

LUMILUX T9 C

CIRCULAR LAMPS FOR A BETTER UNIFORM & AREA
LIGHTING AND GOOD COLOR RENDERING



LUMILUX T9 C



QTP-M 1x26-42®

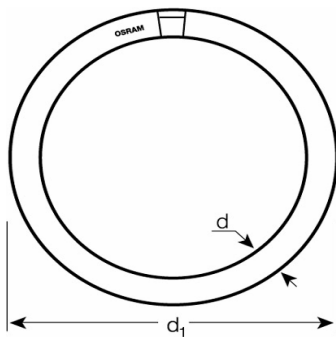
Benefits

- Extremely economical
- Very good uniform/area lighting without shadow
- Good average life time (with OSRAM QUICKTRONIC®)
- Good lumen maintenance

Product Features

- Circular and single-capped fluorescent lamp with 29 mm diameter
- Ideal for flat, round or square luminaires
- Available light colors: INTERNA (827), Cool White (840), Cool Daylight (865),
- Appropriate for compact and space saving lighting systems
- Very good color rendering R_a : 80...89
- ECG and CCG + Starter operation
- Dimmable (from 100...1% with QTI DALI/DIM)

Dimensions



Description	Base	Tube Diameter d [mm]	d1 [mm]
LUMILUX T9 22 W C	G10q	29	216
LUMILUX T9 32 W C	G10q	29	305
LUMILUX T9 40 W C	G10q	29	406

Electrical Data¹

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

LUMILUX T9 C	Lamp Voltage rated [V]	Lamp Current rated [mA]	Pre-heat current IEC 81 [mA]	Lamp Power rated [W]	Compensation parallel Capacitor CCG ² mode ³ [μF]	Compensation series Capacitor CCG mode ⁴ [μF]
22 W	62	400	600	22	5.0	3.0
32 W	81	450	675	32	5.0	3.4
40 W	115	415	630	40	-	-

¹ According to IEC 60901

² Conventional Control Gear

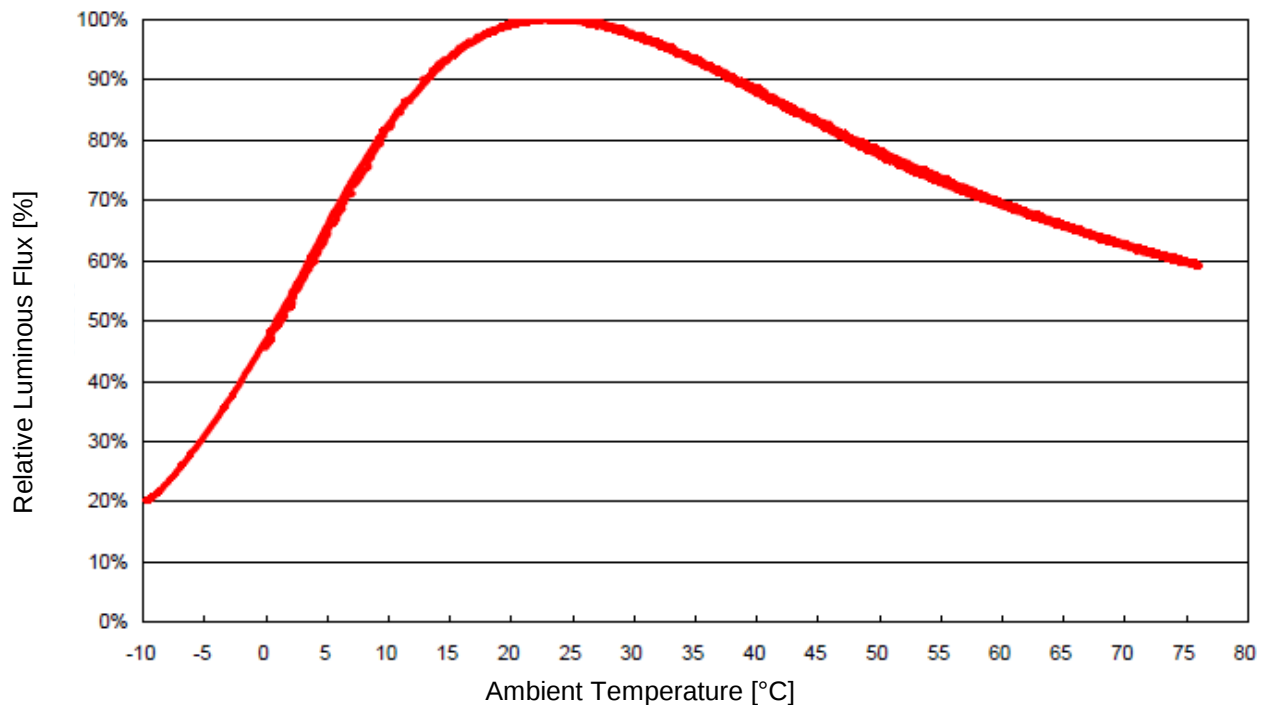
³ For cos phi = 0.95; Dielectric strength of the capacitor 250V AC; capacitive tolerance +/- 10%

