

# 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:** 99XLED612

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

## Product parameters

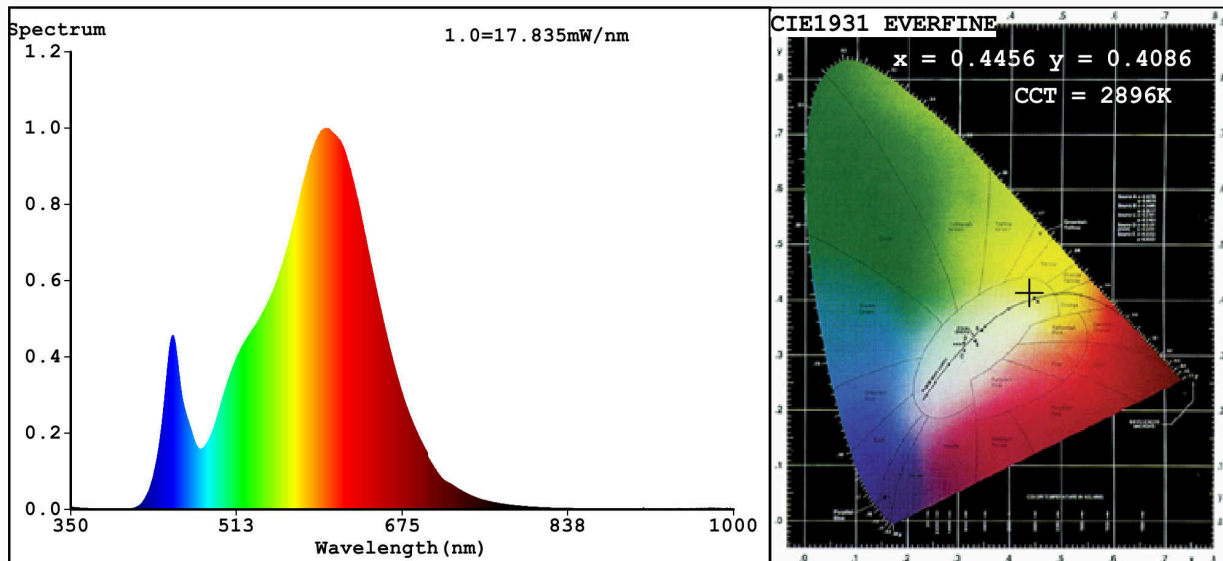
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	12	Energy efficiency class	F
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 200 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	12,0	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	81
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)	0,445 0,408	
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	258	Beam angle in degrees, or the range of beam angles that can be set	114	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	0	Survival factor	0,00	
the lumen maintenance factor	0,95			

(a) : not applicable;

(b) : not applicable;

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.4456$   $y=0.4086$   $u'=0.2542$   $v'=0.5244$   
CCT=2896K (Duv=0.0007) Dominant WL:  $\lambda_d = 583.0\text{nm}$  WL:  $\lambda_c = \text{--nm}$  Purity=56.4%  
Ratio: R=23.3% G=74.4% B=2.3% Peak WL:  $\lambda_p = 599.8\text{nm}$  FWHM=120.8nm  
Render Index:  $R_a = 81.0$

R1 =79	R2 =90	R3 =96	R4 =79	R5 =79	R6 =88	R7 =82
R8 =56	R9 =0	R10=77	R11=78	R12=71	R13=81	R14=99 R15=71

### Photo Parameters:

Flux = 855.4 lm Eff. : 69.45 lm/W  $\Phi_e = 2.576\text{ W}$

### Electrical parameters:

V = 220.01 V I = 0.1112 A P = 12.32 W PF = 0.5036  
WHITE: ANSI\_3000K

Status: Integral T = 56 ms  $I_p = 48620$  (74%)

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

Number: 99XLED612  
Date: 2021-02-11 10:50:53  
Humidity: 65.0%  
Remarks: 7388