

## L 18 W/840

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



### Areas of application

- Public buildings
- Office lighting
- Industry
- Shops
- Supermarkets and department stores
- Street lighting
- Outdoor applications only in suitable luminaires

### Product benefits

- Proven lamp technology
- Good economy thanks to high efficiency
- Available in many different light colors (2,700...8,000 K) for various applications

### Product features

- Very good lumen maintenance: 90 % throughout the service lifetime of the lamp
- Good color rendering group: 1B ( $R_a$ : 80...89)
- Dimmable
- Top-quality three-band phosphor: LUMILUX



# Product datasheet

## Technical data

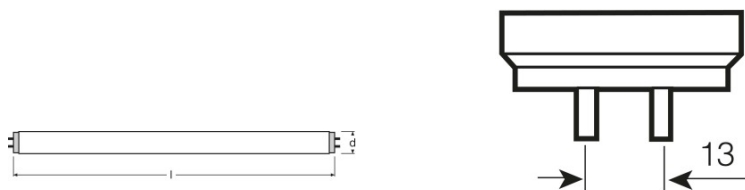
### Electrical data

|                                     |   |
|-------------------------------------|---|
| Nominal voltage                     | 57.0 V  |
| Nominal wattage                     | 18.00 W   |
| Rated lamp efficacy (HF data 25 °C) | Under clarification by authority and standardization body |
| Rated wattage                       | 18.00 W   |

### Photometrical data

|                           |                    |
|---------------------------|--------------------|
| Color rendering index Ra  | ≥80                |
| Luminous flux at 25 °C    | 1350 lm            |
| Light color               | 840                |
| Color temperature         | 4000 K             |
| Nominal luminous flux     | 1350 lm            |
| Light color (designation) | 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    | 0.80               |
| Rated LLMF at 16,000 h    | 0.90               |
| Rated LLMF at 20,000 h    | 0.89               |

### Dimensions & weight



G13  
IEC 7004-51  
DIN 49653 T1

|   |           |
|---|-----------|
| Tube diameter                               | 26 mm     |
| Length                                      | 590.0 mm  |
| Length with base excl. base pins/connection | 590.00 mm |
| Diameter                                    | 26.0 mm   |

## Product datasheet

|                  |         |
|------------------|---------|
| Maximum diameter | 26.0 mm |
|------------------|---------|

### Temperatures & operating conditions

|  |         |
|--|---------|
| Rated ambient temp.w.max.luminous flux | 25.0 °C |
|--|---------|

### Lifespan

|  |                       |
|--|-----------------------|
| Service life                           | 18000 h <sup>1)</sup> |
| Lifespan                               | 20000 h <sup>1)</sup> |
| 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  | 0.96                  |
| Rated lamp survival factor at 8,000 h  | 0.90                  |
| Rated lamp survival factor at 12,000 h | 0.70                  |
| Rated lamp survival factor at 16,000 h | 0.43                  |
| Rated lamp survival factor at 20,000 h | 0.50                  |
| Operation mode LLMF/LSF                | 50 Hz                 |
| Rated lamp life time                   | 20000 h               |
| Nominal lamp life time                 | 20000 h               |

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

### Additional product data

|                                   |        |
|-----------------------------------|--------|
| Base (standard designation)       | G13    |
| Lamp mercury content              | 2.5 mg |
| Appropriate disposal acc. to WEEE | Yes    |

### Capabilities

|                     |     |
|---------------------|-----|
| Dimmable            | Yes |
| Suitable for indoor | Yes |

### Certificates & standards

|                         |              |
|-------------------------|--------------|
| Energy efficiency class | A            |
| Energy consumption      | 23 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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Guarantee

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### Safety advice

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

## Product datasheet



Circuit diagram

### Logistical Data

| Product code  | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume                | Gross weight |
|---------------|---------------------|------------------------------|--------------------------------------|-----------------------|--------------|
| 4050300336800 | L 18 W/840          | Shipping carton box<br>10    | 677 mm x 60 mm x<br>177 mm           | 7.19 dm <sup>3</sup>  | 1381.40 g    |
| 4050300517797 | L 18 W/840          | Shipping carton box<br>25    | 632 mm x 194 mm x<br>145 mm          | 17.78 dm <sup>3</sup> | 2625.00 g    |
| 4052899306967 | L 18 W/840          | Shipping carton box<br>10    | 632 mm x 145 mm x<br>62 mm           | 5.68 dm <sup>3</sup>  | 1081.00 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](http://www.osram.com/system-guarantee)

For more information on QUICKTRONIC electronic control gear go to

▶ [www.osram.com/QUICKTRONIC](http://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

