

Product Information Sheet

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

Supplier's name or trade mark: STELLAR

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

Model identifier: 99XLED636E

Type of light source:

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

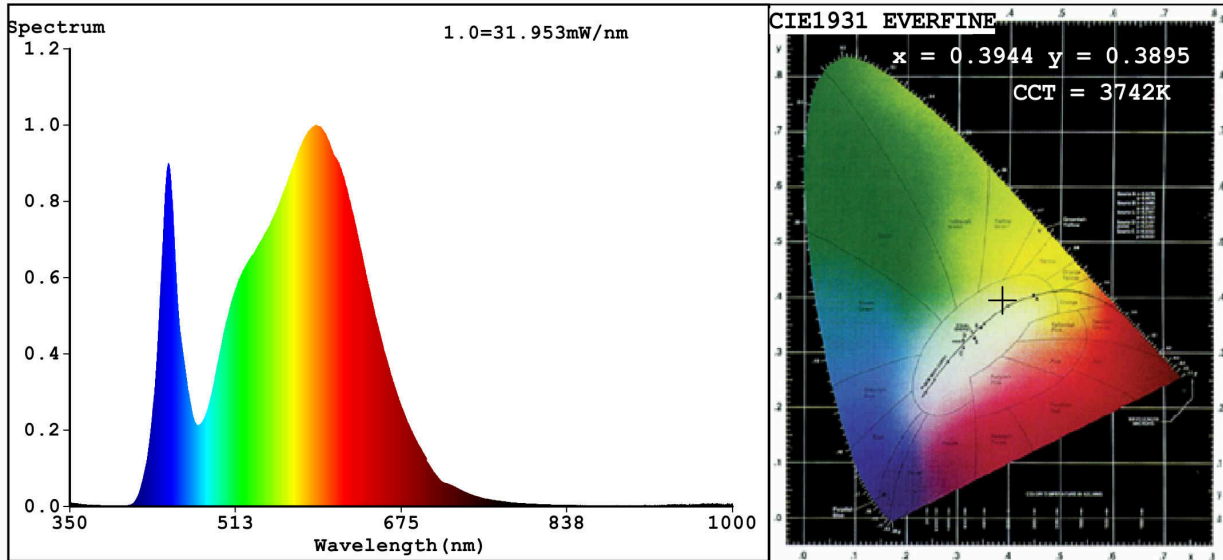
| Parameter | Value | Parameter | Value |
|--|---------------------------|--|------------------------|
| General product parameters: | | | |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer | 24 | Energy efficiency class | F |
| Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°) | 1 800 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 | 24,5 | 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 ^(a) | - | | If yes, equivalent power (W) | - |
| | | | Chromaticity coordinates (x and y) | 0,394 0,389 |
| Parameters for directional light sources: | | | | |
| Peak luminous intensity (cd) | 592 | | 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 | 0 | | Survival factor | 0,50 |
| the lumen maintenance factor | 0,93 | | | |
| Parameters for LED and OLED mains light sources: | | | | |
| displacement factor (cos ϕ_1) | 0,50 | | Colour consistency in McAdam ellipses | 5 |
| 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) | 0,0 | | Stroboscopic effect metric (SVM) | 0,0 |

(a) '-': not applicable;

(b) '-': not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3944$ $y=0.3895$ / $u'=0.2291$ $v'=0.5091$
 CCT=3742K (Duv=0.0021) Dominant WL: $L_d = 579.1\text{nm}$ WL: $L_c = \text{--nm}$ Purity=35.3%
 Ratio: R=18.6% G=78.4% B=3.0% ; Peak WL: $L_p = 592.1\text{nm}$ FWHM=144.6nm
 Render Index: $R_a = 80.4$

R1 =78 R2 =86 R3 =94 R4 =80 R5 =78 R6 =82 R7 =85
 R8 =60 R9 =0 R10=69 R11=79 R12=63 R13=79 R14=97 R15=71

Photo Parameters:

Flux = 1771 lm Eff. : 72.06 lm/W $F_e = 5.277$ W

Electrical parameters:

V = 219.96 V I = 0.2194 A P = 24.58 W PF = 0.5094

WHITE:ANSI_4000K

Status: Integral T = 23 ms $I_p = 36942$ (56%)

Model:LED PANEL SQUARE
 Tester:Atanas DAKOV
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99XLED636
 Date:2020-10-06 13:01:04
 Humidity:65.0%
 Remarks:7060