

# 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:** 92PANEL032W

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

## Product parameters

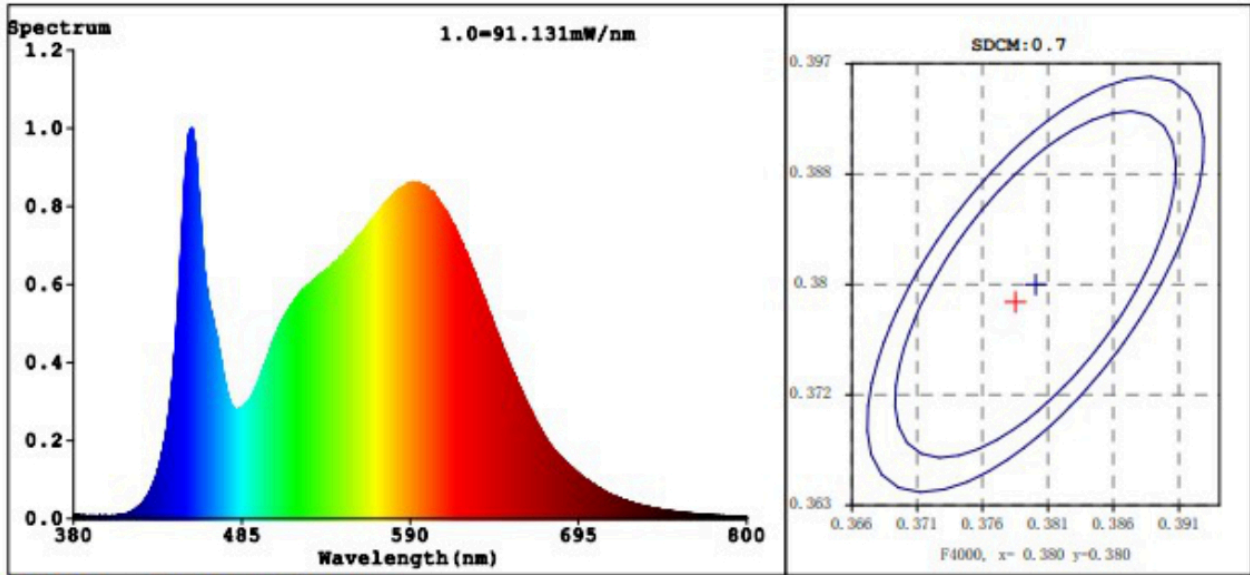
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	40	Energy efficiency class	E
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	4 500 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	39,8	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	82
Outer dimensions without separate control gear, lighting control	Height	595	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	595	
	Depth	30	
			See image in last page

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)	0,378 0,378
<b>Parameters for directional light sources:</b>			
Peak luminous intensity (cd)	454	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 $\phi_1$ )	0,90	Colour consistency in McAdam ellipses	2
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:  $x=0.3785$   $y=0.3787$  /  $u'=0.2231$   $v'=0.5021$   
CCT=4068K (Duv=0.0015) Dominant WL:Ld =578.0nm WL:Lc = --nm Purity=27.2%  
Ratio:R=18.0% G=78.2% B=3.8% Peak WL:Lp=454.1nm FWHM=22.7nm  
Render Index:Ra=82.6 AvgR=75.7 TM30:Rf=83 Rg=94

R1 =81 R2 =90 R3 =96 R4 =80 R5 =81 R6 =86 R7 =85  
R8 =63 R9 =5 R10=76 R11=79 R12=59 R13=83 R14=98 R15=74

## Photo Parameters:

Flux = 4498 lm Eff. : 112.96 lm/W Fe = 13.52 W  
Scotopic:7752.2 S/P:1.7233

## Electrical parameters:

V = 230.22 V I = 0.1780 A P = 39.82 W PF = 0.9719  
LEVEL:OUT WHITE:ANSI\_4000K  
Status: Integral T = 207 ms Ip = 32009 (49%)

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