

DULUX L 18 W/840 2G11

OSRAM DULUX L LUMILUX | CFLni, with 4-pin 2G11 base for ECG/CCG operation



Areas of application

- Offices, public buildings
- Shops
- Supermarkets and department stores
- Hotels, restaurants
- Industry

Product benefits

- Very economical
- Outstanding luminous flux
- Outstanding luminous efficiency
- Long service life
- OSRAM System+ Guarantee in combination with OSRAM QUICKTRONIC ECG
- Less than half as long as tubular fluorescent lamps
- Improved maintenance

Product features

- Short and compact pin-base lamp with double-turn tubes
- Single-ended four-pin plug-in 2G11 base
- Dimmable (1...100 % with QUICKTRONIC QT_i DALI/DIM)
- Color rendering index R_a : 80...89
- Average life: 20,000 h (with QUICKTRONIC)
- Operates on battery, solar and AC power with suitable electronic control gear
- Also available in blue



Technical data

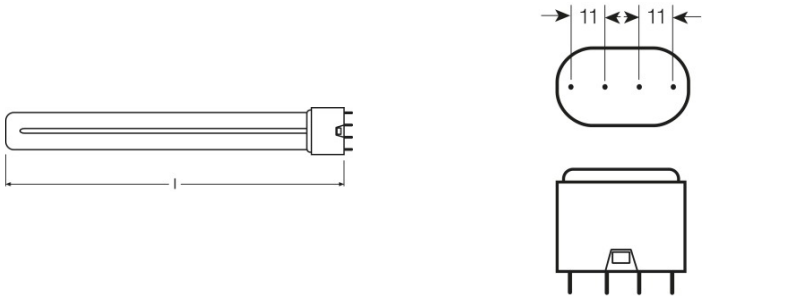
Electrical data

Nominal wattage	18 W
Rated lamp efficacy (standard condition)	67 lm/W
Rated wattage	18.00 W
Energy consumption	20 kWh/1000h

Light technical data

Nominal luminous flux	1200 lm
Color temperature	4000 K
Color rendering index Ra	80-89
Rated luminous flux	1200 lm
Luminous flux at 25 °C	1200 lm
Light color	840
Light color as per EN 12464-1	LUMILUX Cool White
Rated LLMF at 2,000 h	0.93
Rated LLMF at 4,000 h	0.90
Rated LLMF at 6,000 h	0.88
Rated LLMF at 8,000 h	0.86
Rated LLMF at 12,000 h	0.84
Rated LLMF at 16,000 h	0.81
Rated LLMF at 20,000 h	0.80
Luminance	2.1 cd/cm²

Dimensions & weight



Product line drawing

Base

Product datasheet

Overall length	217.0 mm
Tube diameter	17.5 mm
Length	217.0 mm
Length acc. to IEC standard	225 mm
Length with base excl. base pins/connection	217.00 mm

Colors & materials

Lamp mercury content	1.7 mg
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Temperatures

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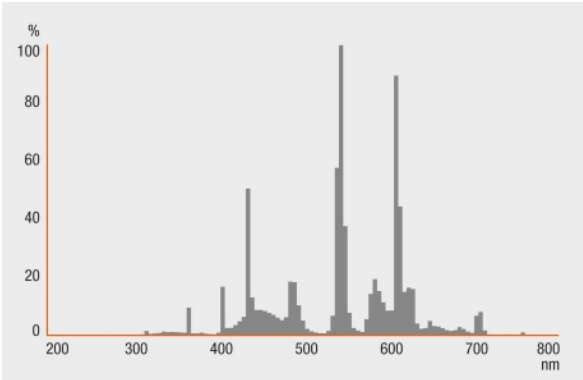
Lifespan

Nominal lamp life time	20000 h
Service life	13000 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	0.95
Rated lamp survival factor at 16,000 h	0.81
Rated lamp survival factor at 20,000 h	0.50
Operation mode LLMF/LSF	HF
Lifespan	20000 h ¹⁾
Rated lamp life time	20000 h

