

# 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:** 99LED960WW

## 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:	Yes		
Anti-glare shield:	No	Dimmable:	No

## Product parameters

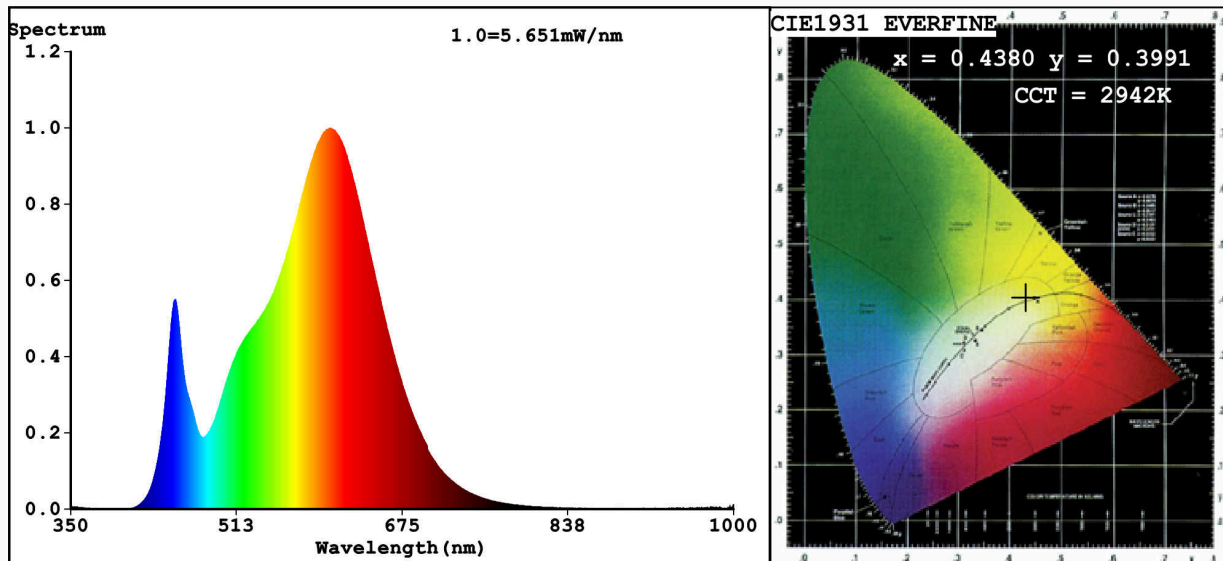
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	6	Energy efficiency class	F
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	510 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	2 700
On-mode power ( $P_{on}$ ), expressed in W	6,0	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	83
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)	0,438 0,399	
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	155	Beam angle in degrees, or the range of beam angles that can be set	108	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	11	Survival factor	0,90	
the lumen maintenance factor	1,00			
<b>Parameters for LED and OLED mains light sources:</b>				
displacement factor (cos $\phi_1$ )	0,50	Colour consistency in McAdam ellipses	6	
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)	1,0	Stroboscopic effect metric (SVM)	0,4	

(a), - : not applicable;

(b), - : not applicable;

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.4380$   $y=0.3991$   $u'=0.2534$   $v'=0.5196$   
 CCT=2942K (Duv=-0.0021) Dominant WL:Ld =583.8nm WL:Lc = --nm Purity=51.3%  
 Ratio:R=23.5% G=73.8% B=2.6%; Peak WL:Lp=603.5nm FWHM=123.4nm  
 Render Index:Ra=83.3

R1 =82	R2 =93	R3 =95	R4 =81	R5 =83	R6 =91	R7 =82
R8 =59	R9 =11	R10=83	R11=81	R12=75	R13=85	R14=98 R15=75

### Photo Parameters:

Flux = 270.3 lm Eff. : 59.78 lm/W Fe = 840.3 mW

### Electrical parameters:

V = 220.08 V I = 0.03800 A P = 4.522 W PF = 0.5408  
 WHITE:ANSI\_3000K

Status: Integral T = 167 ms Ip = 48585 (74%)

Model:LED PANEL ROUND  
 Tester:Atanas DAKOV  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:99LED960WW  
 Date:2020-04-14 09:34:25  
 Humidity:65.0%  
 Remarks:6360