

# Product Information Sheet

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

**Supplier's name or trade mark:** ELMARK

**Supplier's address:** ELMARK INDUSTRIES SC, bul.Dobrudja 2, 9300 Dobrich Dobrich, BG

**Model identifier:** 99LED834WW

## Type of light source:

|                                                     |     |                                 |      |
|-----------------------------------------------------|-----|---------------------------------|------|
| Lighting technology used:                           | LED | Non-directional or directional: | NDLS |
| Light source cap-type (or other electric interface) | E27 |                                 |      |
| 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                                                                  | 9                      | 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°) | 1 100 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 | 3 000                  |
| On-mode power ( $P_{on}$ ), expressed in W                                                                                                     | 8,6                    | 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                                                         | 83                     |
| Outer dimensions without separate control gear, lighting control                                                                               | Height                 | Spectral power distribution in the range 250 nm to 800 nm, at full-load                                                                                    | See image in last page |
|                                                                                                                                                | Width                  |                                                                                                                                                            |                        |
|                                                                                                                                                | Depth                  |                                                                                                                                                            |                        |

|                                                                                                                         |                    |                                       |                |  |
|-------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------------------------|----------------|--|
| parts and non-lighting control parts, if any (millimetre)                                                               |                    |                                       |                |  |
| Claim of equivalent power <sup>(a)</sup>                                                                                | Yes                | If yes, equivalent power (W)          | 70             |  |
|                                                                                                                         |                    | Chromaticity coordinates (x and y)    | 0,447<br>0,412 |  |
| <b>Parameters for LED and OLED light sources:</b>                                                                       |                    |                                       |                |  |
| R9 colour rendering index value                                                                                         | 8                  | Survival factor                       | 0,50           |  |
| the lumen maintenance factor                                                                                            | 0,95               |                                       |                |  |
| <b>Parameters for LED and OLED mains light sources:</b>                                                                 |                    |                                       |                |  |
| displacement factor (cos $\phi_1$ )                                                                                     | 0,60               | Colour consistency in McAdam ellipses | 4              |  |
| Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage. | Yes <sup>(b)</sup> | If yes then replacement claim (W)     | 70             |  |
| Flicker metric (Pst LM)                                                                                                 | 0,2                | Stroboscopic effect metric (SVM)      | 0,2            |  |

(a) : not applicable;

(b) : not applicable;

