

# 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:** 92PANEL018WIP44E

## 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:	Yes

## Product parameters

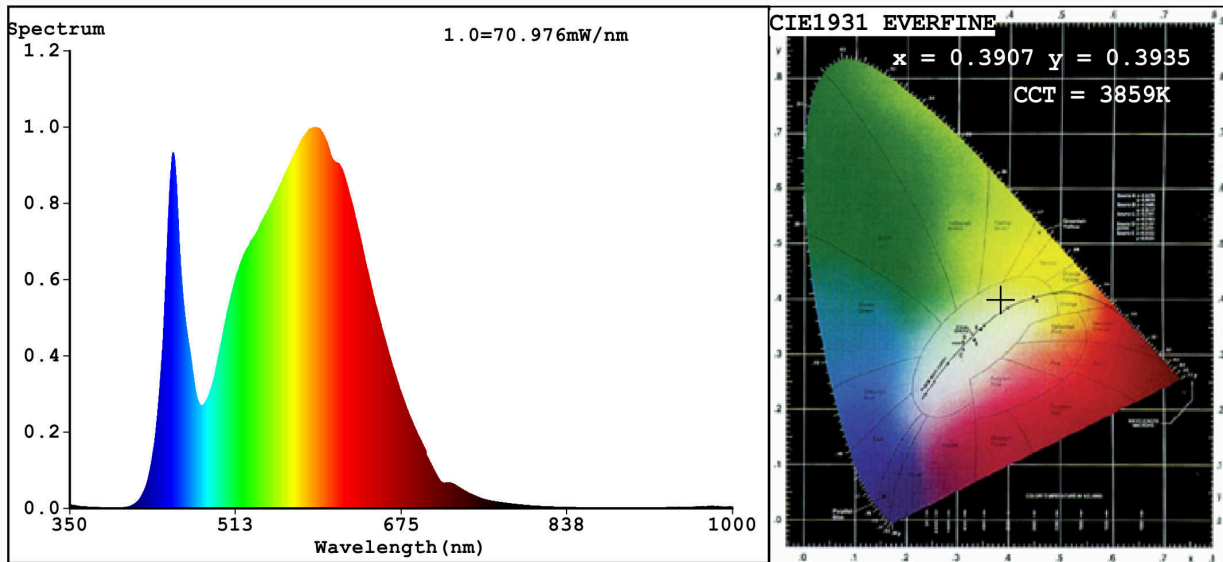
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	45	Energy efficiency class	G
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	3 600 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	47,6	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	81
Outer dimensions without	Height	Spectral power distribution in the	See image in last page
	Width		
	Depth		

separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power <sup>(a)</sup>	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,390 0,393	
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	590	Beam angle in degrees, or the range of beam angles that can be set	120	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	5	Survival factor	0,50	
the lumen maintenance factor	0,95			
<b>Parameters for LED and OLED mains light sources:</b>				
displacement factor (cos $\phi_1$ )	0,70	Colour consistency in McAdam ellipses	5	
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:  $x=0.3907$   $y=0.3935/u'=0.2252$   $v'=0.5103$   
 CCT=3859K (Duv=0.0048) Dominant WL:Ld =577.5nm WL:Lc = --nm Purity=35.4%  
 Ratio:R=18.1% G=78.6% B=3.3%; Peak WL:Lp=590.1nm FWHM=150.5nm  
 Render Index:Ra=81.5

R1 =79    R2 =87    R3 =95    R4 =80    R5 =79    R6 =83    R7 =87  
 R8 =63    R9 =5    R10=70    R11=78    R12=58    R13=81    R14=97    R15=72

**Photo Parameters:**

Flux = 4098 lm    Eff. : 86.02 lm/W    Fe = 12.28 W

**Electrical parameters:**

V = 219.96 V    I = 0.2837 A    P = 47.64 W PF = 0.7634  
 WHITE:ANSI\_4000K

Status: Integral T = 25 ms    Ip = 51689 (79%)

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

Number:92PANEL018W  
 Date:2021-04-07 16:19:10  
 Humidity:65.0%  
 Remarks:7467