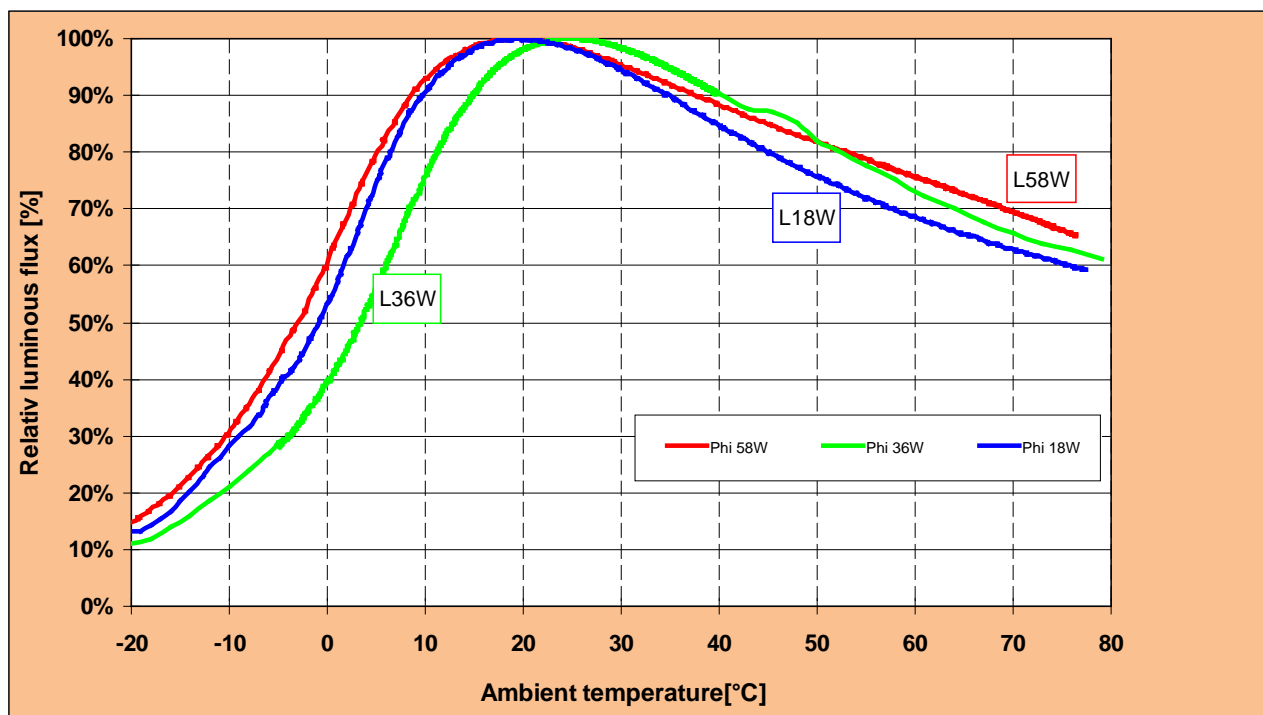
¹ According to IEC/EN 60081

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Photometrical Data at 25 °C (100 h aged) ambient temperature²

LUMILUX T8	Light Color	Color Rendering Index (CRI), Ra	Target Color Coordinate ¹ x	Target Color Coordinate ¹ y	Nominal Luminous Flux 25°C [lm] ¹	Max. Luminous Flux 25°C [lm] ¹	Efficacy [lm/W] ¹
18 W	Yellow	80 ... 89	0.380	0.380	970	970	54
36 W	Yellow	80 ... 89	0.380	0.380	2300	2300	64
58 W	Yellow	80 ... 89	0.380	0.380	3830	3830	66

Relative Luminous Flux / Ambient Temperature



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

² Measurement in accordance with IEC/EN 60081 annex C

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Lifetime³

	ECG ⁴ preheated IEC switching cycle ⁵	CCG IEC switching cycle
B50⁶	20,000 h	15,000 h
Service Lifetime⁷	18,000 h	12,000 h

Logistic Data

Description	EAN 10	EAN 40	Packaging Unit
LUMILUX CHIP control T8 18W/62	4008321232700	4008321232717	25
LUMILUX CHIP control T8 36W/62	4008321232724	4008321232731	25
LUMILUX CHIP control T8 58W/62	4008321232748	4008321232755	25

³ Measurement in accordance with IEC/EN 60081

⁴ Electronic Control Gear

⁵ Switching cycle 165 min. on, 15 min. off (according to IEC)

⁶ 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.

