

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: 99LED101S

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: | Yes |

Product parameters

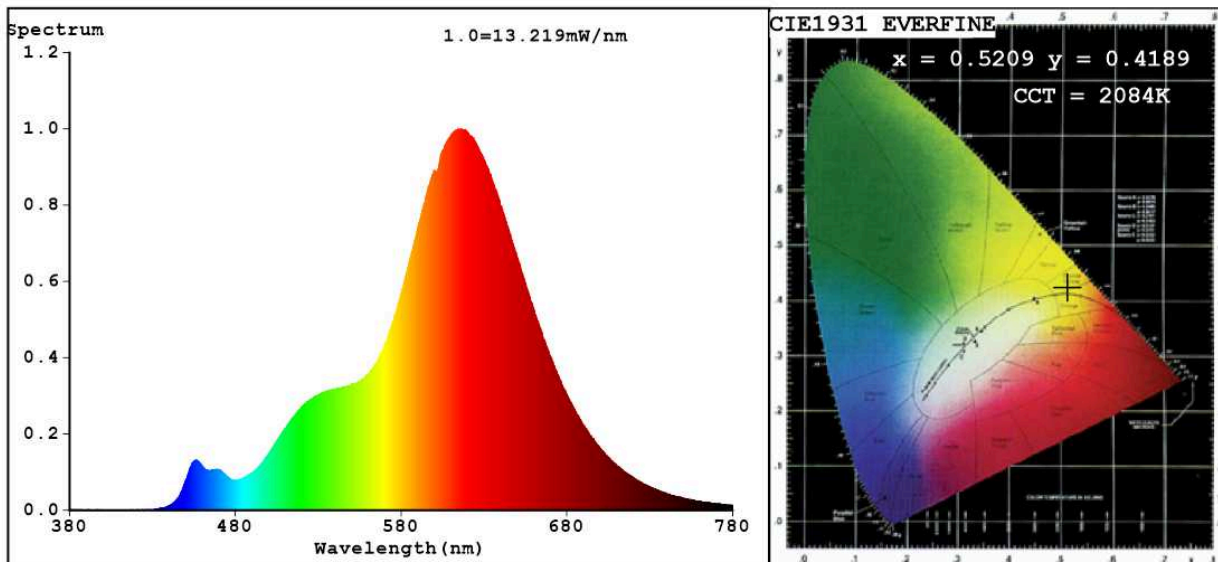
| Parameter | Value | Parameter | Value |
|--|----------------------|--|--|
| General product parameters: | | | |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer | 8 | Energy efficiency class | G |
| Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°) | 500 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 | 2 000 |
| On-mode power (P_{on}), expressed in W | 7,7 | 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 | 86 |
| Outer dimensions without | Height | 300 | Spectral power distribution in the See image in last page |
| | Width | 200 | |
| | Depth | 200 | |

| | | | | |
|---|--------------------|---------------------------------------|--------------------------------------|--|
| 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) | Yes | If yes, equivalent power (W) | 45 | |
| | | Chromaticity coordinates (x and y) | 0,520 0,418 | |
| Parameters for LED and OLED light sources: | | | | |
| R9 colour rendering index value | 17 | Survival factor | 0,50 | |
| the lumen maintenance factor | 0,93 | | | |
| Parameters for LED and OLED mains light sources: | | | | |
| displacement factor (cos ϕ_1) | 0,80 | Colour consistency in McAdam ellipses | 0 | |
| Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage. | Yes ^(b) | If yes then replacement claim (W) | 40 | |
| 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: $x=0.5209$ $y=0.4189$ / $u'=0.2983$ $v'=0.5398$

CCT=2084K (Duv=0.0014) Dominant WL: $\lambda_d = 587.8\text{nm}$ Purity=82.1%

Ratio: R=33.3% G=65.3% B=1.4%; Peak WL: $\lambda_p = 614.6\text{nm}$ FWHM=86.5nm

Render Index: Ra=86.1

R1 =88 R2 =97 R3 =92 R4 =89 R5 =90 R6 =94 R7 =80
R8 =58 R9 =17 R10=94 R11=96 R12=90 R13=91 R14=97 R15=76

Photo Parameters:

Flux = 455.0 lm Eff. : 58.83 lm/W $P_e = 1.507$ W

Electrical parameters:

V = 229.97 V I = 0.03830 A P = 7.734 W PF = 0.8782

WHITE:OUT

Status: Integral T = 67 ms $I_p = 54471$ (83%)

Model: VINTAGE LAMP/8W
Tester: Petya Marinova
Temperature: 25.3Deg
Manufacturer: ELMARK

Number: 99LED101G
Date: 2019-03-21 11:26
Humidity: 65.0%
Remarks: SH18BG-JC_ELM03_5480