

# 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:** 99LED977CW

## Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	E14		
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:	Yes

## Product parameters

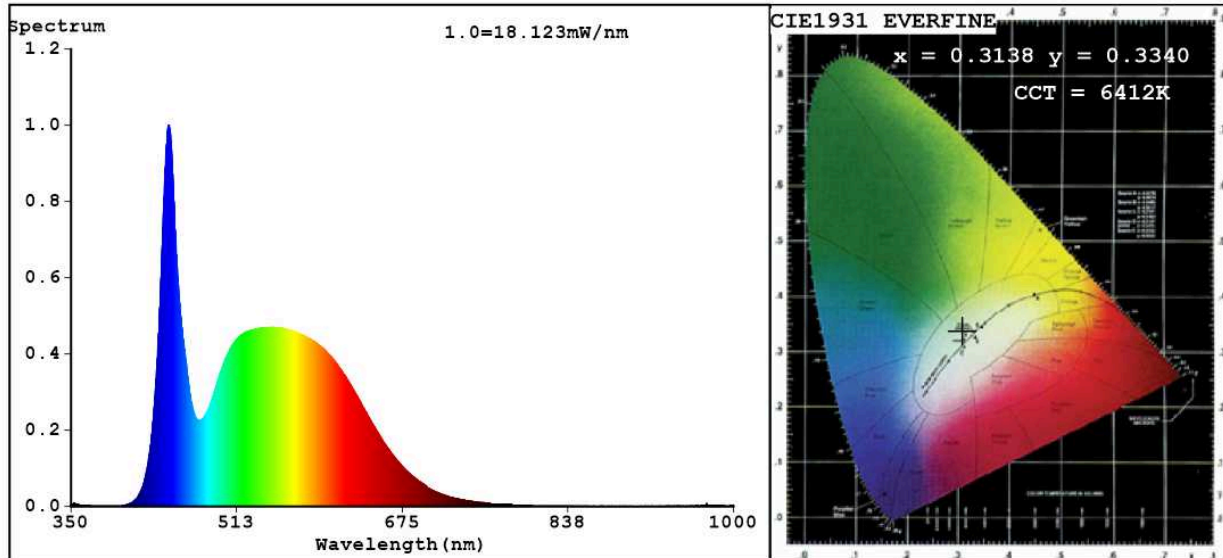
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	6	Energy efficiency class	F
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	550 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	6 000
On-mode power ( $P_{on}$ ), expressed in W	5,4	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	83
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)	50	
		Chromaticity coordinates (x and y)	0,313 0,334	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	14	Survival factor	0,50	
the lumen maintenance factor	0,93			
<b>Parameters for LED and OLED mains light sources:</b>				
displacement factor (cos $\phi_1$ )	0,80	Colour consistency in McAdam ellipses	0	
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)	50	
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:  $x=0.3138$   $y=0.3340$   $u'=0.1967$   $v'=0.4711$   
 CCT=6412K (Duv=0.0052) Dominant WL:Ld =0.0nm WL:Lc = --nm Purity=1.4%  
 Ratio:R=13.5% G=81.1% B=5.4% ; Peak WL:Lp=445.9nm FWHM=20.9nm  
 Render Index:Ra=83.6

R1 =82	R2 =86	R3 =89	R4 =85	R5 =84	R6 =82	R7 =88
R8 =73	R9 =14	R10=67	R11=85	R12=65	R13=83	R14=94 R15=77

### Photo Parameters:

Flux = 557.8 lm Eff. : 102.93 lm/W Fe = 1.819 W

### Electrical parameters:

V = 221.45 V I = 0.02743 A P = 5.419 W PF = 0.8921  
 WHITE:ANSI\_6500K

Status: Integral T = 56 ms Ip = 45271 (69%)

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

Number:99LED977CW  
 Date:2020-06-30 13:57:52  
 Humidity:65.0%  
 Remarks:6876