HO XT 80 W/840

LUMILUX T5 HO XT | Tubular fluorescent lamps 16 mm, high output, long life, with G5 base



Areas of application

- Industry
- Tunnels, underpasses

Product benefits

- Much lower total cost of ownership, comprising investment, maintenance and relamping costs
- Lower maintenance costs thanks to longer replacement intervals
- Longer service life, so fewer lamps for waste disposal
- Compatible with and easily exchangeable with conventional T5 lamps
- High luminous flux

Product features

- Extremely reliable: long life, low premature failure rate, 90 % luminous flux throughout their life
- Extremely long average lifetime: up to 45,000 h (with QUICKTRONIC ECG)
- Good color rendering group: 1B (R_a: 80...89)
- Dimmable

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Technical data

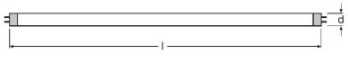
Electrical data

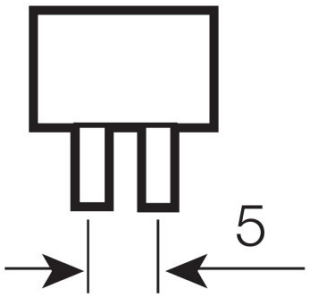
Nominal voltage	152 V
Nominal wattage	80.00 W
Rated lamp efficacy (HF data 25 °C)	77 lm/W
Rated wattage	79.80 W

Photometrical data

Color rendering index Ra	≥80
Rated luminous flux	6150 lm
Luminous flux at	6150 lm
Luminous flux at	7000 lm
Light color	4000
Rated color temperature	4000 K
Nominal luminous flux	6150 lm
Light color (designation)	LUMILUX Cool White
Rated LLMF at 2,000 h	0.95
Rated LLMF at 4,000 h	0.93
Rated LLMF at 6,000 h	0.92
Rated LLMF at 8,000 h	0.90
Rated LLMF at 12,000 h	0.90
Rated LLMF at 16,000 h	0.90
Rated LLMF at 20,000 h	0.89

Dimensions & weight





Tube diameter	16 mm
Length	1449 mm
Length with base excl. base pins/connection	1449.00 mm

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Diameter	16.0 mm

Temperatures & operating conditions

Rated ambient temp.w.max.luminous flux	35.0 °C

Lifespan

Service life	30000 h [1)]
Lifespan	45000 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	0.99
Rated lamp survival factor at 20,000 h	0.98
Operation mode LLMF/LSF	HF
Rated lamp life time	45000 h

[1)] With preheat ECG

Additional product data

Base (standard designation)	G5
Mercury content	2.5 mg
Product remark	For ECG operation onlyLamp designed for internal luminaire temperatures of 30...40 °C; optimum luminous flux achieved at 35 °C

Capabilities

Dimmable	Yes
Suitable for indoor	Yes

Certificates & standards

Energy efficiency class	A
Energy consumption	88 kWh/1000h

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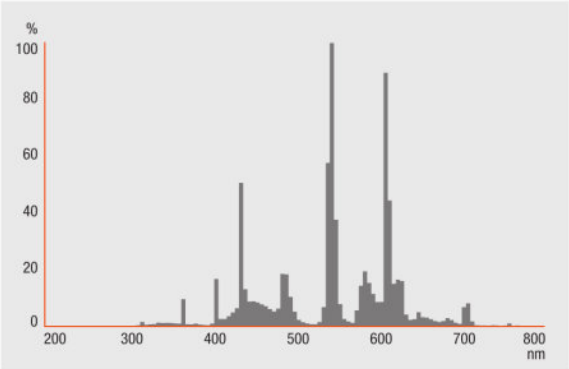
Light Distribution



Spectral power distribution

System guarantee

OSRAM System+ Guarantee in combination with OSRAM ECGs

Safety advice

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

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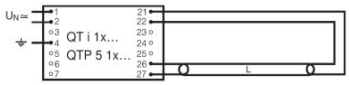
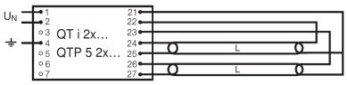


Circuit diagram



Circuit diagram

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321958594	HO XT 80 W/840	Shipping carton box 20 Pieces Sleeves	1482 mm x 83 mm x 104 mm	12.79 dm^3	3450.00 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

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Product name	Product name ECG	EAN	Nominal current	Nominal wattage + Power loss	Luminous flux at 35 °C	Number of lighting outlets
HO XT 80 W/840	QT-FQ 2x80	4050300825564	0.76 A	175.00 W	6300 lm	2
	QTi 1x35/49/80 DIM	4050300870540	0.39 A	88.10 W	6150 lm	1
	QTi 1x35/49/80 GII	4008321383372	0.38 A	85.00 W	6150 lm	1
	QTi 2x35/49/80 DIM	4050300870984	0.74 A	165.00 W	6150 lm	2
	QTi 2x35/49/80 GII	4008321658951	0.70 A	167.00 W	6150 lm	2
	QTi DALI 1x35/49/80 DIM	4050300870342	0.39 A	88.10 W	6150 lm	1
	QTi DALI 2x35/49/80 DIM	4050300870441	0.74 A	165.00 W	6150 lm	2
	QTP5 1x80	4008321329059	0.38 A	86.00 W	6150 lm	1

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