

# 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:** 92PANEL023W

## 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

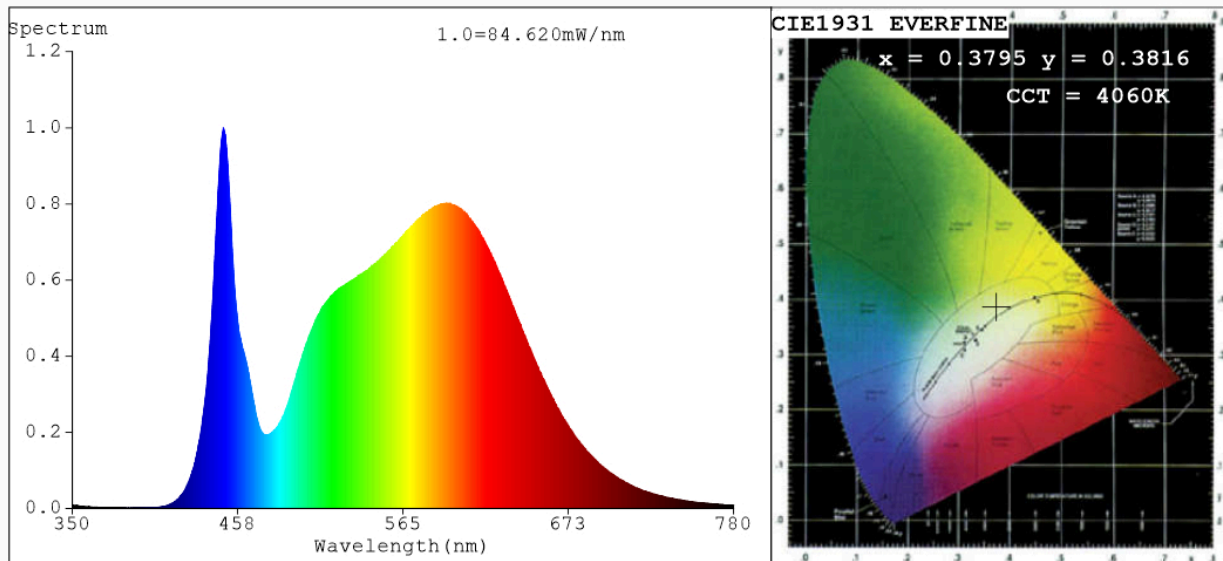
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	30	Energy efficiency class	C
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	4 200 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	29,0	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	82
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)	0,379 0,381	
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	1 399	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	4	Survival factor	0,50	
the lumen maintenance factor	0,95			
<b>Parameters for LED and OLED mains light sources:</b>				
displacement factor (cos $\phi_1$ )	0,90	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:  $x=0.3795$   $y=0.3816$   $u'=0.2226$   $v'=0.5036$   
CCT=4060K (Duv=0.0025) Dominant WL:  $\lambda_d = 577.5\text{nm}$  Purity=28.4%  
Ratio: R=17.9% G=78.8% B=3.4% Peak WL:  $\lambda_p = 448.2\text{nm}$  FWHM=16.9nm  
Render Index: Ra=82.1 CRI=75.2 AvgR=75.0  
R1 =80 R2 =87 R3 =94 R4 =82 R5 =80 R6 =83 R7 =86  
R8 =64 R9 =4 R10=70 R11=82 R12=61 R13=82 R14=97 R15=73

### Photo Parameters:

Flux = 3963 lm Eff. : 136.27 lm/W Fe = 11.83 W

### Electrical parameters:

V = 230.52 V I = 0.1311 A P = 29.08 W PF = 0.9627

LEVEL:OUT WHITE:ANSI\_4000K

Status: Integral T = 5 ms  $I_p = 56127$  (86%)

Model:LED PLASTIC 6W 6000K  
Tester:DAMIN  
Temperature:25.3Deg  
Manufacturer:W

Number:92PANEL023W  
Date:2022-06-10 09:56  
Humidity:65.0%  
Remarks:---