

# 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:** 99LED903

**Type of light source:**

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

## Product parameters

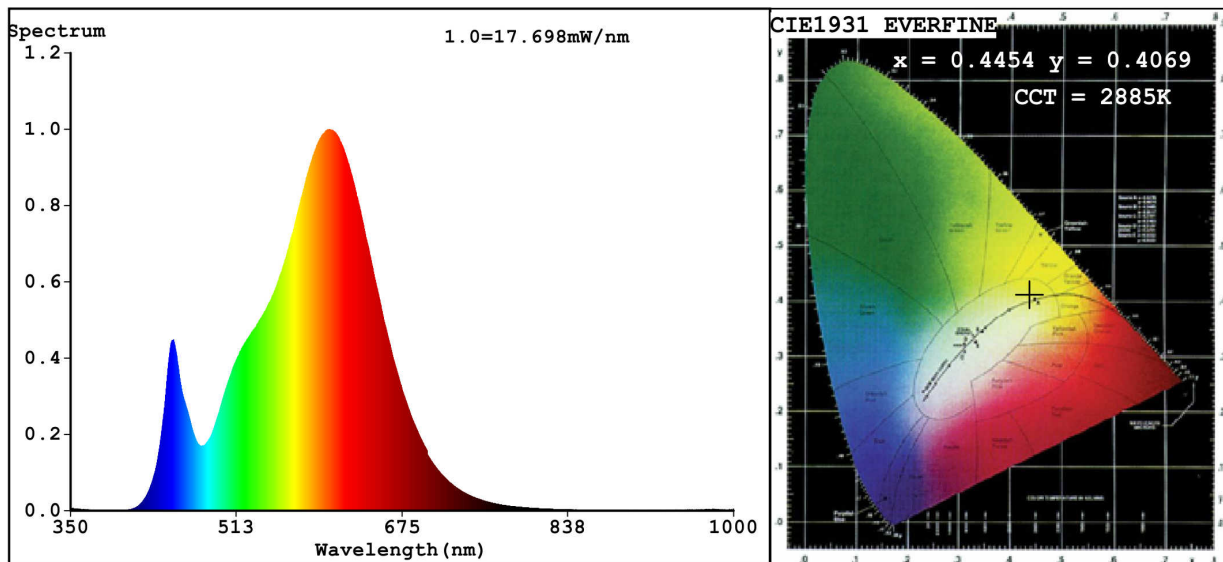
| Parameter                                                                                                                                      | Value                | Parameter                                                                                                                                                  | Value                  |
|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| <b>General product parameters:</b>                                                                                                             |                      |                                                                                                                                                            |                        |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer                                                                  | 9                    | Energy efficiency class                                                                                                                                    | F                      |
| Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°) | 930 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 | 3 000                  |
| On-mode power ( $P_{on}$ ), expressed in W                                                                                                     | 10,2                 | 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 <sup>(a)</sup>                                                                                | Yes                | If yes, equivalent power (W)          | 64                                   |  |
|                                                                                                                         |                    | Chromaticity coordinates (x and y)    | 0,445<br>0,406                       |  |
| <b>Parameters for LED and OLED light sources:</b>                                                                       |                    |                                       |                                      |  |
| R9 colour rendering index value                                                                                         | 5                  | Survival factor                       | 0,90                                 |  |
| the lumen maintenance factor                                                                                            | 0,93               |                                       |                                      |  |
| <b>Parameters for LED and OLED mains light sources:</b>                                                                 |                    |                                       |                                      |  |
| displacement factor (cos $\phi_1$ )                                                                                     | 0,20               | Colour consistency in McAdam ellipses | 6                                    |  |
| Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage. | Yes <sup>(b)</sup> | If yes then replacement claim (W)     | 60                                   |  |
| Flicker metric (Pst LM)                                                                                                 | 0,6                | Stroboscopic effect metric (SVM)      | 0,4                                  |  |

(a) : not applicable;

(b) : not applicable;

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.4454$   $y=0.4069$   $u'=0.2548$   $v'=0.5238$   
 CCT=2885K (Duv=0.0000) Dominant WL:Ld =583.3nm WL:Lc = --nm Purity=55.8%  
 Ratio:R=23.6% G=74.0% B=2.4%; Peak WL:Lp=604.4nm FWHM=121.9nm  
 Render Index:Ra=82.1 AvgR=76.5 TM30:Rf=84 Rg=96 Lav=591.8nm

Eff (PPF)=1.17350

|        |        |        |        |        |        |               |
|--------|--------|--------|--------|--------|--------|---------------|
| R1 =80 | R2 =91 | R3 =96 | R4 =80 | R5 =81 | R6 =89 | R7 =82        |
| R8 =57 | R9 =5  | R10=79 | R11=80 | R12=73 | R13=83 | R14=99 R15=73 |

### Photo Parameters:

Flux = 843.0 lm Eff. : 82.30 lm/W Fe = 2.572 W

### Electrical parameters:

V = 220.00 V I = 0.1938 A P = 10.24 W PF = 0.2403  
 LEVEL:OUT WHITE:ANSI\_3000K

Status: Integral T = 62 ms Ip = 46869 (72%)

Model:LED STISK T37  
 Tester:Atanas DAKOV  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:99LED903  
 Date:2021-06-01 13:23:12  
 Humidity:65.0%  
 Remarks:7594