

# 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:** 99LED971CWE

## 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

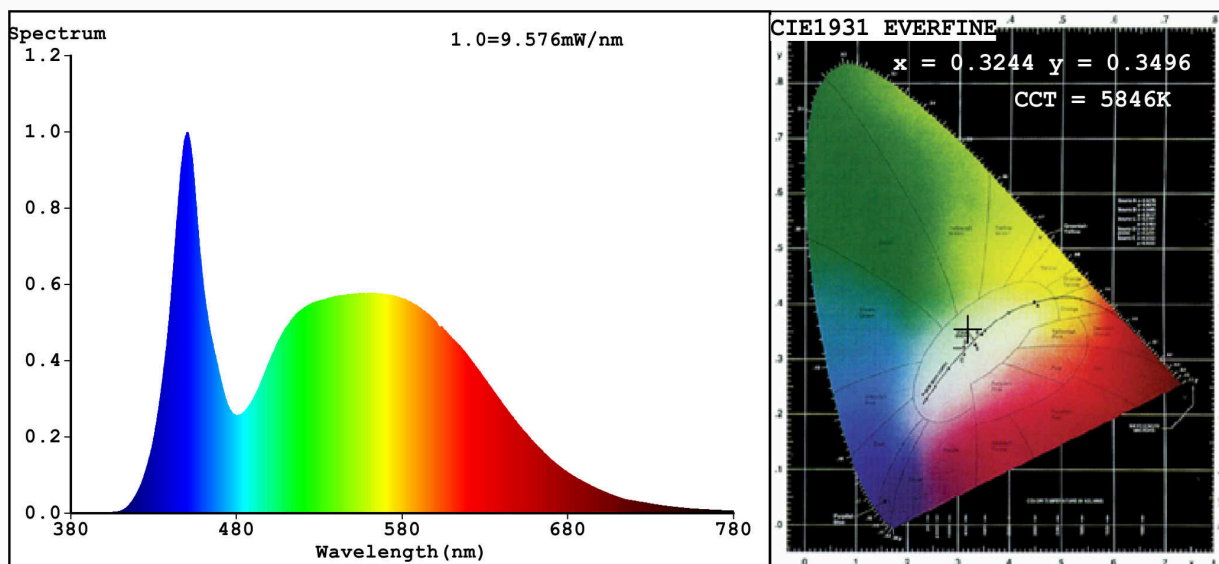
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	6	Energy efficiency class	G
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a 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	0,00
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>	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,324 0,349	
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	450	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	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