

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: 93MTL0530/BL

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

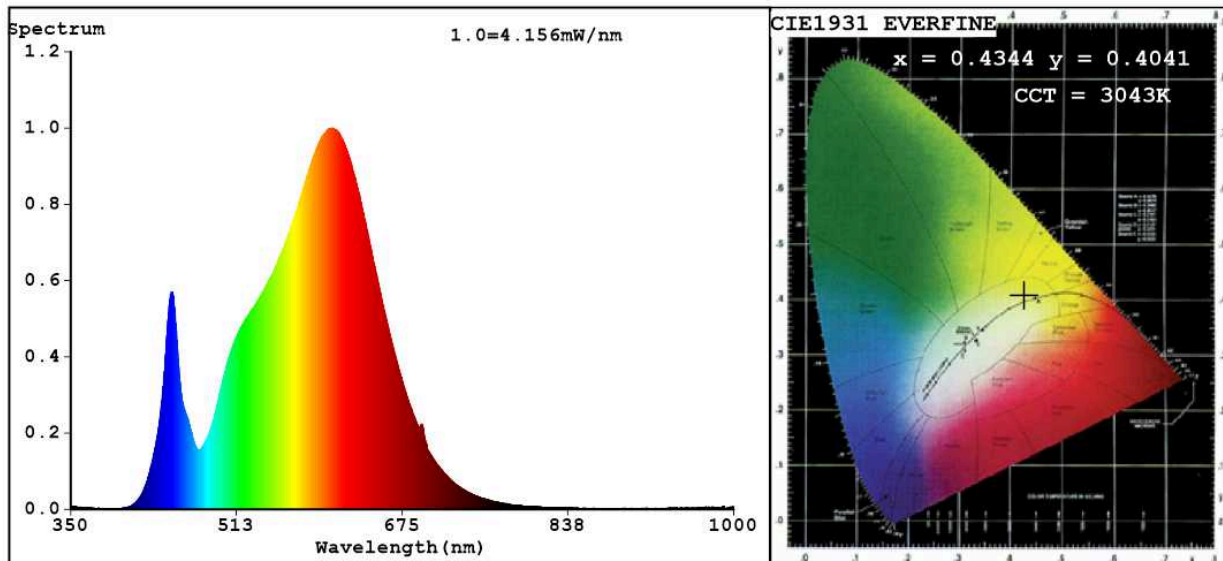
| Parameter | Value | Parameter | Value |
|--|--------------------------|--|------------------------|
| General product parameters: | | | |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer | 5 | Energy efficiency class | G |
| Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°) | 200 in Narrow cone (90°) | 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 | 10,0 | 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 | 84 |
| 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) | 0,434 0,404 |
| Parameters for directional light sources: | | | | |
| Peak luminous intensity (cd) | 606 | | Beam angle in degrees, or the range of beam angles that can be set | 38 |
| Parameters for LED and OLED light sources: | | | | |
| R9 colour rendering index value | 15 | | Survival factor | 0,50 |
| the lumen maintenance factor | 0,93 | | | |

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4344$ $y=0.4041$ $u'=0.2489$ $v'=0.5210$
 CCT=3043K (Duv=0.0003) Dominant WL: $L_d = 582.5\text{nm}$ WL: $L_c = \text{--nm}$ Purity=51.7%
 Ratio: R=22.9% G=74.7% B=2.4% Peak WL: $L_p = 606.5\text{nm}$ FWHM=137.5nm
 Render Index: $R_a = 84.3$ AvgR=79.0 TM30: $R_f = 85$ $R_g = 97$ $L_{av} = 589.5\text{nm}$

| | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|
| R1 =83 | R2 =91 | R3 =97 | R4 =84 | R5 =83 | R6 =89 | R7 =85 |
| R8 =63 | R9 =15 | R10=79 | R11=84 | R12=73 | R13=85 | R14=98 |
| | | | | | | R15=76 |

Photo Parameters:

Flux = 206.8 lm Eff. : 19.89 lm/W $F_e = 637.3$ mW

Electrical parameters:

V = 225.23 V I = 0.2146 A P = 10.40 W PF = 0.2151

WHITE: ANSI_3000K

Status: Integral T = 225 ms $I_p = 41793$ (64%)

Model: led light
 Tester: Atanas DAKOV
 Temperature: 25.3Deg
 Manufacturer: ELMARK

Number: 93MTL0530 BL
 Date: 2021-11-18 09:11:13
 Humidity: 65.0%
 Remarks: 7876