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

| Product name | Product name ECG         | EAN           | Nominal current | Nominal wattage + Power loss | Luminous flux at 35 °C | Number of lighting outlets |
|--------------|--------------------------|---------------|-----------------|------------------------------|------------------------|----------------------------|
| L 18 W/840   | HF 1x18/230-240 DIM      | 4050300319254 | 0.09 A          | 19.00 W                      | 1300 lm                | 1                          |
|              | HF 2x18/230-240 DIM      | 4050300350950 | 0.17 A          | 36.00 W                      | 1350 lm                | 2                          |
|              | 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 | 0.14 A          | 19.00 W                      | 1250 lm                | 1                          |
|              | QT-ECO 1x18-24/220-240 S | 4050300638560 | 0.14 A          | 19.00 W                      | 1250 lm                | 1                          |
|              | QT-FIT 5/8 1x18-39       | 4008321873927 | 0.10 A          | 21.00 W                      | 1350 lm                | 1                          |
|              | QT-FIT 5/8 2x18-39       | 4008321873903 | 0.17 A          | 39.00 W                      | 1350 lm                | 2                          |
|              | QT-FIT8 1x18             | 4008321294180 | 0.09 A          | 19.00 W                      | 1350 lm                | 1                          |
|              | QT-FIT8 2x18             | 4008321294241 | 0.16 A          | 36.00 W                      | 1350 lm                | 2                          |
|              | QT-FIT8 3x18, 4x18       | 4008321294302 | 0.25 A          | 54.00 W                      | 1350 lm                | 3                          |
|              | QT-FIT8 3x18, 4x18       | 4008321294302 | 0.33 A          | 74.00 W                      | 1350 lm                | 4                          |
|              | QTi 1x14/24/21/39 GII    | 4008321383334 | 0.09 A          | 19.00 W                      | 1350 lm                | 1                          |
|              | QTi 1x18 DIM             | 4050300870601 | 0.08 A          | 19.00 W                      | 1350 lm                | 1                          |
|              | QTi 2x14/24/21/39 GII    | 4008321383396 | 0.17 A          | 37.00 W                      | 1350 lm                | 2                          |
|              | QTi 3x18 DIM             | 4008321069931 | 0.24 A          | 53.60 W                      | 1350 lm                | 3                          |
|              | QTi 4x18 DIM             | 4008321070012 | 0.31 A          | 69.30 W                      | 1350 lm                | 4                          |
|              | QTi DALI 1x18 DIM        | 4050300870403 | 0.08 A          | 18.30 W                      | 1350 lm                | 1                          |

## Product datasheet

| Product name | Product name ECG    | EAN           | Nominal current | Nominal wattage + Power loss | Luminous flux at 35 °C | Number of lighting outlets |
|--------------|---------------------|---------------|-----------------|------------------------------|------------------------|----------------------------|
|              | QTi DALI 2x18 DIM   | 4050300870526 | 0.16 A          | 36.50 W                      | 1350 lm                | 2                          |
|              | QTi DALI 3x18 DIM   | 4008321069979 | 0.24 A          | 53.60 W                      | 1350 lm                | 3                          |
|              | QTi DALI 4x18 DIM   | 4008321070050 | 0.31 A          | 69.30 W                      | 1350 lm                | 4                          |
|              | QTP8 1x18           | 4008321131584 | 0.09 A          | 18.00 W                      | 1350 lm                | 1                          |
|              | QTP8 2x18           | 4008321131607 | 0.17 A          | 35.00 W                      | 1350 lm                | 2                          |
|              | QTP8 3x18, 4x18     |               | 0.26 A          | 56.00 W                      |                        | 3                          |
|              | QTP8 3x18, 4x18     |               | 0.32 A          | 73.00 W                      |                        | 4                          |
|              | QTP8 3x18, 4x18     |               | 0.26 A          | 56.00 W                      | 1300 lm                | 3                          |
|              | QTP8 3x18, 4x18     |               | 0.32 A          | 73.00 W                      | 1300 lm                | 4                          |
|              | QTP-DL 1x18-24      | 4008321117861 | 0.09 A          | 18.00 W                      | 1300 lm                | 1                          |
|              | QTP-DL 2x18-24      | 4008321117885 | 0.17 A          | 37.00 W                      | 1300 lm                | 2                          |
|              | QTP-M 1x26-42       | 4008321329134 | 0.10 A          | 19.00 W                      | 1350 lm                | 1                          |
|              | QTP-M 2x26-32       | 4008321329158 | 0.17 A          | 36.00 W                      | 1350 lm                | 2                          |
|              | QTP-OPTIMAL 1x18-40 | 4008321873743 | 0.10 A          | 20.00 W                      | 1350 lm                | 1                          |
|              | QTP-OPTIMAL 2x18-40 | 4008321873767 | 0.17 A          | 39.00 W                      | 1350 lm                | 2                          |
|              | QTz8 1x18           | 4008321863263 | 0.09 A          | 20.00 W                      | 1350 lm                | 1                          |
|              | QTz8 2x18           | 4008321863300 | 0.09 A          | 23.00 W                      | 1350 lm                | 2                          |
|              | QTz8 3x18           | 4008321863348 | 0.25 A          | 54.00 W                      | 1350 lm                | 3                          |
|              | QTz8 4x18           | 4008321863362 | 0.25 A          | 54.00 W                      | 1350 lm                | 4                          |