¹⁾ With preheat ECG

Additional product data

Product datasheet



Spectral power distribution

Base (standard designation)	2G11
Appropriate disposal acc. to WEEE	Yes
Footnote only for product	For ECG and CCG operation

Capabilities

Suitable for indoor	Yes
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Certificates & standards

Energy efficiency class	A
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Country specific information

Product code	METEL code	SEG number	STK number	UK Org
4050300010724	OSRDL18840	8330444	4933880	-

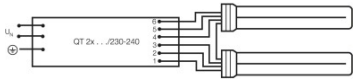
Product datasheet

Lamp-ECG combination (System)

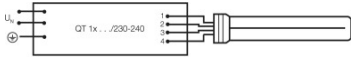
Product name	Product name ECG	EAN	Nominal current	Nominal wattage + Power loss	Luminous flux at 35 °C	Number of lighting outlets
DULUX L 18W/840 2G11	QT 1x18 DIM	4008321645647	0.08 A	18.90 W	1350 lm	1
	QT 2x18 DIM	4008321645852	0.17 A	37.70 W	1350 lm	2
	QT-ECO 1x18-24/220-240 L	4050300660417	0.13 A	18.00 W	1200 lm	1
	QT-ECO 1x18-24/220-240 S	4050300638560	0.13 A	18.00 W	1200 lm	1
	QTP-DL 1x18-24	4008321117861	0.085 A	18.00 W	1200 lm	1
	QTP-DL 2x18-24	4008321117885	0.16 A	36.00 W	1200 lm	2
	QTP-M 1x26-42	4008321329134	0.09 A	18.00 W	1150 lm	1
	QTP-M 2x26-32	4008321329158	0.16 A	36.00 W	1150 lm	2
	QTP-OPTIMAL 1x18-40	4008321873743	0.09 A	19.00 W	1150 lm	1
	QTP-OPTIMAL 2x18-40	4008321873767	0.16 A	36.00 W	1150 lm	2
	QTi 1x18 DIM	4050300870601	0.08 A	19.00 W	1200 lm	1
	QTi 2x18 DIM	4050300870960	0.16 A	37.00 W	1200 lm	2
	QTi 3x18 DIM	4008321069931	0.24 A	53.60 W	1200 lm	3
	QTi 4x18 DIM	4008321070012	0.31 A	69.30 W	1200 lm	4
	QTi DALI 1x18 DIM	4050300870403	0.08 A	18.00 W	1200 lm	1
	QTi DALI 2x18 DIM	4050300870526	0.16 A	37.00 W	1200 lm	2
	QTi DALI 3x18 DIM	4008321069979	0.24 A	53.60 W	1200 lm	3
	QTi DALI 4x18 DIM	4008321070050	0.31 A	69.30 W	1200 lm	4

Equipment / Accessories

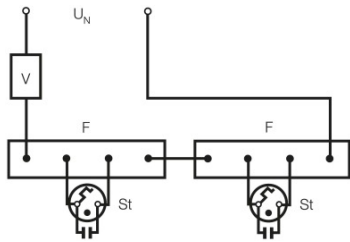
- Suitable for standard control gears and starters
- Suitable for operation on electronic and conventional control gear



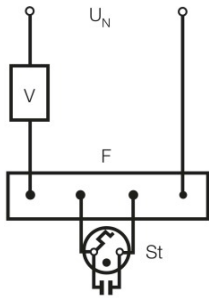
Circuit diagram



Circuit diagram



Circuit diagram



Circuit diagram

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (height x width x length)	Volume	Gross weight
4050300010724	DULUX L 18 W/840 2G11	Folding carton box 1	46 mm x 27 mm x 246 mm	0.31 dm ³	67.67 g
4050300242125	DULUX L 18 W/840 2G11	Shipping carton box 10	136 mm x 103 mm x 260 mm	3.64 dm ³	903.00 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 QUICKTRONIC electronic control gear go to

▶ www.osram.com/QUICKTRONIC

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

▶ www.osram.com/system-guarantee

Disclaimer

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