

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: 99SM1504050/WH

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

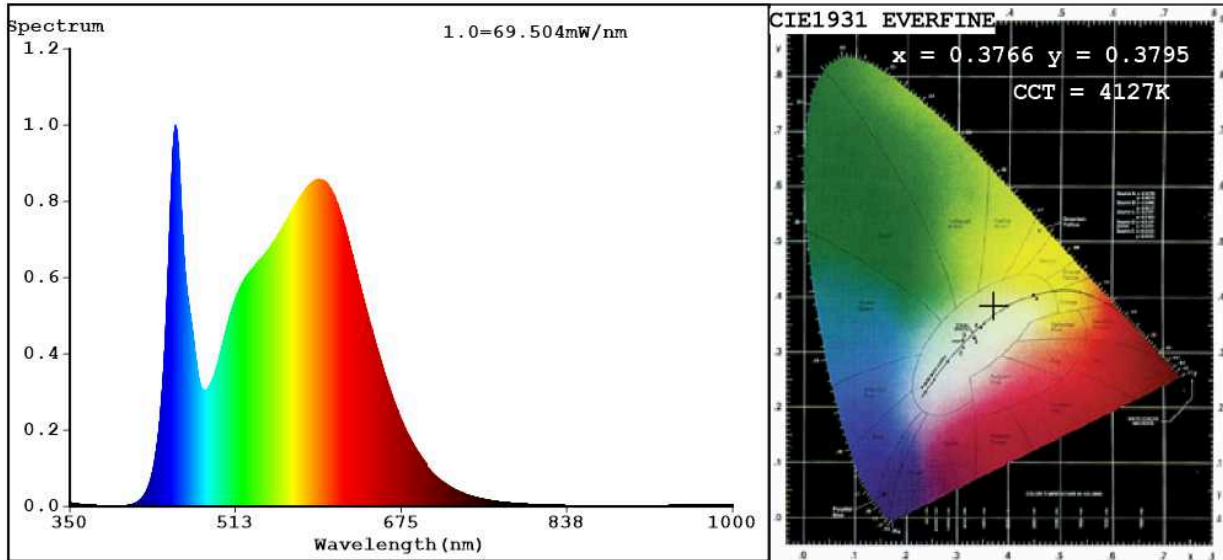
| Parameter | Value | Parameter | Value | |
|--|----------------------------|--|------------------------|-------|
| General product parameters: | | | | |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer | 50 | Energy efficiency class | G | |
| Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°) | 3 500 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 | 4 000 | |
| On-mode power (P_{on}), expressed in W | 47,3 | 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 | 83 | |
| Outer dimensions without | Height | Spectral power distribution in the | See image in last page | |
| | Width | | | 1 500 |
| | Depth | | | 70 |
| | | | 48 | |

| | | | | |
|---|------|--|--------------------------------------|--|
| 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) | 0,376 0,379 | |
| Parameters for directional light sources: | | | | |
| Peak luminous intensity (cd) | 453 | Beam angle in degrees, or the range of beam angles that can be set | 90 | |
| Parameters for LED and OLED light sources: | | | | |
| R9 colour rendering index value | 8 | Survival factor | 0,50 | |
| the lumen maintenance factor | 0,93 | | | |
| Parameters for LED and OLED mains light sources: | | | | |
| displacement factor (cos ϕ_1) | 0,70 | 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: $x=0.3766$ $y=0.3795$ / $u'=0.2215$ $v'=0.5022$
 CCT=4127K (Duv=0.0025) Dominant WL: $L_d = 577.2nm$ WL: $L_c = --nm$ Purity=26.9%
 Ratio: R=17.9% G=78.1% B=4.0% ; Peak WL: $L_p = 453.7nm$ FWHM=23.7nm
 Render Index: $R_a = 83.5$ AvgR=76.8 TM30: $R_f = 84$ $R_g = 93$ $L_{av} = 567.8nm$

R1 =82 R2 =91 R3 =96 R4 =81 R5 =82 R6 =87 R7 =86
 R8 =64 R9 =8 R10=78 R11=80 R12=60 R13=84 R14=98 R15=75

Photo Parameters:

Flux = 3475 lm Eff. : 73.46 lm/W $F_e = 10.55 W$

Electrical parameters:

V = 225.12 V I = 0.2810 A P = 47.30 W PF = 0.7477

WHITE:ANSI_4000K

Status: Integral T = 16 ms $I_p = 43119 (66\%)$

Model:LED INDOOR LIGHTING
 Tester:Atanas DAKOV
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number: 99SM1504050 BL
 Date:2021-12-23 10:04:17
 Humidity:65.0%
 Remarks: