

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: 99LED854CW

Type of light source:

| | | | |
|---|-----------------|---------------------------------|------|
| Lighting technology used: | LED | Non-directional or directional: | NDLS |
| Light source cap-type (or other electric interface) | Lamp holder E27 | | |
| Mains or non-mains: | MLS | Connected light source (CLS): | No |
| Colour-tuneable light source: | No | Envelope: | - |
| High luminance light source: | Yes | | |
| Anti-glare shield: | No | Dimmable: | No |

Product parameters

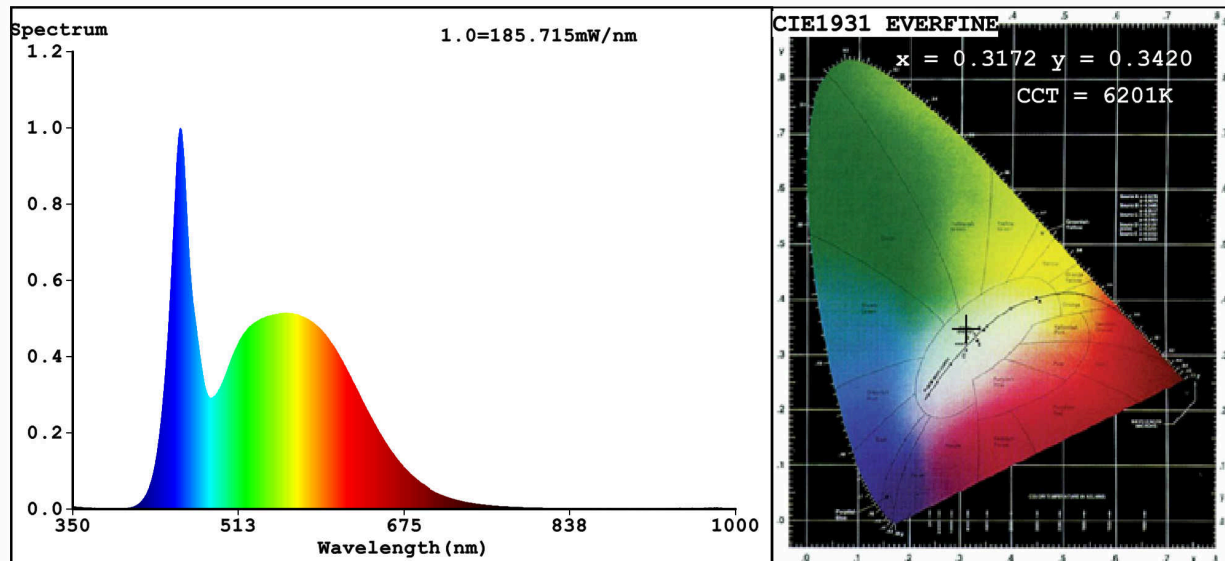
| Parameter | Value | Parameter | Value |
|--|------------------------|--|------------------------|
| General product parameters: | | | |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer | 60 | Energy efficiency class | F |
| Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°) | 5 400 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 | 6 000 |
| On-mode power (P_{on}), expressed in W | 60,0 | 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 | 82 |
| 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) | Yes | If yes, equivalent power (W) | 600 | |
| | | Chromaticity coordinates (x and y) | 0,317 0,342 | |
| Parameters for LED and OLED light sources: | | | | |
| R9 colour rendering index value | 4 | Survival factor | 0,40 | |
| the lumen maintenance factor | 0,90 | | | |
| Parameters for LED and OLED mains light sources: | | | | |
| displacement factor (cos ϕ_1) | 0,90 | Colour consistency in McAdam ellipses | 4 | |
| 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: $x=0.3172$ $y=0.3420$ $u'=0.1961$ $v'=0.4758$
 CCT=6201K (Duv=0.0076) Dominant WL: $\lambda_d = 498.7\text{nm}$ WL: $\lambda_c = \text{--nm}$ Purity=5.0%
 Ratio: R=13.4% G=80.7% B=5.9% ; Peak WL: $\lambda_p = 455.7\text{nm}$ FWHM=25.5nm
 Render Index: $R_a = 82.8$

| | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|
| R1 =80 | R2 =90 | R3 =94 | R4 =79 | R5 =80 | R6 =85 | R7 =87 |
| R8 =67 | R9 =4 | R10=74 | R11=78 | R12=57 | R13=83 | R14=97 |
| | | | | | | R15=75 |

Photo Parameters:

Flux = 6211 lm Eff. : 109.86 lm/W $\Phi_e = 19.82\text{ W}$

Electrical parameters:

V = 219.84 V I = 0.2630 A P = 56.54 W PF = 0.9777
 WHITE: ANSI_6500K

Status: Integral T = 5 ms $I_p = 43558$ (66%)

Model: HIGH POWER LED LAMP
 Tester: Atanas DAKOV
 Temperature: 25.3Deg
 Manufacturer: ELMARK

Number: 99LED854CW2
 Date: 2020-07-14 16:24:41
 Humidity: 65.0%
 Remarks: 6831