# 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:** 98SIRIUS150SMD

**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**

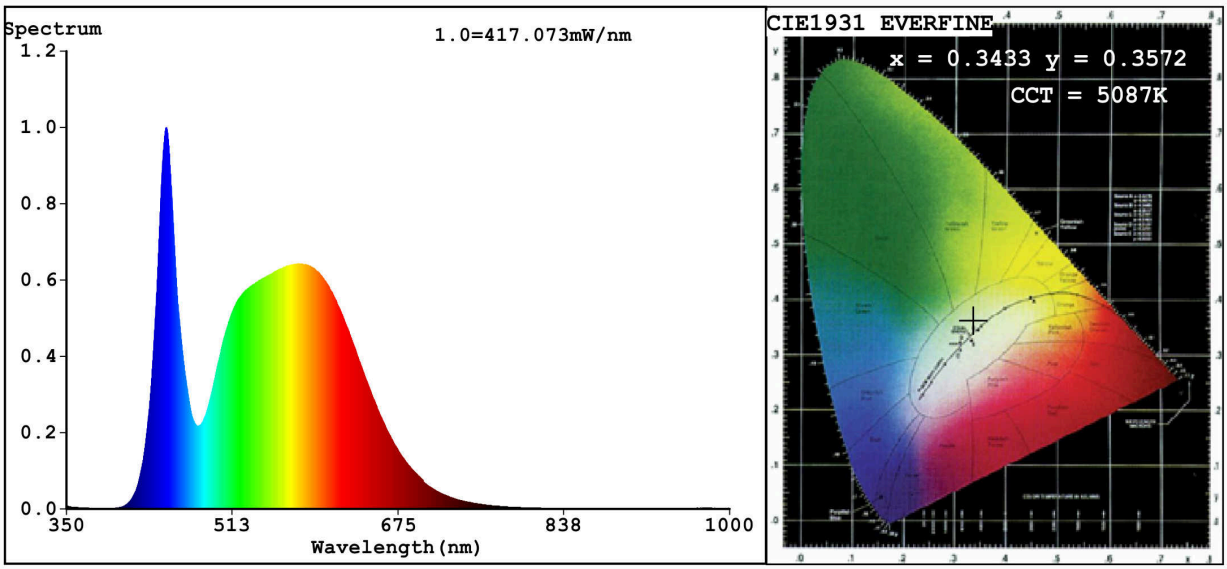
| Parameter | Value | Parameter | Value |
|---|---|---|---|
| **General product parameters:** | | | |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer | 150 | Energy efficiency class | E |
| Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º) | 17 000 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 | 5 000 |
| On-mode power ($P_{on}$), expressed in W | 160,0 | 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 | 81 |
| Outer dimensions without — Height | 310 | Spectral power distribution in the | See image in last page |
| Outer dimensions without — Width | 430 | | |
| Outer dimensions without — Depth | 80 | | |

| | | | | |
|---|---|---|---|---|
| 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) | 0,343<br>0,357 |
| **Parameters for directional light sources:** | | | | |
| Peak luminous intensity (cd) | | 447 | Beam angle in degrees, or the range of beam angles that can be set | 110 |
| **Parameters for LED and OLED light sources:** | | | | |
| R9 colour rendering index value | | 3 | Survival factor | 0,50 |
| the lumen maintenance factor | | 0,93 | | |
| **Parameters for LED and OLED mains light sources:** | | | | |
| displacement factor (cos ϕ1) | | 0,90 | Colour consistency in McAdam ellipses | 0 |
| 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=0.3433 y=0.3572/u'=0.2080 v'=0.4871

CCT=5087K(Duv=0.0035) Dominant WL:Ld =568.1nm WL:Lc = --nm Purity=10.2%

Ratio:R=15.3% G=80.6% B=4.2%¡¡Peak WL:Lp=447.9nm FWHM=23.5nm

Render Index:Ra=81.4

| | | | | | | |
|---|---|---|---|---|---|---|
| R1 =80 | R2 =85 | R3 =89 | R4 =83 | R5 =81 | R6 =81 | R7 =86 |
| R8 =67 | R9 =3 | R10=65 | R11=83 | R12=62 | R13=80 | R14=94 | R15=74 |

## Photo Parameters:

Flux = 17198 lm Eff. : 107.16 lm/W Fe = 53.31 W

## Electrical parameters:

V = 219.64 V I = 0.7363 A P = 160.5 W PF = 0.9923

WHITE:ANSI_5000K

Status: Integral T = 3 ms Ip = 56110 (86%)

| | |
|---|---|
| Model:LED FLOODLIGHT | Number:98SIRIUS150SMD |
| Tester:Atanas DAKOV | Date:2020-06-17 13:48:44 |
| Temperature:25.3Deg | Humidity:65.0% |
| Manufacturer:ELMARK | Remarks:6603 |