⁷ 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

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Lamp/ECG System Combination

Lamp	ECG	EAN 10 ECG	Luminous Flux @25°C [lm]	System Power [W]	I _N [A]	Power Factor ECG	Length [mm]	Width [mm]	Height [mm]	Distance between holes [mm]	T _a [°C]
LUMILUX T8 CHIP control 18 W	QTi DALI 1x18/220-240 DIM	4050300870403	970	18.3	0.08	0.97	360.00	30.00	21.00	350	-20...+50 °C
	QTi DALI 2x18/220-240 DIM	4050300870526	1940	36.5	0.16	0.97	425.00	30.00	21.00	415	-20...+50 °C
	QTi DALI 3x18/220-240 DIM	4008321069979	2910	53.6	0.24	0.98	360.00	40.00	21.00	350	-20...+50 °C
	QTi DALI 4x18/220-240 DIM	4008321070050	3880	69.3	0.31	0.98	360.00	40.00	21.00	350	-20...+50 °C
	QTi 1x14/24/21/39 GII	4008321383334	970	19	0.09	0.93	360.00	30.00	28.00	350	-20...+50 °C
	QTi 1x18/220-240 DIM	4050300870601	970	19	0.08	0.97	360.00	30.00	21.00	350	-20...+50 °C
	QTi 2x14/24/21/39 GII	008321383396	1940	37	0.17	0.96	360.00	30.00	21.00	350	-20...+50 °C
	QTi 2x18/220-240 DIM	4050300870960	1940	37	0.16	0.97	425.00	30.00	21.00	415	-20...+50 °C
	QTi 3x18/220-240 DIM	4008321069931	2910	53.6	0.24	0.98	360.00	40.00	21.00	350	-20...+50 °C
	QTi 4x18/220-240 DIM	4008321070012	3880	69.3	0.31	0.98	360.00	40.00	21.00	350	-20...+50 °C
	QTP8 1x18/230-240	4008321131584	970	18	0.09	0.96	360.00	30.00	30.00	350	-25...+55 °C
	QTP8 2x18/230-240	4008321131607	1940	35	0.17	0.97	423.00	30.00	30.00	415	-25...+55 °C
	QTP8 3x/4x18/230-240	4008321131706	2802	73	0.32	0.99	423.00	40.00	30.00	415	-25...+55 °C
	QTP-DL 1x18-24	4008321117861	934	56	0.26	0.99	239.00	30.00	28.00	229	-25...+50 °C
	QTP-DL 2x18-24	4008321117885	1868	18	0.09	0.95	239.00	40.00	28.00	229	-20...+50 °C
	QTP-M 1x26-42	4008321329134	934	37	0.17	0.98	103.00	67.00	31.00	110	-20...+50 °C
	QTP-M 2x26-32	4008321329158	1940	19	0.10	0.88 c	123.00	79.00	33.00	129.5	-20...+50 °C
	QT-FIT8 1x18	4008321294180	970	19	0.09	0.95	280.00	30.00	28.00	270	-15...+50 °C
	QT-FIT8 2x18	4008321294241	1940	36	0.16	0.98	360.00	30.00	28.00	350	-15...+50 °C
	QT-FIT8 3x/4x18	4008321294302	2910	54	0.25	0.97	280.00	40.00	28.00	270	-15...+50 °C
QT-FIT8 3x/4x18	4008321294302	3880	74	0.33	0.99	280.00	40.00	28.00	270	-15...+50 °C	
QT-ECO 1x18-24/220-240 L	4050300660417	898	19	0.14	0.60 c	150.00	22.00	22.00	140	-15...+50 °C	
QT-ECO 1x18-24/220-240 S	4050300638560	898	19	0.14	0.60 c	80.00	40.00	22.00	72...75	-15...+50 °C	
HF 1x18/230-240 DIM	4050300319254	934	19	0.09	0.95	360.00	30.00	30.00	350	0...+50 °C	
HF 2x18/230-240 DIM	4050300350950	1910	36	0.17	0.97	423.00	30.00	30.00	415	0...+50 °C	

