

# Product datasheet

## L 18 W/865

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



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

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



### Technical data

#### Electrical data

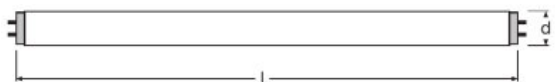
|                                     |   |
|-------------------------------------|---|
| Nominal voltage                     | 57.0 V  |
| Nominal wattage                     | 18.00 W   |
| Rated lamp efficacy (HF data 25 °C) | Under clarification by authority and standardization body |
| Rated wattage                       | 18.00 W   |
| Nominal current                     | 0.37 A  |

#### Photometrical data

|  |                       |
|--|-----------------------|
| Rated lamp efficacy (standard condition) | 72 lm/W               |
| Color rendering index Ra                 | ≥77                   |
| Rated luminous flux                      | 1300 lm               |
| Luminous flux at                         | 1300 lm               |
| Light color                              | 765                   |
| Rated color temperature                  | 6500 K                |
| Nominal luminous flux                    | 1300 lm               |
| Light color (designation)                | LUMILUX Cool Daylight |
| Rated LLMF at 2,000 h                    | 0.96                  |
| Rated LLMF at 4,000 h                    | 0.94                  |
| Rated LLMF at 6,000 h                    | 0.93                  |
| Rated LLMF at 8,000 h                    | 0.91                  |
| Rated LLMF at 12,000 h                   | 0.91                  |
| Rated LLMF at 16,000 h                   | 0.90                  |
| Rated LLMF at 20,000 h                   | 0.89                  |
| Color temperature                        | 6500 K                |
| Luminous flux                            | 1300 lm               |

## Dimensions & weight

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|   |           |
|---|-----------|
| Tube diameter                               | 26 mm     |
| Length                                      | 590.0 mm  |
| Length with base excl. base pins/connection | 590.00 mm |
| Diameter                                    | 26.0 mm   |
| Product weight                              | 78.00 g   |
| Outer bulb                                  | T26       |
| 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  | 0.99                  |
| 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 | 0.50                  |
| Operation mode LLMF/LSF                | HF                    |
| Rated lamp life time                   | 20000 h               |

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

## Additional product data

|                             |     |
|-----------------------------|-----|
| Base (standard designation) | G13 |
|-----------------------------|-----|

## Product datasheet

|                                   |        |
|-----------------------------------|--------|
| Mercury content                   | 2.5 mg |
| Appropriate disposal acc. to WEEE | Yes    |

### Capabilities

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

### Certificates & standards

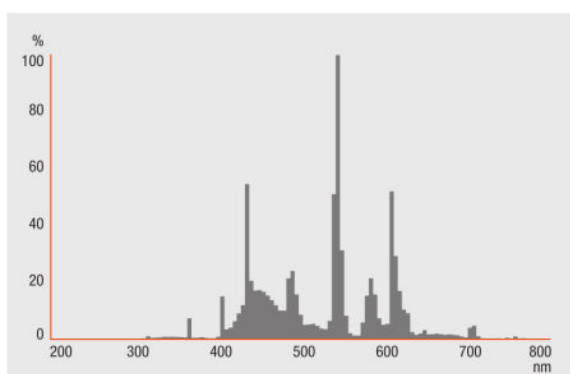
|                         |              |
|-------------------------|--------------|
| Energy efficiency class | A            |
| Energy consumption      | 23 kWh/1000h |

### Country specific categorizations

|                 |           |
|-----------------|-----------|
| Order reference | L 18W/865 |
|-----------------|-----------|

### Light Distribution

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FL\_865

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### System guarantee

OSRAM System+ Guarantee in combination with OSRAM ECGs

## Product datasheet

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DUO CIRCUIT

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### Logistical Data

| Product code  | Product description | Packaging unit<br>(Pieces/Unit)          | Dimensions (length<br>x width x height) | Volume                | Gross weight |
|---------------|---------------------|--|---|-----------------------|--------------|
| 4050300517773 | L 18 W/865          | Shipping carton box<br>25 Pieces Sleeves | 142 mm x 145 mm x<br>632 mm             | 13.01 dm <sup>3</sup> | 2745.00 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.

