

DULUX® T/E CONSTANT

CONSTANT HIGH LUMINOUS FLUX OVER A WIDE
RANGE OF TEMPERATURES



DULUX® T/E CONSTANT



QTi DALI 2x18-42 DIM

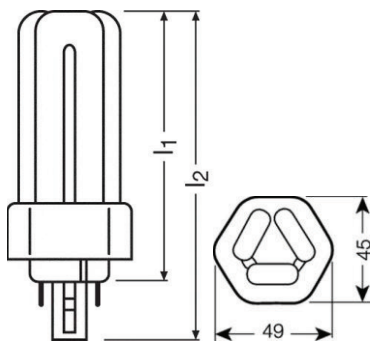
Benefits

- Extremely economical
- Excellent luminous flux at high and low ambient temperature
- Good quality of light
- Long service life time¹

Product Features

- Improve average lamp life: up to 20,000 h (with QUICKTRONIC®)
- Luminous flux greater than 90% in an ambient temperature range from +10° to +70° C
- Improved lumen maintenance
- Good color rendering index 1B (R_a 80...89)
- Dimmable from 3...100%
- For operation on electronic control gear (ECG)
- Available light colors: Cool White (840), Warm White (830), Extra Warm White (827)

Dimensions



Description	Base	Max Length L1 [mm]	Max Length L1 IEC [mm]	Max Length L2 [mm]
DULUX® T/E CONSTANT 26 W	GX24q-3	112	130	128
DULUX® T/E CONSTANT 32 W	GX24q-3	128	145	144
DULUX® T/E CONSTANT 42 W	GX24q-4	149	155	165

¹ 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 by 30% (decrease in luminous flux and failed lamps) for indoor lighting

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Electrical Data²

Lamps operated with **HF**³ reference control gear at 25 °C (100 h aged) ambient temperature

DULUX® T/E CONSTANT	Lamp Voltage rated [V]	Lamp Current rated [mA]	Lamp Power rated [W]
26 W	80	300	24.0
32 W	100	320	32.0
42 W	135	320	43.0

Photometrical Data at 25 °C (100 h aged) ambient temperature⁴

DULUX® T/E CONSTANT	Light Color LUMILUX®	Color Rendering Index (CRI), Ra	Lumi- nance (LC ⁵ 840) [cd/cm²]	Target Color Coordinate X	Target Color Coordinate Y	Nominal Luminous Flux [lm]	Efficacy 25 °C [lm/W]	Energy Efficiency Class
26 W	830 Warm White	80 ... 89	6.0	0.440	0.403	1800	75	B
26 W	840 Cool White	80 ... 89	6.0	0.380	0.380	1800	75	B
32 W	827 INTERNA	80 ... 89	6.5	0.455	0.415	2400	75	B
32 W	830 Warm White	80 ... 89	6.5	0.440	0.403	2400	75	B
32 W	840 Cool White	80 ... 89	6.5	0.380	0.380	2400	75	B
42 W	827 INTERNA	80 ... 89	7.0	0.455	0.415	3200	74	B
42 W	830 Warm White	80 ... 89	7.0	0.440	0.403	3200	74	B
42 W	840 Cool White	80 ... 89	7.0	0.380	0.380	3200	74	B

² According to IEC 60929

³ High Frequency

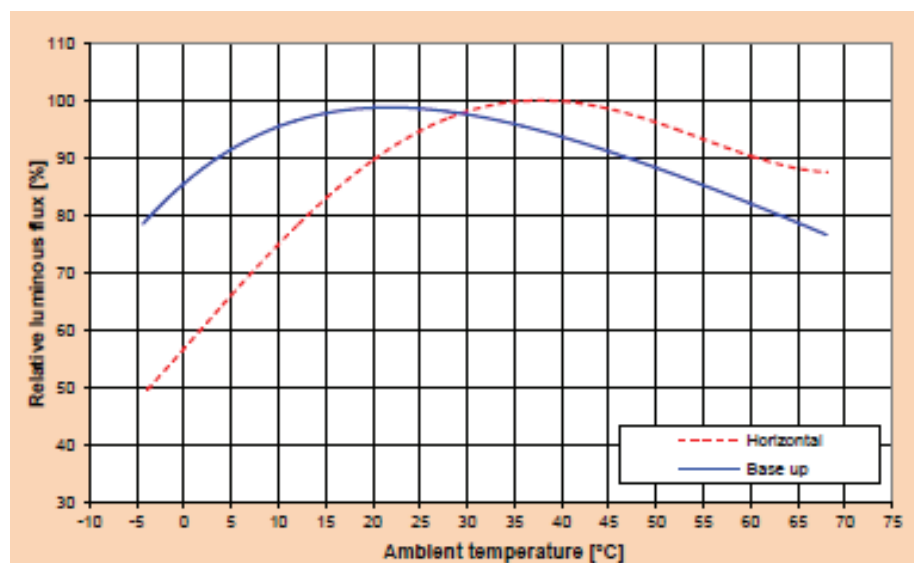
⁴ Measurement in accordance with IEC 60901, annex C and the relevant annex on rated colour characteristics in IEC 60081.

