

# Product Information Sheet

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

**Supplier's name or trade mark:** TRIO Leuchten GmbH

**Supplier's address:** Master data, Gut Nierhof 17, 59757 Arnsberg NRW, DE

**Model identifier:** 990-200

## Type of light source:

|   |     |                                 |      |
|---|-----|---------------------------------|------|
| Lighting technology used:                           | LED | Non-directional or directional: | NDLS |
| Light source cap-type (or other electric interface) | E14 |                                 |      |
| Mains or non-mains:                                 | MLS | Connected light source (CLS):   | Nej  |
| Colour-tuneable light source:                       | Nej | Envelope:                       | -    |
| High luminance light source:                        | Nej |                                 |      |
| Anti-glare shield:                                  | Nej | 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  | 2                    | Energy efficiency class  | E                      |
| 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°) | 250 in Sphere (360°) | 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 | 2 700                  |
| On-mode power ( $P_{on}$ ), expressed in W   | 2,0                  | 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   | Height               | Spectral power distribution in the   | See image in last page |
|  | Width                |  |                        |
|  | Depth                |  |                        |

|   |      |                                       |                                      |  |
|---|------|---------------------------------------|--------------------------------------|--|
| separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)                       |      |                                       | range 250 nm to 800 nm, at full-load |  |
| Claim of equivalent power <sup>(a)</sup>  | Ja   | If yes, equivalent power (W)          | 25                                   |  |
|   |      | Chromaticity coordinates (x and y)    | 0,460<br>0,420                       |  |
| <b>Parameters for LED and OLED light sources:</b>   |      |                                       |                                      |  |
| R9 colour rendering index value   | 16   | Survival factor                       | 0,90                                 |  |
| the lumen maintenance factor  | 0,93 |                                       |                                      |  |
| <b>Parameters for LED and OLED mains light sources:</b>   |      |                                       |                                      |  |
| displacement factor (cos $\phi_1$ )   | 0,90 | 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)      | 0,9                                  |  |

(a): not applicable;

(b): not applicable;

相对光谱

1.0=5.511mW/nm