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### 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)

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### Disclaimer

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

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## L 18 W/865

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

| Product name | Product name ECG         | EAN           | Nominal current | Nominal wattage + Power loss | Power factor $\lambda$ [PIM] | Luminous flux at 35 °C |
|--------------|--------------------------|---------------|-----------------|------------------------------|------------------------------|------------------------|
| L 18 W/865   | QT-ECO 1x18-24/220-240 S | 4050300638560 | 0.14 A          | 19.00 W                      | 0.60 c                       | 1250 lm                |
|              | QT-FIT 5/8 1x18-39       | 4008321873927 | 0.10 A          | 21.00 W                      | 0.95                         | 1350 lm                |
|              | QT-FIT 5/8 2x18-39       | 4008321873903 | 0.17 A          | 39.00 W                      | 0.95                         | 1350 lm                |
|              | QT-FIT8 1x18             | 4008321294180 | 0.09 A          | 19.00 W                      | 0.95                         | 1350 lm                |
|              | QT-FIT8 2x18             | 4008321294241 | 0.16 A          | 36.00 W                      | 0.98                         | 1350 lm                |
|              | QT-FIT8 3x18, 4x18       | 4008321294302 | 0.33 A          | 74.00 W                      | 0.99                         | 1350 lm                |
|              | QT-FIT8 3x18, 4x18       | 4008321294302 | 0.25 A          | 54.00 W                      | 0.97                         | 1350 lm                |
|              | QTi 1x14/24/21/39 GII    | 4008321383334 | 0.09 A          | 19.00 W                      | 0.93 c                       | 1350 lm                |
|              | QTi 2x14/24/21/39 GII    | 4008321383396 | 0.17 A          | 37.00 W                      | 0.96                         | 1350 lm                |
|              | QTi DALI 2x18 DIM        | 4050300870526 | 0.16 A          | 36.50 W                      | 0.97                         | 1350 lm                |
|              | QTi DALI 3x18 DIM        | 4008321069979 | 0.24 A          | 53.60 W                      | 0.98                         | 1350 lm                |
|              | QTi DALI 4x18 DIM        | 4008321070050 | 0.31 A          | 69.30 W                      | 0.98                         | 1350 lm                |
|              | QTP-M 1x26-42            | 4008321329134 | 0.10 A          | 19.00 W                      | 0.88 c                       | 1350 lm                |
|              | QTP-M 2x26-32            | 4008321329158 | 0.17 A          | 36.00 W                      | 0.95                         | 1350 lm                |
|              | QTP-OPTIMAL 1x18-40      | 4008321873743 | 0.10 A          | 20.00 W                      | 0.95                         | 1350 lm                |
|              | QTP-OPTIMAL 2x18-40      | 4008321873767 | 0.17 A          | 39.00 W                      | 0.95                         | 1350 lm                |
|              | QTz8 1x18                | 4008321863263 | 0.09 A          | 20.00 W                      | 0.95                         | 1350 lm                |

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| Product name | Product name ECG | EAN           | Nominal current | Nominal wattage + Power loss | Power factor $\lambda$ [PIM] | Luminous flux at 35 °C |
|--------------|------------------|---------------|-----------------|------------------------------|------------------------------|------------------------|
|              | QTz8 2x18        | 4008321863300 | 0.09 A          | 23.00 W                      | 0.95                         | 1350 lm                |
|              | QTz8 4x18        | 4008321863362 | 0.25 A          | 54.00 W                      | 0.97                         | 1350 lm                |

| Product name | Product name ECG         | EAN           | Number of lighting outlets | EEI – Energy Label |
|--------------|--------------------------|---------------|----------------------------|--------------------|
| L 18 W/865   | QT-ECO 1x18-24/220-240 S | 4050300638560 | 1                          | A2                 |
|              | QT-FIT 5/8 1x18-39       | 4008321873927 | 1                          |                    |
|              | QT-FIT 5/8 2x18-39       | 4008321873903 | 2                          |                    |
|              | QT-FIT8 1x18             | 4008321294180 | 1                          |                    |
|              | QT-FIT8 2x18             | 4008321294241 | 2                          |                    |
|              | QT-FIT8 3x18, 4x18       | 4008321294302 | 4                          |                    |
|              | QT-FIT8 3x18, 4x18       | 4008321294302 | 3                          |                    |
|              | QTi 1x14/24/21/39 GII    | 4008321383334 | 1                          |                    |
|              | QTi 2x14/24/21/39 GII    | 4008321383396 | 2                          |                    |
|              | QTi DALI 2x18 DIM        | 4050300870526 | 2                          |                    |
|              | QTi DALI 3x18 DIM        | 4008321069979 | 3                          |                    |
|              | QTi DALI 4x18 DIM        | 4008321070050 | 4                          |                    |
|              | QTP-M 1x26-42            | 4008321329134 | 1                          |                    |
|              | QTP-M 2x26-32            | 4008321329158 | 2                          |                    |
|              | QTP-OPTIMAL 1x18-40      | 4008321873743 | 1                          |                    |
|              | QTP-OPTIMAL 2x18-40      | 4008321873767 | 2                          |                    |
|              | QTz8 1x18                | 4008321863263 | 1                          |                    |
|              | QTz8 2x18                | 4008321863300 | 2                          |                    |

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| Product name | Product name ECG | EAN           | Number of lighting outlets | EEI – Energy Label |
|--------------|------------------|---------------|----------------------------|--------------------|
|              | QTz8 4x18        | 4008321863362 | 4                          |                    |