

# Product Information Sheet

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

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

**Supplier's address:** TWINSTAR, 492-11, Cheonggang-ri, Gijang-eup, Gijang-gun, Busan, Republic of Korea

**Model identifier:** TWINSTAR LIGHT III 900EC

## Type of light source:

|   |     |                                 |     |
|---|-----|---------------------------------|-----|
| Lighting technology used:                           | LED | Non-directional or directional: | DLS |
| Light source cap-type (or other electric interface) | -   |                                 |     |
| 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:                       | Yes |

## Product parameters

| Parameter | Value | Parameter | Value |
|-----------|-------|-----------|-------|
|-----------|-------|-----------|-------|

### General product parameters:

|  |                           |  |                        |
|--|---------------------------|--|------------------------|
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer  | 60                        | 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°) | 3 750 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 | 8 528                  |
| On-mode power ( $P_{on}$ ), expressed in W   | 59,7                      | 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   | 92                     |
| Outer dimensions   | Height                    | Spectral power distribution in the   | See image in last page |
|  | Width                     |  |                        |
|  |                           |  | 900                    |

|   |       |       |  |       |
|---|-------|-------|--|-------|
| without separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)               | Depth | 117   | range 250 nm to 800 nm, at full-load                               |       |
| Claim of equivalent power <sup>(a)</sup>  |       | -     | If yes, equivalent power (W)                                       | -     |
|   |       |       | Chromaticity coordinates (x and y)                                 | 0,293 |
| <b>Parameters for directional light sources:</b>  |       |       |  |       |
| Peak luminous intensity (cd)  |       | 3 750 | Beam angle in degrees, or the range of beam angles that can be set | 120   |
| <b>Parameters for LED and OLED light sources:</b>   |       |       |  |       |
| R9 colour rendering index value   |       | 90    | Survival factor  | 1,00  |
| the lumen maintenance factor  |       | 0,90  |  |       |
| <b>Parameters for LED and OLED mains light sources:</b>   |       |       |  |       |
| displacement factor (cos $\phi_1$ )   |       | 0,95  | Colour consistency in McAdam ellipses                              | 1     |
| 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;