⁴ Dielectric strength of the capacitor 450V AC

Photometrical Data at 25 °C (100 h aged) ambient temperature⁵

T9 C LUMILUX	Light Color LUMILUX®	Color Rendering Index (CRI), Ra	Target Color Coordinate [X]	Target Color Coordinate [Y]	Nominal Luminous Flux [lm]	Efficacy 25 °C [lm/W]	Energy Efficiency Class	Energy Efficiency Class [kWh/1000]
22 W	827 INTERNA	80 ... 89	0.463	0.420	1350	60	A	25
	840 Cool White	80 ... 89	0.380	0.380	1350	60	A	25
	865 Cool Daylight	80 ... 89	0.313	0.337	1300	58	A	25
32 W	827 INTERNA	80 ... 89	0.463	0.420	2250	70	A	36
	840 Cool White	80 ... 89	0.380	0.380	2250	70	A	36
	865 Cool Daylight	80 ... 89	0.313	0.337	2150	67	A	36
40 W	840 Cool White	80 ... 89	0.380	0.380	3200	80	A	44
	865 Cool Daylight	80 ... 89	0.313	0.337	3070	77	A	44

Relative Luminous Flux / Ambient Temperature



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

⁵ Measurement in accordance with IEC 60901, annex C and the relevant annex on rated colour characteristics in IEC 60081.

Lifetime⁶

	CCG IEC switching cycle ⁷
B50⁸	9,000 h
Service life time⁹	5,000
LLMF¹⁰ 2.000 h	0.80
LLMF 4.000 h	0.74
LLMF 6.000 h	0.72
LLMF 8.000 h	0.70
LSF 2.000 h	0.98
LSF 4.000 h	0.95
LSF 6.000 h	0.83
LSF¹¹ 8.000 h	0.62

Logistic Data

Description	EAN 10	EAN 40	Packaging Unit
LUMILUX® T9 22W/827 C	4008321581068	4008321581075	12
LUMILUX® T9 22W/840 C	4008321581082	4008321581099	12
LUMILUX® T9 22W/865 C	4008321581105	4008321581112	12
LUMILUX® T9 32W/827 C	4008321581129	4008321581136	12
LUMILUX® T9 32W/840 C	4008321581143	4008321581150	12
LUMILUX® T9 32W/865 C	4008321581167	4008321581174	12
LUMILUX® T9 40W/840 C	4050300014845	4050300222301	12
LUMILUX® T9 40W/865 C	4008321960139	4008321960160	12

⁶ Measurement in accordance with IEC 60901, annex C.

⁷ Switching cycle 165 min. on, 15 min. off (according to IEC)

⁸ 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.

⁹ 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

¹⁰ 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

¹¹ Lamp Survival Factor (lamp survival in %): Ratio of the number of electrically intact lamps to the total number of lamps

Lamp/ECG System Combination

Lamp	ECG	EAN 10 ECG	Luminous flux @25°C [lm]	System power [W]	I _N [A]	Power Factor ECG	System luminous efficacy [lm/W]	Length [mm]	Width [mm]	Height [mm]	Distance between holes [mm]	T _a [°C]
T9 C 22W	QT-ECO 1x18-24/220-240 L	4050300660417	1350	20	0,14	0,60	67	150.00	22.00	22.00	140	-15...+50°C
	QT-ECO 1x18-24/220-240 S	4050300638560	1350	20	0,14	0,60	67	80.00	40.00	22.00	72...75	-15...+50°C
T9 C 32W	QTi DALI 1x36/220-240 DIM	4050300870427	2250	36	0.16	0.98	63	360.00	30.00	21.00	350	+10...+50 °C
	QTi DALI 2x36/220-240 DIM	4050300870885	5500	69	0.31	0.98	80	423.00	30.00	21.00	415	+10...+50 °C
	QTi 1x36/220-240 DIM	4050300870625	2250	36	0.16	0.98	63	360.00	30.00	21.00	350	+15...+50 °C
	QTi 2x36/220-240 DIM	4050300870755	5500	69	0.31	0.98	80	425.00	30.00	21.00	415	+15...+50 °C
	HF 1x36/230-240 DIM	4050300297705	3350	36	0.17	0.97	93	360.00	30.00	30.00	350	0...+50 °C
	HF 2x36/230-240 DIM	4050300350974	6400	71	0.31	0.99	90	423.00	30.00	30.00	415	0...+50 °C
T9 C 40W	QTi DALI 1x36/220-240 DIM	4050300870427	2250	36	0.16	0.98	63	360.00	30.00	21.00	350	+10...+50 °C
	QTi DALI 2x36/220-240 DIM	4050300870885	5500	69	0.31	0.98	80	423.00	30.00	21.00	415	+10...+50 °C
	QTi 1x36/220-240 DIM	4050300870625	2250	36	0.16	0.98	63	360.00	30.00	21.00	350	+15...+50 °C
	QTi 1x36/220-240 DIM	4050300870755	5500	69	0.31	0.98	80	425.00	30.00	21.00	415	+15...+50 °C

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

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

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