

Product Information Sheet

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

Supplier's name or trade mark: Led Labs Lighting

Supplier's address: LED Labs Sp. z o.o., ul. Zakopiańska 2C, 30-418 Kraków Polska

Model identifier: TR-FL-DR-20W-NW

Type of light source:

| | | | |
|---|------|---------------------------------|-----|
| Lighting technology used: | LED | Non-directional or directional: | DLS |
| Light source cap-type (or other electric interface) | wire | | |
| 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 |
|--|---------------------------|--|---|
| General product parameters: | | | |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer | 20 | Energy efficiency class | F |
| Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°) | 1 600 in Wide cone (120°) | 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 | 20,0 | 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 | 126 | Spectral power distribution in the range 250 nm to 800 nm, at full-load |
| | Width | 110 | |
| | Depth | 26 | |
| | | | See image in last page |

| | | | |
|---|------|--|----------------|
| parts and non-lighting control parts, if any (millimetre) | | | |
| Claim of equivalent power ^(a) | - | If yes, equivalent power (W) | - |
| | | Chromaticity coordinates (x and y) | 0,380 0,380 |
| Parameters for directional light sources: | | | |
| Peak luminous intensity (cd) | 732 | Beam angle in degrees, or the range of beam angles that can be set | 110 |
| Parameters for LED and OLED light sources: | | | |
| R9 colour rendering index value | -1 | Survival factor | 0,90 |
| the lumen maintenance factor | 0,96 | | |
| Parameters for LED and OLED mains light sources: | | | |
| displacement factor (cos ϕ_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) | 0,2 | Stroboscopic effect metric (SVM) | 0,4 |

(a) '-': not applicable;

(b) '-': not applicable;

