

# 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:** 99LED728

**Type of light source:**

|   |      |                                 |     |
|---|------|---------------------------------|-----|
| Lighting technology used:                           | LED  | Non-directional or directional: | DLS |
| Light source cap-type (or other electric interface) | GU10 |                                 |     |
| 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

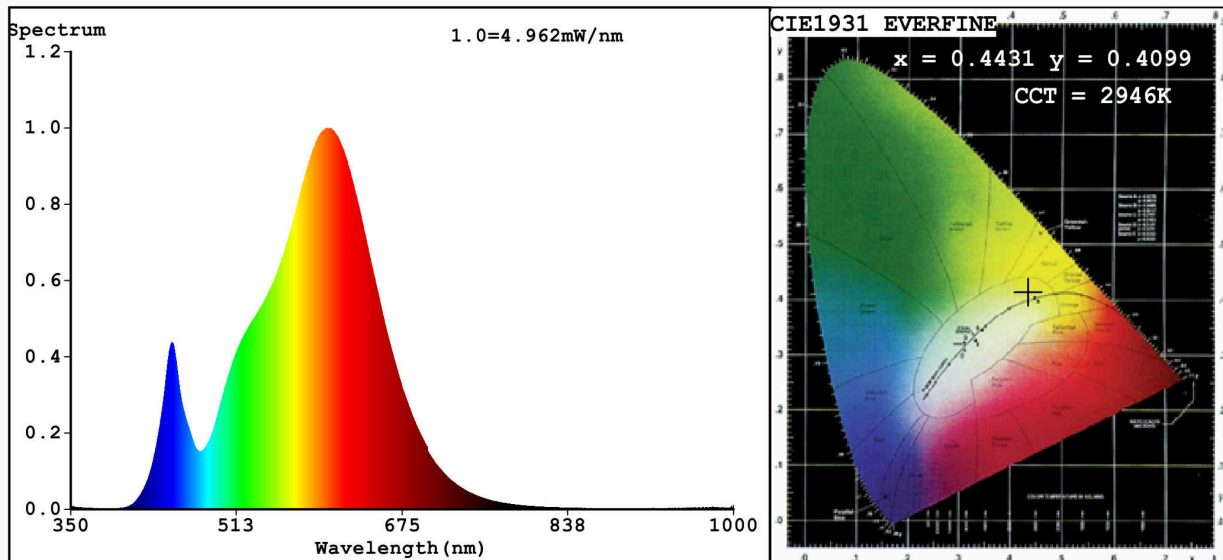
| Parameter  | Value                   | Parameter  | Value                  |
|--|-------------------------|--|------------------------|
| <b>General product parameters:</b>   |                         |  |                        |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer  | 3                       | 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°) | 270 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 | 2 700                  |
| On-mode power ( $P_{on}$ ), expressed in W   | 3,0                     | 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                  | 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)                                       | 25                                   |  |
|   |                    | Chromaticity coordinates (x and y)                                 | 0,440<br>0,403                       |  |
| <b>Parameters for directional light sources:</b>  |                    |  |                                      |  |
| Peak luminous intensity (cd)  | 593                | Beam angle in degrees, or the range of beam angles that can be set | 120                                  |  |
| <b>Parameters for LED and OLED light sources:</b>   |                    |  |                                      |  |
| R9 colour rendering index value   | 4                  | Survival factor  | 0,90                                 |  |
| the lumen maintenance factor  | 0,93               |  |                                      |  |
| <b>Parameters for LED and OLED mains light sources:</b>   |                    |  |                                      |  |
| displacement factor (cos $\phi_1$ )   | 0,10               | 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)                                  | 24                                   |  |
| 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:  $x=0.4431$   $y=0.4099$   $u'=0.2520$   $v'=0.5245$   
 CCT=2946K (Duv=0.0015) Dominant WL:  $\lambda_d = 582.6\text{nm}$  WL:  $\lambda_c = \text{--nm}$  Purity=56.0%  
 Ratio: R=22.9% G=74.8% B=2.2%; Peak WL:  $\lambda_p = 604.5\text{nm}$  FWHM=127.5nm  
 Render Index:  $R_a = 81.4$

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| R1 =79 | R2 =89 | R3 =97 | R4 =80 | R5 =79 | R6 =87 | R7 =83 |
| R8 =57 | R9 =2  | R10=75 | R11=79 | R12=70 | R13=81 | R14=99 |
|        |        |        |        |        |        | R15=71 |

### Photo Parameters:

Flux = 241.4 lm    Eff. : 44.12 lm/W     $P_e = 732.5$  mW

### Electrical parameters:

V = 220.15 V    I = 0.1858 A    P = 5.472 W PF = 0.1338

WHITE: ANSI\_3000K

Status: Integral T = 216 ms     $I_p = 51131$  (78%)

Model: LED SMD2835  
 Tester: Atanas DAKOV  
 Temperature: 25.3Deg  
 Manufacturer: ELMARK

Number: 99LED728  
 Date: 2021-04-29 08:15:57  
 Humidity: 65.0%  
 Remarks: 7377