

# 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:** 99LED971CW

## 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):   | Yes |
| Colour-tuneable light source:                       | No             | Envelope:                       | -   |
| High luminance light source:                        | Yes            |                                 |     |
| Anti-glare shield:                                  | No             | Dimmable:                       | No  |

## Product parameters

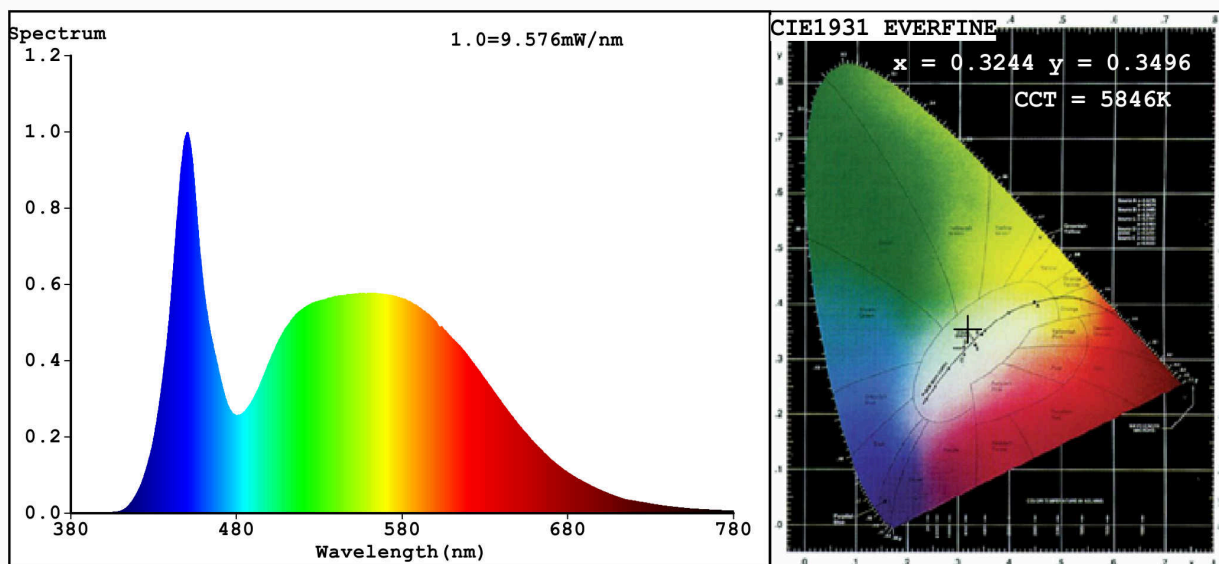
| Parameter  | Value                   | Parameter  | Value                  |
|--|-------------------------|--|------------------------|
| <b>General product parameters:</b>   |                         |  |                        |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer  | 6                       | Energy efficiency class  | G                      |
| 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°) | 350 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 | 6 000                  |
| On-mode power ( $P_{on}$ ), expressed in W   | 7,0                     | Standby power ( $P_{sb}$ ), expressed in W and rounded to the second decimal   | 0,20                   |
| Networked standby power ( $P_{net}$ ) for CLS, expressed in W and rounded to the second decimal  | 0,20                    | Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set   | 81                     |
| Outer dimensions without separate control gear, lighting control   | Height                  | Spectral power distribution in the range 250 nm to 800 nm, at full-load  | See image in last page |
|  | Width                   |  |                        |
|  | Depth                   |  |                        |

|   |      |  |                |  |
|---|------|--|----------------|--|
| parts and non-lighting control parts, if any (millimetre)   |      |  |                |  |
| Claim of equivalent power <sup>(a)</sup>  | -    | If yes, equivalent power (W)                                       | -              |  |
|   |      | Chromaticity coordinates (x and y)                                 | 0,324<br>0,349 |  |
| <b>Parameters for directional light sources:</b>  |      |  |                |  |
| Peak luminous intensity (cd)  | 123  | Beam angle in degrees, or the range of beam angles that can be set | 113            |  |
| <b>Parameters for LED and OLED light sources:</b>   |      |  |                |  |
| R9 colour rendering index value   | 0    | Survival factor  | 0,50           |  |
| the lumen maintenance factor  | 0,93 |  |                |  |
| <b>Parameters for LED and OLED mains light sources:</b>   |      |  |                |  |
| displacement factor (cos $\phi_1$ )   | 0,50 | 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:  $x=0.3244$   $y=0.3496$   $u'=0.1982$   $v'=0.4806$

$CCT=5846K$  ( $Duv=0.0079$ ) Dominant WL:  $\lambda_d = 518.0nm$  Purity=3.3%

Ratio: R=13.6% G=81.5% B=4.9%; Peak WL:  $\lambda_p = 450.6nm$  FWHM=24.3nm

Render Index:  $R_a=81.1$

|         |         |          |          |          |          |          |
|---------|---------|----------|----------|----------|----------|----------|
| R1 = 78 | R2 = 85 | R3 = 91  | R4 = 81  | R5 = 79  | R6 = 80  | R7 = 88  |
| R8 = 67 | R9 = 0  | R10 = 65 | R11 = 80 | R12 = 59 | R13 = 79 | R14 = 95 |
|         |         |          |          |          |          | R15 = 72 |

### Photo Parameters:

Flux = 358.6 lm Eff. : 51.08 lm/W  $\Phi_e = 1.118 W$

### Electrical parameters:

$V = 229.99 V$   $I = 0.05411 A$   $P = 7.021 W$  PF = 0.5642

WHITE:OUT

Status: Integral T = 68 ms  $I_p = 36009 (55\%)$

Model: LED PANELS ROUND/6W  
Tester: Petya Marinova  
Temperature: 25.3Deg  
Manufacturer: ELMARK

Number: 99LED971CW  
Date: 2019-07-05 15:27  
Humidity: 65.0%  
Remarks: W1119X021\_5736