

# Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light sources

**Supplier's name or trade mark:** LED line®

**Supplier's address:** Product Menager, Dębowa 1 07-410 Tobolice Mazowieckie Rzekuń Polska

**Model identifier:** 470331

## Type of light source:

|   |       |                                 |     |
|---|-------|---------------------------------|-----|
| Lighting technology used:                           | LED   | Non-directional or directional: | DLS |
| Light source cap-type (or other electric interface) | ES111 |                                 |     |
| Mains or non-mains:                                 | MLS   | Connected light source (CLS):   | No  |
| Colour-tuneable light source:                       | No    | Envelope:                       | -   |
| High luminance light source:                        | No    |                                 |     |
| Anti-glare shield:                                  | No    | Dimmable:                       | No  |

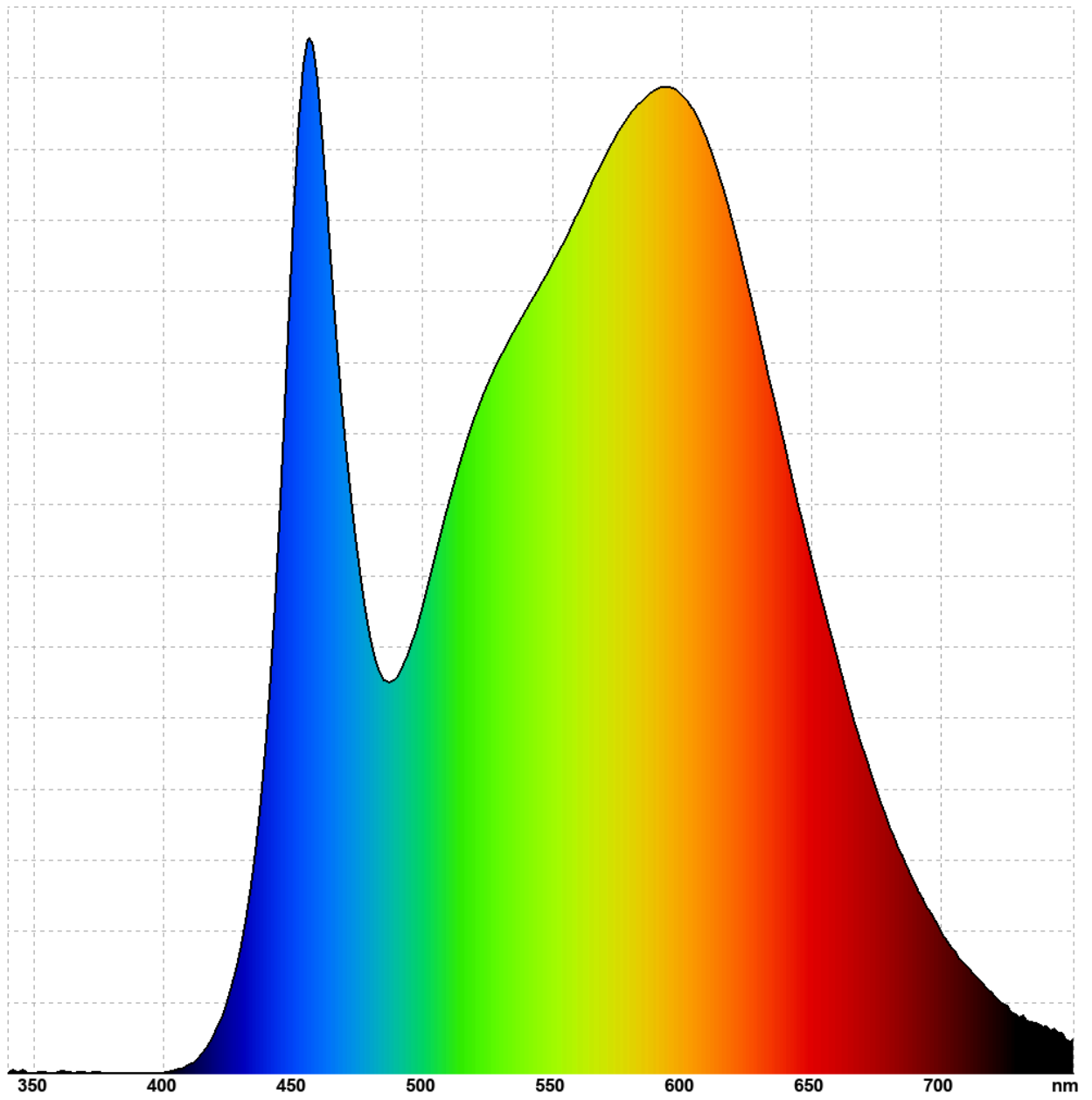
## Product parameters

| Parameter  | Value                    | Parameter  | Value   |
|--|--------------------------|--|---|
| <b>General product parameters:</b>   |                          |  |   |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer  | 12                       | Energy efficiency class  | G   |
| Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°) | 850 in Narrow cone (90°) | Correlated colour temperature, rounded to the nearest 100 K, or the range of correlated colour temperatures, rounded to the nearest 100 K, that can be set | 4 000   |
| On-mode power ( $P_{on}$ ), expressed in W   | 12,0                     | Standby power ( $P_{sb}$ ), expressed in W and rounded to the second decimal   | 0,00  |
| Networked standby power ( $P_{net}$ ) for CLS, expressed in W and rounded to the second decimal  | -                        | Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set   | 80  |
| Outer dimensions without separate control gear, lighting control   | Height                   | 111  | Spectral power distribution in the range 250 nm to 800 nm, at full-load |
|  | Width                    | 111  |   |
|  | Depth                    | 65   |   |
|  |                          |  | See image in last page  |

|   |       |  |                |
|---|-------|--|----------------|
| parts and non-lighting control parts, if any (millimetre)   |       |  |                |
| Claim of equivalent power <sup>(a)</sup>  | -     | If yes, equivalent power (W)                                       | -              |
|   |       | Chromaticity coordinates (x and y)                                 | 0,380<br>0,377 |
| <b>Parameters for directional light sources:</b>  |       |  |                |
| Peak luminous intensity (cd)  | 1 236 | Beam angle in degrees, or the range of beam angles that can be set | 45             |
| <b>Parameters for LED and OLED light sources:</b>   |       |  |                |
| R9 colour rendering index value   | 14    | Survival factor  | 0,90           |
| the lumen maintenance factor  | 0,96  |  |                |
| <b>Parameters for LED and OLED mains light sources:</b>   |       |  |                |
| displacement factor (cos $\phi_1$ )   | 0,70  | Colour consistency in McAdam ellipses                              | 6              |
| Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage. | -(b)  | If yes then replacement claim (W)                                  | -              |
| Flicker metric (Pst LM)   | 1,0   | Stroboscopic effect metric (SVM)                                   | 0,4            |

(a) '-': not applicable;

(b) '-': not applicable;



Model placed on the Union market from 01/03/2019



**EPREL registration number:** 632235

<https://eprel.ec.europa.eu/qr/632235>

**Supplier:** LEDIN GROUP SPÓŁKA Z OGRANICZONĄ ODP  
OWIEDZIALNOŚCIĄ (Manufacturer)

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