

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 900EA

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 (ϕ_{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 | | |

| | | | | |
|---|-------|-------|--|----------------|
| 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 ^(a) | | - | If yes, equivalent power (W) | - |
| | | | Chromaticity coordinates (x and y) | 0,293 0,289 |
| Parameters for directional light sources: | | | | |
| Peak luminous intensity (cd) | | 3 750 | Beam angle in degrees, or the range of beam angles that can be set | 120 |
| Parameters for LED and OLED light sources: | | | | |
| R9 colour rendering index value | | 90 | Survival factor | 1,00 |
| the lumen maintenance factor | | 0,90 | | |
| Parameters for LED and OLED mains light sources: | | | | |
| displacement factor (cos ϕ_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;

