

# 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:** 92PANEL031W

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

## Product parameters

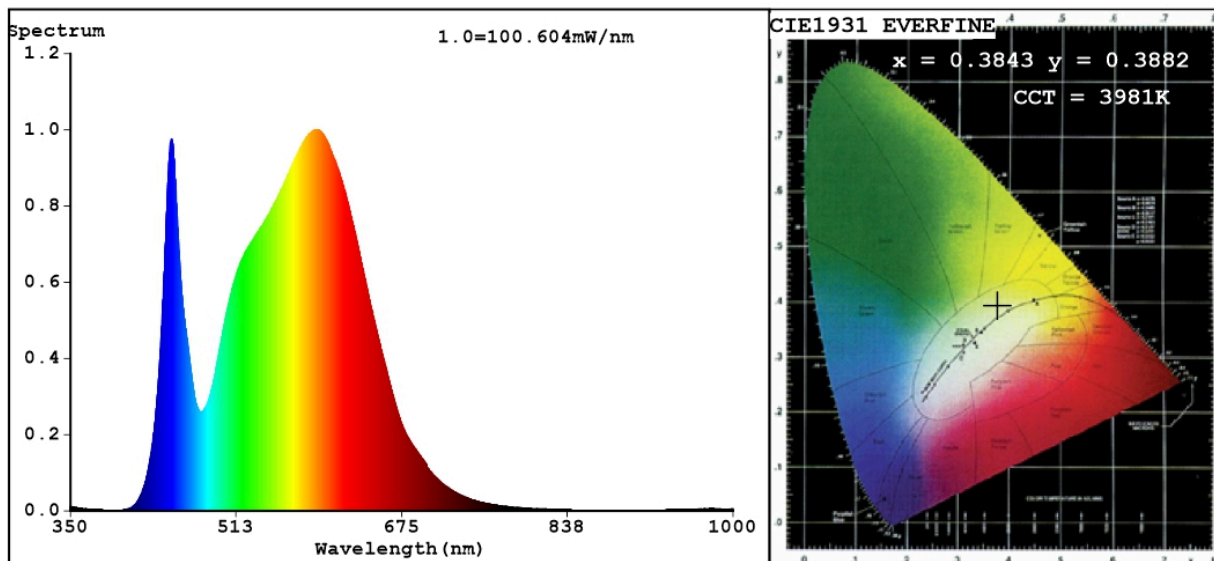
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	60	Energy efficiency class	E
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	6 000 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	4 000
On-mode power ( $P_{on}$ ), expressed in W	61,0	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	80
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)	0,384 0,388	
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	2 083	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	0,50	
the lumen maintenance factor	0,95			
<b>Parameters for LED and OLED mains light sources:</b>				
displacement factor (cos $\phi_1$ )	0,80	Colour consistency in McAdam ellipses	4	
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)	0,0	Stroboscopic effect metric (SVM)	0,0	

(a) '-': not applicable;

(b) '-': not applicable;

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3843$   $y=0.3882$   $u'=0.2231$   $v'=0.5071$   
 $CCT=3981K$  (Duv=0.0041) Dominant WL:  $L_d = 577.2nm$  WL:  $L_c = --nm$  Purity=31.8%  
 Ratio: R=17.7% G=79.0% B=3.3%; Peak WL:  $L_p = 591.5nm$  FWHM=146.5nm  
 Render Index:  $R_a=80.6$  AvgR=73.2 TM30:  $R_f=83$   $R_g=94$   $L_{av}=569.4nm$

R1 =78	R2 =86	R3 =94	R4 =80	R5 =78	R6 =82	R7 =86
R8 =61	R9 =0	R10=69	R11=78	R12=59	R13=80	R14=97
						R15=70

### Photo Parameters:

Flux = 5772 lm Eff. : 88.80 lm/W Fe = 17.06 W

### Electrical parameters:

V = 225.00 V I = 0.3429 A P = 65.00 W PF = 0.8425

WHITE: ANSI\_4000K

Status: Integral T = 12 ms Ip = 47754 (73%)

Model: LED INTERIOR LIGHTING  
 Tester: Atanas DAKOV  
 Temperature: 25.3Deg  
 Manufacturer: ELMARK

Number: 92PANEL031W  
 Date: 2022-01-25 14:16:18  
 Humidity: 65.0%  
 Remarks: 7807