

# PRODUCT DATASHEET

## FC 55 W/827

LUMILUX T5 FC | Circular fluorescent lamps 16 mm, with 2GX13 base



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### AREAS OF APPLICATION

- Public buildings
- Offices
- Restaurants
- Industry
- Shops
- Supermarkets and department stores
- Hotels

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### PRODUCT BENEFITS

- Extremely economical
- Good quality of light
- Excellent luminous flux
- Excellent uniform illumination with no shadows
- Good average life (with OSRAM ECG)

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### PRODUCT FEATURES

- Good color rendering group: 1B ( $R_a$ : 80...89)
- Dimmable (from 100...1 % with QTi DALI/DIM ECG)
- Single-ended round fluorescent lamp
- Tube diameter: 16.0 mm



**TECHNICAL DATA**

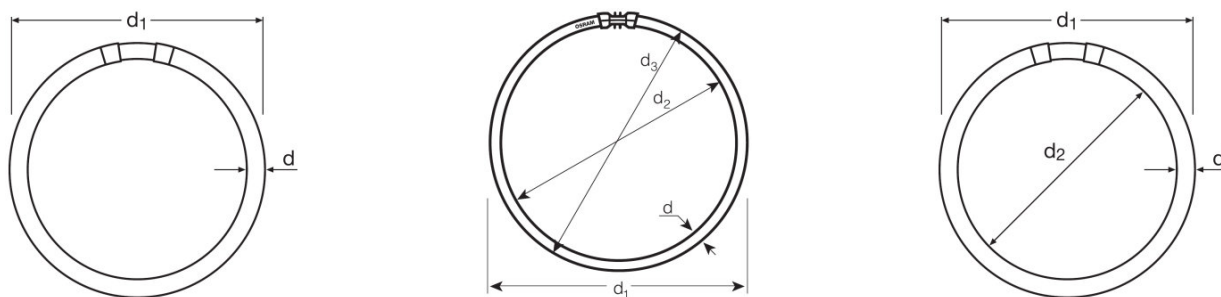
Electrical data

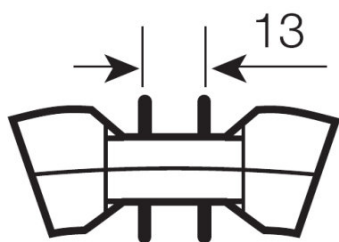
Nominal wattage	55.00 W
Rated wattage	55.00 W

Photometrical data

Rated lamp efficacy (standard condition)	76 lm/W
Color rendering index Ra	≥80
Rated luminous flux	4200 lm
Luminous flux at 25 °C	4200 lm
Light color	827
Rated color temperature	2700 K
Nominal luminous flux	4200 lm
Light color (designation)	LUMILUX INTERNA
Rated LLMF at 2,000 h	0.85
Rated LLMF at 4,000 h	0.83
Rated LLMF at 6,000 h	0.80
Rated LLMF at 8,000 h	0.80
Rated LLMF at 12,000 h	0.75

Dimensions & weight





<b>Tube diameter</b>	16 mm
<b>Length</b>	305.0 mm
<b>Length with base excl. base pins/connection</b>	300.00 mm
<b>Diameter</b>	16.0 mm
<b>Maximum diameter</b>	16.0 mm

Temperatures & operating conditions

<b>Rated ambient temp.w.max.luminous flux</b>	35.0 °C
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Lifespan

<b>Service life</b>	8000 h <sup>1)</sup>
<b>Lifespan</b>	12000 h <sup>1)</sup>
<b>Rated lamp survival factor at 2,000 h</b>	0.99
<b>Rated lamp survival factor at 4,000 h</b>	0.99
<b>Rated lamp survival factor at 6,000 h</b>	0.98
<b>Rated lamp survival factor at 8,000 h</b>	0.92
<b>Rated lamp survival factor at 12,000 h</b>	0.50
<b>Operation mode LLMF/LSF</b>	HF
<b>Rated lamp life time</b>	12000 h
<b>Nominal lamp life time</b>	12000 h

<sup>1)</sup> With preheat ECG

Additional product data

<b>Base (standard designation)</b>	2GX13
<b>Mercury content</b>	3.8 mg
<b>Show WEEE picto</b>	Yes
<b>Product remark</b>	Suitable for ECG operation only

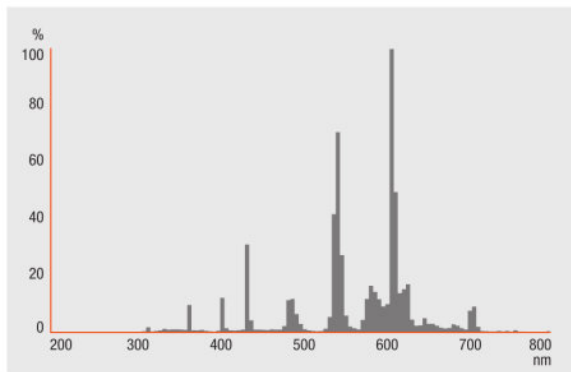
Capabilities

<b>Suitable for indoor</b>	Yes
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Certificates & standards

<b>Energy efficiency class</b>	A
<b>Energy consumption</b>	61 kWh/1000h

Light Distribution




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Spectral power distribution

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**SYSTEM GUARANTEE**

OSRAM System+ Guarantee in combination with OSRAM ECGs

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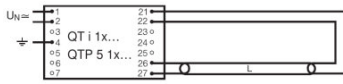
**EQUIPMENT / ACCESSORIES**

- Exclusively for operation on electronic control gears

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**SAFETY ADVICE**

In case of lamp breakage: [www.ledvance.com/brokenlamp](http://www.ledvance.com/brokenlamp)



Circuit diagram

Circuit diagram

**LOGISTICAL DATA**

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300646275	FC 55 W/827	Shipping carton box 12	375 mm x 320 mm x 328 mm	39.36 dm <sup>3</sup>	2787.00 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.ledvance.com/system-guarantee](http://www.ledvance.com/system-guarantee)

**DISCLAIMER**

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

## LUMILUX T5 FC | Circular fluorescent lamps 16 mm, with 2GX13 base

Product name	Product name ECG	EAN	Nominal current	Nominal wattage + Power loss	Luminous flux at 35 °C	Number of lighting outlets
FC 55 W/827	QTi 1x28/54 DIM	4050300870588	0.26 A	59.00 W	4450 lm	1
	QTi 1x35/49/80 GII	4008321383372	0.26 A	59.00 W	4200 lm	1
	QTi 2x28/54 DIM	4050300870717	0.51 A	115.00 W	4450 lm	2
	QTi 2x35/49/80 GII	4008321658951	0.53 A	119.00 W	4200 lm	2
	QTi DALI 1x28/54 DIM	4050300870809	0.26 A	59.00 W	4450 lm	1
	QTi DALI 2x28/54 DIM	4050300870502	0.51 A	115.00 W	4450 lm	2
	QTP-FC 1x55	4008321537041	0.26 A	59.00 W	4200 lm	1