

# 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:** 99LED980WW

## Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	Integrated LED		
Mains or non-mains:	NMLS	Connected light source (CLS):	Yes
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	Yes		
Anti-glare shield:	No	Dimmable:	No

## Product parameters

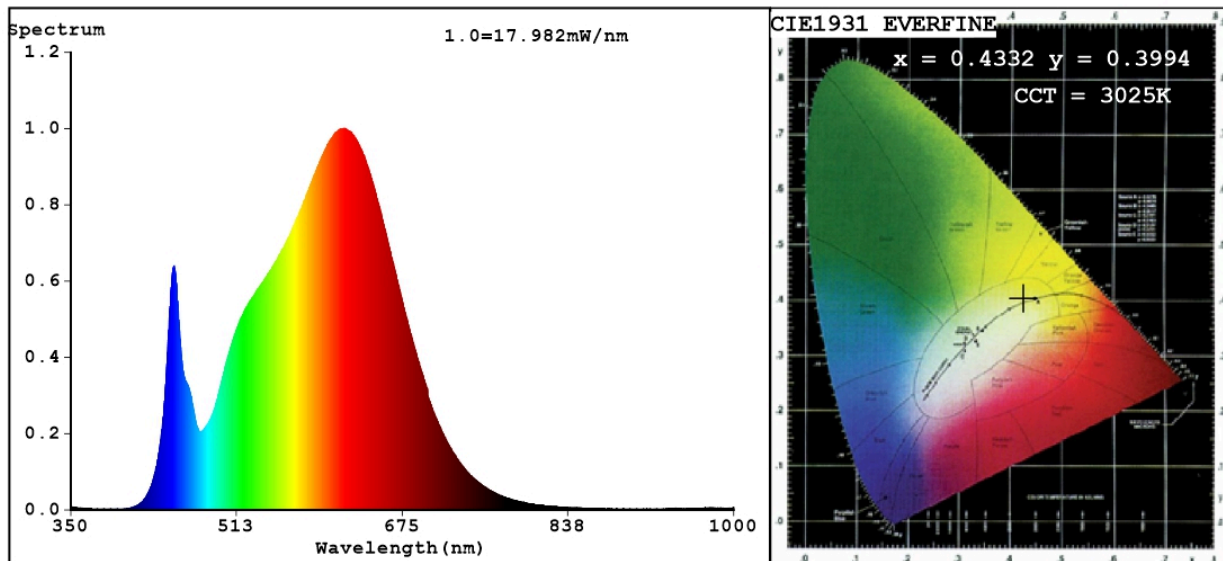
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	10	Energy efficiency class	F
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 000 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	3 000
On-mode power ( $P_{on}$ ), expressed in W	10,0	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	91
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)	0,433 0,399	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	54	Survival factor	0,53	
the lumen maintenance factor	0,93			

(a) : not applicable;

(b) : not applicable;

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.4332$   $y=0.3994$   $u'=0.2502$   $v'=0.5190$   
 CCT=3025K (Duv=-0.0014) Dominant WL:Ld =583.2nm WL:Lc = --nm Purity=49.9%  
 Ratio:R=24.0% G=73.3% B=2.7% Peak WL:Lp=619.4nm FWHM=163.0nm  
 Render Index:Ra=91.4 AvgR=88.2 TM30:Rf=90 Rg=100 Lav=598.9nm

R1 =92	R2 =95	R3 =97	R4 =92	R5 =91	R6 =94	R7 =91
R8 =80	R9 =54	R10=88	R11=92	R12=79	R13=93	R14=98 R15=88

### Photo Parameters:

Flux = 910.8 lm Eff. : 84.38 lm/W Fe = 3.131 W

### Electrical parameters:

V = 24.160 V I = 0.4468 A P = 10.79 W PF = 1.000

WHITE:ANSI\_3000K

Status: Integral T = 62 ms Ip = 53293 (81%)

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

Number:99LED980WW  
 Date:2021-11-30 08:55:54  
 Humidity:65.0%  
 Remarks:7806