

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: 99LED866

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: | NMLS | Connected light source (CLS): | No |
| Colour-tuneable light source: | No | Envelope: | - |
| High luminance light source: | No | | |
| Anti-glare shield: | No | Dimmable: | No |

Product parameters

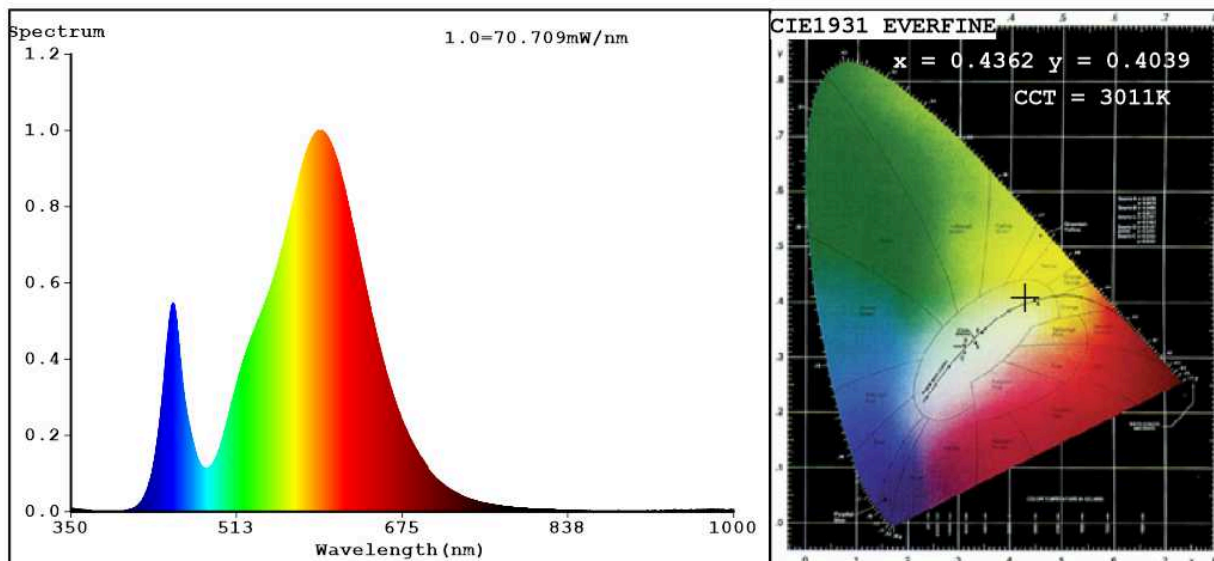
| Parameter | Value | Parameter | Value |
|--|---------------------------|--|------------------------|
| General product parameters: | | | |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer | 14 | Energy efficiency class | G |
| Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°) | 3 000 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 | 3 000 |
| On-mode power (P_{on}), expressed in W | 47,0 | 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 | 72 |
| Outer dimensions without separate control gear, lighting control | Height | Spectral power distribution in the range 250 nm to 800 nm, at full-load | See image in last page |
| | Width | | |
| | Depth | | |

| | | | | |
|---|------|--|----------------|--|
| parts and non-lighting control parts, if any (millimetre) | | | | |
| Claim of equivalent power ^(a) | - | If yes, equivalent power (W) | - | |
| | | Chromaticity coordinates (x and y) | 0,436 0,403 | |
| Parameters for directional light sources: | | | | |
| Peak luminous intensity (cd) | 596 | 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 | | | |

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4362$ $y=0.4039$ $u'=0.2502$ $v'=0.5212$
 CCT=3011K (Duv=0.0000) Dominant WL: $L_d = 582.8\text{nm}$ WL: $L_c = \text{--nm}$ Purity=52.2%
 Ratio: R=21.2% G=76.9% B=1.9% Peak WL: $L_p = 596.5\text{nm}$ FWHM=113.1nm
 Render Index: $R_a = 72.5$

| | | | | | | |
|---------|---------|----------|----------|----------|----------|----------|
| R1 = 69 | R2 = 83 | R3 = 94 | R4 = 68 | R5 = 68 | R6 = 76 | R7 = 78 |
| R8 = 44 | R9 = 0 | R10 = 61 | R11 = 63 | R12 = 51 | R13 = 71 | R14 = 97 |
| | | | | | | R15 = 61 |

Photo Parameters:

Flux = 3385 lm Eff. : 72.01 lm/W $P_e = 9.722\text{ W}$

Electrical parameters:

$V = 24.159\text{ V}$ $I = 1.946\text{ A}$ $P = 47.01\text{ W}$ PF = 1.000
 WHITE: ANSI_3000K

Status: Integral T = 12 ms $I_p = 46482$ (71%)

Model: LED 300/14.4W/m
 Tester: Petya Marinova
 Temperature: 25.3Deg
 Manufacturer: ELMARK

Number: 99LED866
 Date: 2019-09-04 11:02:37
 Humidity: 65.0%
 Remarks: 019V013A_5952