Lamp	ECG	EAN 10 ECG	Luminous Flux @25°C [lm]	System Power [W]	I _N [A]	Power Factor ECG	Length [mm]	Width [mm]	Height [mm]	Distance between holes [mm]	T _a [°C]
LUMILUX T8 CHIP control 36 W	QTi DALI 1x36/220-240 DIM	4050300870427	1854	36	0.16	0.98	360.00	30.00	21.00	350	-20...+50 °C
	QTi DALI 2x36/220-240 DIM	4050300870885	3707	69	0.30	0.98	423.00	30.00	21.00	415	-20...+50 °C
	QTi 1x14/24/21/39 GII	4008321383334	2300	35	0.09	0.96	360.00	30.00	21.00	350	-20...+50 °C
	QTi 1x36/220-240 DIM	4050300870625	2300	36	0.16	0.97	360.00	30.00	21.00	350	-20...+50 °C
	QTi 2x14/24/21/39 GII	4008321383396	4394	70	0.31	0.98	360.00	30.00	21.00	350	-20...+50 °C
	QTi 2x36/220-240 DIM	4050300870755	4600	69	0.31	0.98	425.00	30.00	21.00	415	-20...+50 °C
	QTP5 1x24-39	4008321329110	2197	36	0.16	0.97	280.00	30.00	21.00	270	-20...+50 °C
	QTP5 2x24-39	4008321329417	4394	70	0.31	0.98	360.00	30.00	21.00	350	-20...+50 °C
	QTP8 1x36/230-240	4008321131621	2197	35	0.16	0.96	360.00	30.00	30.00	350	-25...+55 °C
	QTP8 2x36/230-240	4008321131645	4394	72	0.31	0.98	423.00	30.00	30.00	415	-25...+55 °C
	QTP-DL 1x36-40	4008321117908	2334	38	0.17	0.99	239.00	30.00	28.00	229	-20...+50 °C
	QTP-DL 2x36-40	4008321117922	4669	80.5	0.35	0.99	280.00	40.00	28.00	270	-20...+50 °C
	QTP-M 1x26-42	4008321329134	2300	35	0.16	0.97	103.00	67.00	31.00	110	-20...+50 °C
	QT-FIT8 1x36	4008321294203	2300	36	0.16	0.96	280.00	30.00	28.00	270	-15...+50 °C
	QT-FIT8 2x36	4008321294265	4394	71	0.32	0.98	360.00	30.00	28.00	350	-15...+50 °C
	QT-FIT8 3x36	???	7209	105	0.48	0.99	???	???	???	???	-15...+50 °C
	QT-M 2x26-42/220-240 S	4008321110022	4394	70	0.30	0.97	123.00	79.00	33.00	129.5	-20...+50 °C
	HF 1x36/230-240 DIM	4050300297705	2300	36	0.17	0.97	360.00	30.00	30.00	350	0...+50 °C
HF 2x36/230-240 DIM	4050300350974	4394	71	0.31	0.99	423.00	30.00	30.00	415	0...+50 °C	

Lamp	ECG	EAN 10 ECG	Luminous Flux @25°C [lm]	System Power [W]	I _N [A]	Power Factor ECG	Length [mm]	Width [mm]	Height [mm]	Distance between holes [mm]	T _a [°C]
LUMILUX T8 Chip control 58 W	QTi DALI 1x58/220-240 DIM	4050300870823	3923	56	0.25	0.99	360.00	30.00	21.00	350	-20...+50 °C
	QTi DALI 2x58/220-240 DIM	4050300870847	7846	108	0.47	0.99	423.00	30.00	21.00	415	-20...+50 °C
	QTi 1x28/54/35/49 GII	4008321383358	3923	55	0.24	0.99	360.00	30.00	21.00	350	-20...+50 °C
	QTi 1x58/220-240 DIM	4050300870908	3923	56	0.25	0.99	360.00	30.00	21.00	350	-20...+50 °C
	QTi 2x28/54/35/49 GII	4008321383419	7846	109	0.47	0.99	360.00	30.00	21.00	350	-20...+50 °C
	QTi 2x58/220-240 DIM	4050300870731	7846	108	0.47	0.99	425.00	30.00	21.00	415	-20...+50 °C
	QTP5 1x54	4008321329394	3923	55	0.25	0.97	280.00	30.00	21.00	270	-20...+50 °C
	QTP5 2x54	4008321329097	7846	109	0.48	0.97	360.00	30.00	21.00	350	-20...+50 °C
	QTP8 1x58/230-240	4008321131669	3923	55	0.24	0.98	360.00	30.00	30.00	350	-25...+55 °C
	QTP8 2x58/230-240	4008321131683	7846	110	0.45	0.98	423.00	30.00	30.00	415	-25...+55 °C
	QT-FIT8 1x58-70	4008321294227	3923	54	0.24	0.96	280.00	30.00	28.00	270	-15...+50 °C
	QT-FIT8 2x58-70	4008321294289	7846	109	0.48	0.98	360.00	30.00	28.00	350	-15...+50 °C
	HF 1x58/230-240 DIM	4050300297729	3923	58	0.25	0.98	360.00	30.00	30.00	350	0...+50 °C
	HF 2x58/230-240 DIM	4050300350998	8279	116	0.48	0.99	423.00	30.00	30.00	415	0...+50 °C

Safety information:

- Lamps with plastic sleeves: maximum ambient temperature: 80°C
- Lamps with plastic sleeves: minimum ambient temperature: -10°C
- Lamps with plastic sleeves: maximum storage time 5 years at 0 to 30°C
- Lamps with plastic sleeves: lamps must be replaced after average life has been reached (B50)

Important information:

- Under standard conditions acc. IEC (free burning, 25 - 40°C ambient temperature) a typical increase of the emitted radiation power in the wavelength range < 500 nm up to 3 mW/klm per 10,000 hours of operation was determined. This corresponds to approx. 0.1% of the total emitted radiation power. This increase depends on the operation conditions.
- For example for a T5 HO lamp at 80°C ambient temperature an increase of the emitted radiation power in the wavelength range < 500 nm of up to 20.0 mW/klm per 10,000 hours of operation was observed. This corresponds to approx. 0.7% of the total emitted radiation power. This increase depends on the operation conditions.
- For applications in photo sensitive areas, routine maintenance is necessary. This must include verification of the amount of short wavelength light emitted, and, if required, lamp replacement.

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