

L 18 W/840 XT

LUMILUX XT T8 | Tubular fluorescent lamps 26 mm, with G13 bases, long life



Areas of application

- Installations where relamping would disturb normal operations
- Street lighting
- Public buildings
- Industry
- Shops
- Supermarkets and department stores

Product benefits

- Much lower total cost of ownership (TCO) compared with T8 LUMILUX lamps
- Service life 2.3 times higher than that of a standard LUMILUX lamp
- Longer standard life time, so fewer lamps for waste disposal

Product features

- Extremely reliable: long life, low premature failure rate, 90 % luminous flux throughout their life
- Service life: up to 42,000 h on preheat ECGs or up to 35,000 h on CCGs
- Good color rendering group: 1B (R_a : 80...89)
- Dimmable (for details see the Technical Guide)
- Top-quality three-band phosphor: LUMILUX



Technical data

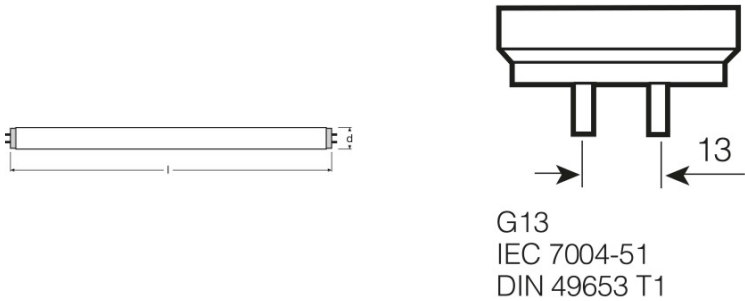
Electrical data

Nominal wattage	18.00 W
Rated lamp efficacy (HF data 25 °C)	Under clarification by authority and standardization body
Rated lamp efficacy (standard condition)	75 lm/W
Rated wattage	18.00 W
Lamp current	0.37000 A

Photometrical data

Color rendering index Ra	≥80
Rated luminous flux	1350 lm
Luminous flux at 25 °C	1350 lm
Light color	840
Color temperature	4000 K
Nominal luminous flux	1350 lm
Light color as per EN 12464-1	LUMILUX Cool White
Rated LLMF at 2,000 h	0.95
Rated LLMF at 4,000 h	0.92
Rated LLMF at 6,000 h	0.91
Rated LLMF at 8,000 h	0.90
Rated LLMF at 12,000 h	0.89
Rated LLMF at 16,000 h	0.88
Rated LLMF at 20,000 h	0.87
Color coordinates chromaticity diagram	0.38/0.38

Dimensions & weight



Tube diameter	26 mm
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Product datasheet

Length	590.0 mm
Length with base excl. base pins/connection	590.00 mm
Diameter	26.0 mm
Maximum diameter	26.0 mm

Temperatures

Rated ambient temp.w.max.luminous flux	25.0 °C
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Lifespan

Service life	42000 h ¹⁾
Lifespan	50000 h ¹⁾
Rated lamp survival factor at 2,000 h	0.99
Rated lamp survival factor at 4,000 h	0.99
Rated lamp survival factor at 6,000 h	0.99
Rated lamp survival factor at 8,000 h	0.99
Rated lamp survival factor at 12,000 h	0.99
Rated lamp survival factor at 16,000 h	0.98
Rated lamp survival factor at 20,000 h	0.93
Operation mode LLMF/LSF	50 Hz
Rated lamp life time	50000 h
Nominal lamp life time	50000 h

¹⁾ With OSRAM preheat ECG (BAT)

Additional product data

Base (standard designation)	G13
Lamp mercury content	3.3 mg
Appropriate disposal acc. to WEEE	Yes

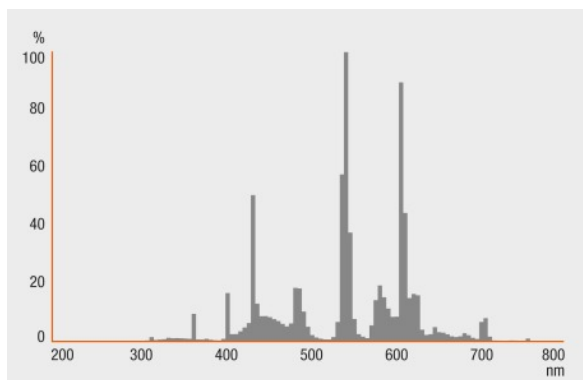
Capabilities

Suitable for indoor	Yes
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Certificates & standards

