

# 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:** 99LED983WW

**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:	NMLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	Yes		
Anti-glare shield:	No	Dimmable:	No

## Product parameters

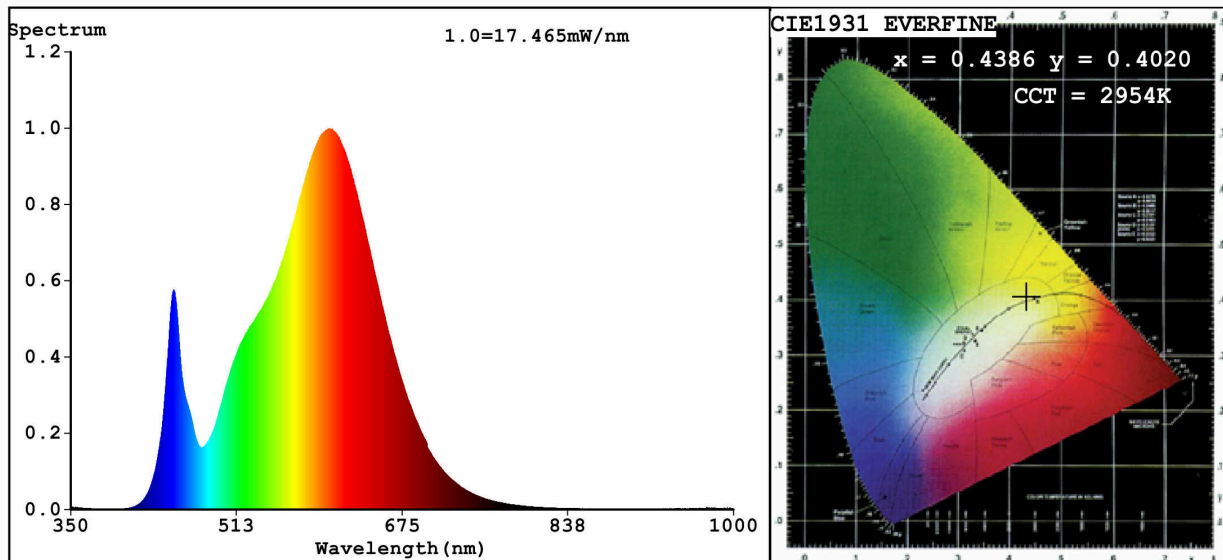
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	12	Energy efficiency class	G
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	800 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	3 000
On-mode power ( $P_{on}$ ), expressed in W	7,4	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	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>	-		If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,438 0,402
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	603		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	8		Survival factor	0,50
the lumen maintenance factor	0,93			

(a) : not applicable;

(b) : not applicable;

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.4386$   $y=0.4020$   $u'=0.2526$   $v'=0.5208$   
 CCT=2954K (Duv=-0.0011) Dominant WL:Ld =583.4nm WL:Lc = --nm Purity=52.3%  
 Ratio:R=23.2% G=74.4% B=2.4%; Peak WL:Lp=603.4nm FWHM=128.1nm  
 Render Index:Ra=82.5 AvgR=76.9 TM30:Rf=84 Rg=97 Lav=591.0nm

R1 =81	R2 =91	R3 =96	R4 =80	R5 =81	R6 =89	R7 =83
R8 =59	R9 =8	R10=79	R11=80	R12=71	R13=83	R14=99 R15=74

### Photo Parameters:

Flux = 847.3 lm Eff. : 113.74 lm/W Fe = 2.617 W

### Electrical parameters:

V = 23.976 V I = 0.3107 A P = 7.449 W PF = 1.000

WHITE:ANSI\_3000K

Status: Integral T = 60 ms Ip = 51126 (78%)

Model:LED LAMPS AND COMPONENTS  
 Tester:Atanas DAKOV  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:99LED983WW  
 Date:2021-08-23 10:39:16  
 Humidity:65.0%  
 Remarks:6943