

# Product family datasheet

## OSRAM DULUX L LED HF

### Special LED lamps



- Offices, public buildings Shops Hotels, restaurants  
Industry Outdoor applications only in suitable luminaires

- Quick, simple and safe replacement Simple replacement thanks to similar design as conventional compact fluorescent lamps  
Low energy consumption Operation directly on 230 V AC mains possible



## Product family datasheet

### Technical data

| Product description                        | Electrical data |                 |                 |                     |                 |  |  |
|--|-----------------|-----------------|-----------------|---------------------|-----------------|--|--|
|  | Rated wattage   | Nominal wattage | Nominal voltage | Operating frequency | Nominal current | Claimed equiv. conventional lamp power | Max. lamp no. on circuit break. 10 A (B) |
| DULUX L LED HF 18 W/840 2G11 <sup>1)</sup> | 18.00 W         | 18.00 W         | 220...240 V     | 50/60 Hz            | 0.1 A           | 36 W                                   | 100                                      |
| DULUX L LED HF 8 W/830 2G11 <sup>1)</sup>  |                 |                 |                 | 50/60 Hz            | 38 mA           | 18 W                                   |  |
| DULUX L LED HF 8 W/840 2G11 <sup>1)</sup>  |                 |                 |                 | 50/60 Hz            | 38 mA           | 18 W                                   |  |
| DULUX L LED HF 18 W/830 2G11 <sup>1)</sup> | 18.00 W         | 18.00 W         | 220...240 V     | 50/60 Hz            | 0.1 A           | 36 W                                   | 100                                      |

  

| Product description                        | Max. lamp no. on circuit break. 16 A (B) | Photometrical data    |                     |                         |                          |                           |   |
|--|--|-----------------------|---------------------|-------------------------|--------------------------|---------------------------|---|
|  |  | Nominal luminous flux | Rated luminous flux | Rated color temperature | Color rendering index Ra | Light color (designation) | Lumen main.fact.at end of nom.life time |
| DULUX L LED HF 18 W/840 2G11 <sup>1)</sup> | 160                                      | 2300 lm               | 2300 lm             | 4000 K                  | >80                      | Cool White                | 0.70                                    |
| DULUX L LED HF 8 W/830 2G11 <sup>1)</sup>  |  |                       |                     |                         |                          | Warm White                |   |
| DULUX L LED HF 8 W/840 2G11 <sup>1)</sup>  |  |                       |                     |                         |                          | Cool White                |   |
| DULUX L LED HF 18 W/830 2G11 <sup>1)</sup> | 160                                      | 2070 lm               | 2070 lm             | 3000 K                  | >80                      | Warm White                | 0.70                                    |

  

| Product description                        | Color temperature | Standard deviation of color matching | Light technical data |               | Dimensions & weight |          |            |
|--|-------------------|--------------------------------------|----------------------|---------------|---------------------|----------|------------|
|  |                   |                                      | Beam angle           | Starting time | Overall length      | Diameter | Outer bulb |
| DULUX L LED HF 18 W/840 2G11 <sup>1)</sup> | 4000 K            | ≤6 sdc                               | 140 °                | < 0.5 s       | 413.0 mm            | 44.0 mm  | -          |
| DULUX L LED HF 8 W/830 2G11 <sup>1)</sup>  |                   |                                      | 140 °                |               | 230.00 mm           |          |            |
| DULUX L LED HF 8 W/840 2G11 <sup>1)</sup>  |                   |                                      | 140 °                |               | 230.00 mm           |          |            |
| DULUX L LED HF 18 W/830 2G11 <sup>1)</sup> | 3000 K            | ≤6 sdc                               | 140 °                | < 0.5 s       | 413.0 mm            | 44.0 mm  | -          |