Energy efficiency class	A
Energy consumption	22 kWh/1000h

Light Distribution



Spectral power distribution

System guarantee

OSRAM System+ Guarantee in combination with OSRAM ECGs

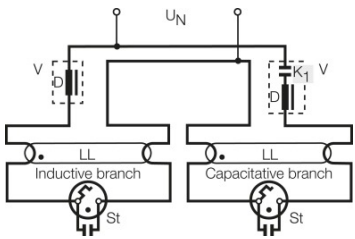


Guarantee

Safety advice

In case of lamp breakage: www.osram.com/brokenlamp
Fixture must be cleaned regularly to avoid loss of luminous flux.

Product datasheet



Circuit diagram

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321209108	L 18 W/840 XT	Shipping carton box 25	469 mm x 307 mm x 145 mm	20.88 dm ³	2625.00 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

References / Links

For more information on the system guarantee and the terms and conditions of the guarantee visit

► www.osram.com/system-guarantee

For more information on QUICKTRONIC electronic control gear go to

► www.osram.com/QUICKTRONIC

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

L 18 W/840 XT

LUMILUX XT T8 | Tubular fluorescent lamps 26 mm, with G13 bases, long life

Product name	Product name ECG	EAN	Luminous flux at 35 °C	Number of lighting outlets	Nominal current	Nominal wattage + Power loss
L 18W/840 XT	QT-FIT 5/8 1x18-39	4008321873927	1350 lm	1		
	QT-FIT 5/8 2x18-39	4008321873903	1350 lm	2		
	QT-FIT8 1x18	4008321294180	1350 lm	1	0.09 A	19.00 W
	QT-FIT8 2x18	4008321294241	1350 lm	2	0.16 A	36.00 W
	QT-FIT8 3x18, (4x18)	4008321294302	1350 lm	3	0.25 A	54.00 W
	QT-FIT8 3x18, (4x18)	4008321294302	1350 lm	4	0.33 A	74.00 W
	QTi 1x14/24/21/39 GII	4008321383334	1350 lm	1	0.09 A	19.00 W
	QTi 1x18 DIM	4050300870601	1350 lm	1	0.08 A	19.00 W
	QTi 2x14/24/21/39 GII	4008321383396	1350 lm	2	0.17 A	37.00 W
	QTi 2x18 DIM	4050300870960	1350 lm	2	0.16 A	37.00 W
	QTi 3x18 DIM	4008321069931	1350 lm	3	0.24 A	53.60 W
	QTi 4x18 DIM	4008321070012	1350 lm	4	0.31 A	69.30 W
	QTi DALI 1x18 DIM	4050300870403	1350 lm	1	0.08 A	18.30 W
	QTi DALI 2x18 DIM	4050300870526	1350 lm	2	0.16 A	36.50 W
	QTi DALI 3x18 DIM	4008321069979	1350 lm	3	0.24 A	53.60 W
	QTi DALI 4x18 DIM	4008321070050	1350 lm	4	0.31 A	69.30 W
	QTP8 1x18	4008321131584	1350 lm	1	0.09 A	18.00 W
	QTP8 2x18	4008321131607	1350 lm	2	0.17 A	35.00 W

Product datasheet

Product name	Product name ECG	EAN	Luminous flux at 35 °C	Number of lighting outlets	Nominal current	Nominal wattage + Power loss
	QTP8 3x18, 4x18	4008321131706	1300 lm	3	0.26 A	56.00 W
	QTP8 3x18, 4x18	4008321131706	1300 lm	4	0.32 A	73.00 W
	QTP-DL 1x18-24	4008321117861	1300 lm	1	0.09 A	18.00 W
	QTP-DL 2x18-24	4008321117885	1300 lm	2	0.17 A	37.00 W
	QTP-M 1x26-42	4008321329134	1350 lm	1	0.10 A	19.00 W
	QTP-M 2x26-32	4008321329158	1350 lm	2	0.17 A	36.00 W
	QTP-OPTIMAL 1x18-40	4008321873743	1350 lm	1	0.10 A	20.00 W
	QTP-OPTIMAL 2x18-40	4008321873767	1350 lm	2	0.17 A	39.00 W