

# Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light sources

**Supplier's name or trade mark:** STELLAR

**Supplier's address:** ELMARK INDUSTRIES SC, bul.Dobrudja 2, 9300 Dobrich Dobrich, BG

**Model identifier:** 99XPANEL021W

## 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

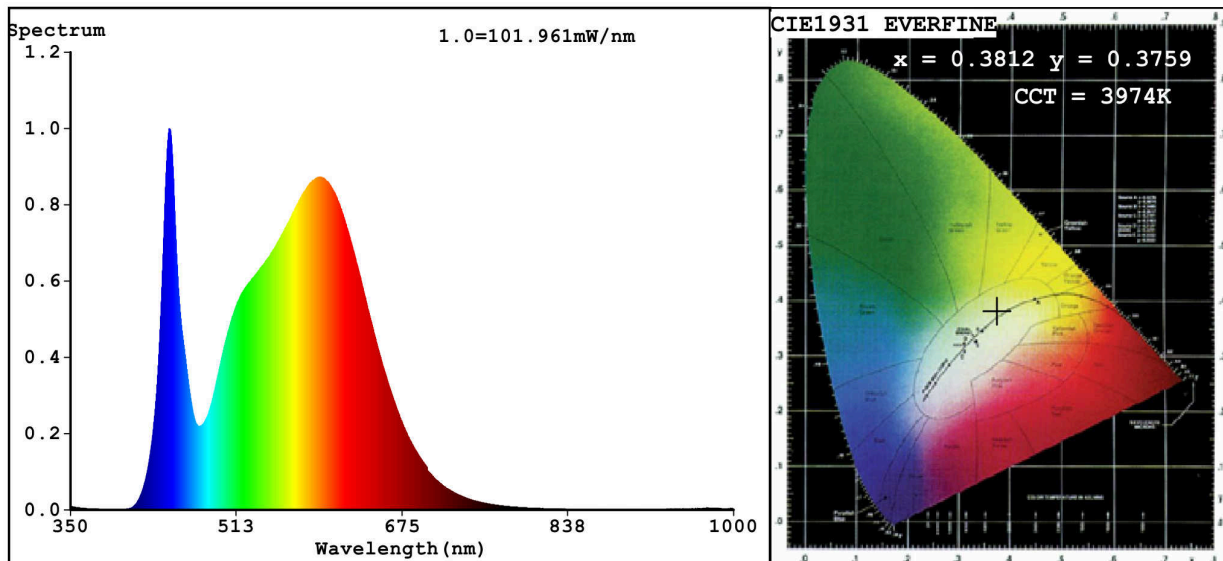
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	48	Energy efficiency class	F
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	4 300 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	48,0	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)	0,381 0,375	
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	1 485	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	9	Survival factor	0,40	
the lumen maintenance factor	0,93			
<b>Parameters for LED and OLED mains light sources:</b>				
displacement factor (cos $\phi_1$ )	0,50	Colour consistency in McAdam ellipses	1	
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)	0,4	Stroboscopic effect metric (SVM)	0,6	

(a) '-': not applicable;

(b) '-': not applicable;

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3812$   $y=0.3759$  /  $u'=0.2259$   $v'=0.5013$   
 CCT=3974K (Duv=-0.0006) Dominant WL:Ld =579.5nm WL:Lc = --nm Purity=27.2%  
 Ratio:R=18.4% G=78.2% B=3.4%; Peak WL:Lp=446.9nm FWHM=20.1nm  
 Render Index:Ra=82.6

R1 =81	R2 =88	R3 =94	R4 =83	R5 =82	R6 =84	R7 =86
R8 =64	R9 =7	R10=72	R11=82	R12=65	R13=83	R14=97
						R15=75

### Photo Parameters:

Flux = 5084 lm Eff. : 105.94 lm/W Fe = 15.51 W

### Electrical parameters:

V = 220.00 V I = 0.3825 A P = 47.99 W PF = 0.5703  
 WHITE:ANSI\_4000K

Status: Integral T = 9 ms Ip = 39283 (60%)

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

Number:99XPANEL021W  
 Date:2021-02-10 16:40:24  
 Humidity:65.0%  
 Remarks:7388