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| Product description                        | Product weight | Length   | Temperatures & operating conditions | Lifespan               |                      |                            |  |
|--|----------------|----------|-------------------------------------|------------------------|----------------------|----------------------------|--|
|  |                |          | Ambient temperature range           | Nominal lamp life time | Rated lamp life time | Number of switching cycles | Lumen maintenance at end of service life |
| DULUX L LED HF 18 W/840 2G11 <sup>1)</sup> | 135.00 g       | 413.0 mm | -20...+45 °C                        | 30000 h                | 30000 h              | 200000                     | 0.70                                     |
| DULUX L LED HF 8 W/830 2G11 <sup>1)</sup>  | 82.00 g        |          | -20...+50 °C                        |                        |                      |                            | 0.7                                      |
| DULUX L LED HF 8 W/840 2G11 <sup>1)</sup>  | 82.00 g        |          | -20...+50 °C                        |                        |                      |                            | 0.7                                      |
| DULUX L LED HF 18 W/830 2G11 <sup>1)</sup> | 135.00 g       | 413.0 mm | -20...+45 °C                        | 30000 h                | 30000 h              | 200000                     | 0.70                                     |

  

| Product description                        | Additional product data     |              | Capabilities | Certificates & standards |                    |                    | Country specific categorizations |
|--|-----------------------------|--------------|--------------|--------------------------|--------------------|--------------------|----------------------------------|
|  | Base (standard designation) | Mercury-free | Dimmable     | Energy efficiency class  | Energy consumption | Type of protection | Order reference                  |
| DULUX L LED HF 18 W/840 2G11 <sup>1)</sup> | 2G11                        | Yes          | No           | E                        | 10 kWh/1000h       | IP20               | DULUX L36LED 18                  |
| DULUX L LED HF 8 W/830 2G11 <sup>1)</sup>  |                             | Yes          |              | E                        | 8.00 kWh/1000h     |                    |                                  |
| DULUX L LED HF 8 W/840 2G11 <sup>1)</sup>  |                             | Yes          |              | E                        | 8.00 kWh/1000h     |                    |                                  |
| DULUX L LED HF 18 W/830 2G11 <sup>1)</sup> | 2G11                        | Yes          | No           | E                        | 10 kWh/1000h       | IP20               | DULUX L36LED 18                  |

  

| Product description                        | Environmental information<br>Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |                               |                                  |
|--|--|-------------------------------|----------------------------------|
|  | Date of Declaration  | Primary Article Identifier    | Declaration No. in SCIP database |
| DULUX L LED HF 18 W/840 2G11 <sup>1)</sup> | 18-04-2022   | 4058075135420   4058075557833 | In work                          |
| DULUX L LED HF 8 W/830 2G11 <sup>1)</sup>  | 18-04-2022   | 4058075557390                 | In work                          |
| DULUX L LED HF 8 W/840 2G11 <sup>1)</sup>  | 18-04-2022   | 4058075557499                 | In work                          |
| DULUX L LED HF 18 W/830 2G11 <sup>1)</sup> | 18-04-2022   | 4058075135406   4058075557772 | In work                          |

<sup>1)</sup> All technical parameters apply to the entire lamp/Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value

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DULUX L LED HF 18 W/840 2G11,  
DULUX L LED HF 18 W/830 2G11

DULUX L LED HF 8 W/830 2G11,  
DULUX L LED HF 8 W/840 2G11

### Application advice

For more detailed application information and graphics please see product datasheet.

### Ecodesign regulation information:

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

## Product family datasheet

### Logistical Data

| Product code  | Product description          | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume               | Gross weight |
|---------------|------------------------------|------------------------------|--------------------------------------|----------------------|--------------|
| 4058075557833 | DULUX L LED HF 18 W/840 2G11 | Shipping carton box<br>10    | 470 mm x 243 mm x 74 mm              | 8.45 dm <sup>3</sup> | 2288.00 g    |
| 4058075557390 | DULUX L LED HF 8 W/830 2G11  | Shipping carton box<br>10    | 286 mm x 243 mm x 74 mm              | 5.14 dm <sup>3</sup> | 1448.00 g    |
| 4058075557499 | DULUX L LED HF 8 W/840 2G11  | Shipping carton box<br>10    | 286 mm x 243 mm x 74 mm              | 5.14 dm <sup>3</sup> | 1448.00 g    |
| 4058075557772 | DULUX L LED HF 18 W/830 2G11 | Shipping carton box<br>10    | 470 mm x 243 mm x 74 mm              | 8.45 dm <sup>3</sup> | 2288.00 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.

### Disclaimer

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

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