⁵ Light Color

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Relative Luminous Flux / Ambient Temperature



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

Lifetime⁶

	ECG ⁷ preheated IEC switching cycle ⁸
B50⁹	20,000 h ¹⁰
Service life time¹¹	13,000 h
LLMF¹² 2.000 h	0.90
LLMF 4.000 h	0.84
LLMF 6.000 h	0.82
LLMF 8.000 h	0.81
LLMF 12.000 h	0.78
LLMF 16.000 h	0.78
LLMF 20.000 h	0.76
LSF¹³ 2.000 h	0.99
LSF 4.000 h	0.99
LSF 6.000 h	0.99
LSF 8.000 h	0.99
LSF 12.000 h	0.95
LSF 16.000 h	0.80
LSF 20.000 h	0.50

Logistic Data

Description	EAN 10	EAN 40	Packaging Unit
DULUX® T/E CONSTANT 26W/830	4050300425467	4050300425474	10
DULUX® T/E CONSTANT 26W/840	4050300425443	4050300425450	10
DULUX® T/E CONSTANT 32W/827	4050300425542	4050300425559	10
DULUX® T/E CONSTANT 32W/830	4050300425528	4050300425535	10
DULUX® T/E CONSTANT 32W/840	4050300425504	4050300425511	10
DULUX® T/E CONSTANT 42W/827	4050300425603	4050300425610	10
DULUX® T/E CONSTANT 42W/830	4050300425580	4050300425597	10

⁶ Measurement in accordance with IEC 60901

⁷ Electronic Control Gear

⁸ Switching cycle 165 min. on, 15 min. off (according to IEC)

⁹ 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.

¹⁰ Different lifetime for single lamps: DULUX® T/E CONSTANT 42W: 13,000 h [B50]

¹¹ 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 by 30% (decrease in luminous flux and failed lamps) for indoor lighting

¹² 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

¹³ Lamp Survival Factor (Lamp Survival in %): Ratio of the number of electrically intact lamps to the total number of lamps

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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 [λ]	System luminous efficacy [lm/W]	Length [mm]	Width [mm]	Height [mm]	Distance between holes [mm]	T _a [°C]
DULUX® T/E CONSTANT 26 W	QTI DALI-T/E 1x18-57 DIM	4008321060808	1800	29	0.13	0.97	60	123	79	33	129.5	+10...+50
	QTI DALI-T/E 2x18-42 DIM	4008321060822	3600	56	0.25	0.98	64	123	79	33	129.5	+10...+50
	QTI-T/E 1x18-57 DIM	4008321060860	1800	29	0.13	0.97	60	123	79	33	129.5	+10...+50
	QTI-T/E 2x18-42 DIM	4008321060846	3600	56	0.25	0.98	64	123	79	33	129.5	+10...+50
	QTM 2x26-42/220-240 S	4008321110022	3600	54	0.23	0.97	67	123	79	33	129.5	-20...+50
	QTP-M 1x26-42	4008321329134	1750	27	0.12	0.95	65	103	67	31	110	-20...+50
	QTP-M 2x26-32	4008321329158	3500	53	0.24	0.97	66	123	79	33	129.5	-20...+50
	QTP-T/E 1x26-42, 2x26	4008321537089	1750	28	0.13	0.95	63	103	67	31	110	-20...+50
	QTP-T/E 1x26-42, 2x26 (2x)	4008321537089	3500	54	0.24	0.98	65	103	67	31	110	-20...+50
	QTI DALI-T/E 1x18-57 DIM	4008321060808	2400	36	0.16	0.98	67	123	79	33	129.5	+10...+50
DULUX® T/E CONSTANT 32 W	QTI DALI-T/E 2x18-42 DIM	4008321060822	4800	69	0.30	0.99	70	123	79	33	129.5	+10...+50
	QTI-T/E 1x18-57 DIM	4008321060860	2400	36	0.16	0.98	67	123	79	33	129.5	+10...+50
	QTI-T/E 2x18-42 DIM	4008321060846	4800	69	0.30	0.99	70	123	79	33	129.5	+10...+50
	QTM 2x26-42/220-240 S	4008321110022	4800	70	0.30	0.97	69	123	79	33	129.5	-20...+50
	QTP-M 1x26-42	4008321329134	2400	35	0.16	0.97	69	103	67	31	110	-20...+50
	QTP-M 2x26-32	4008321329158	4800	68	0.30	0.97	71	123	79	33	129.5	-20...+50
DULUX® T/E CONSTANT 42 W	QTP-T/E 1x26-42, 2x26	4008321537089	2400	35	0.15	0.95	69	103	67	31	110	-20...+50
	QTI DALI-T/E 1x18-57 DIM	4008321060808	3200	47	0.21	0.99	68	123	79	33	129.5	+10...+50
	QTI DALI-T/E 2x18-42 DIM	4008321060822	6400	90	0.39	0.99	71	123	79	33	129.5	+10...+50
	QTI-T/E 1x18-57 DIM	4008321060860	3200	47	0.21	0.99	68	123	79	33	129.5	+10...+50
	QTI-T/E 2x18-42 DIM	4008321060846	6400	90	0.39	0.99	71	123	79	33	129.5	+10...+50
	QTM 2x26-42/220-240 S	4008321110022	6400	92	0.39	0.97	70	123	79	33	129.5	-20...+50
	QTP-M 1x26-42	4008321329134	3200	46	0.20	0.97	70	103	67	31	110	-20...+50
	QTP-M 2x26-32	4008321329158	3200	46	0.20	0.97	70	123	79	33	129.5	-20...+50
	QTP-T/E 1x26-42, 2x26	4008321537089	3200	45	0.20	0.95	71	103	67	31	110	-20...+50

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

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