

# 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:** 99XLED969

## 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

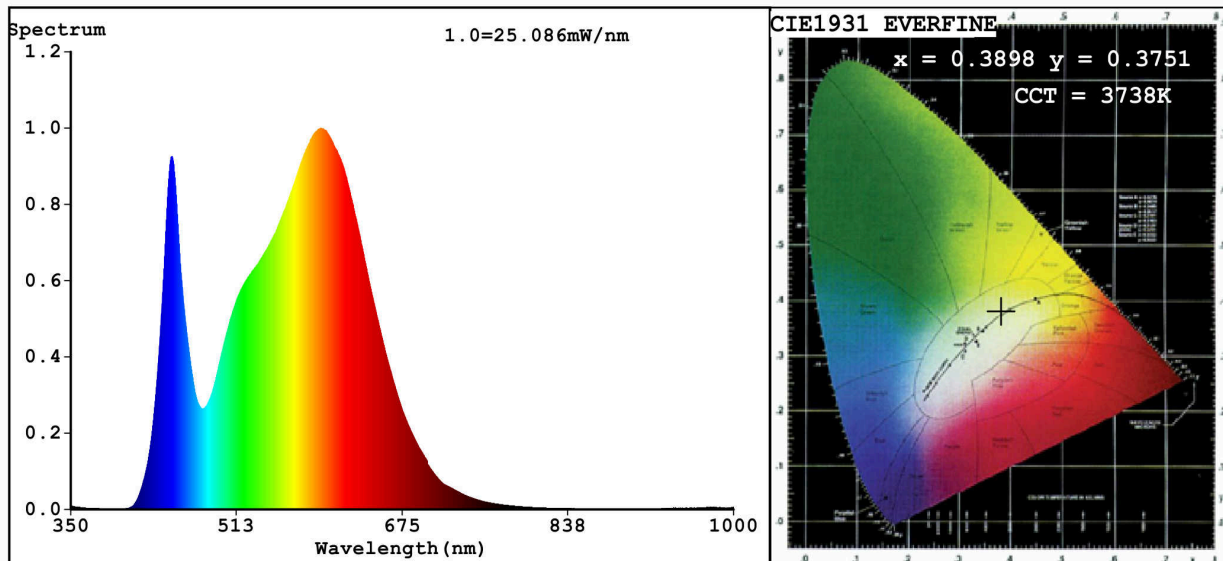
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	F
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 400 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	17,8	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	83
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)	0,389 0,375	
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	467	Beam angle in degrees, or the range of beam angles that can be set	113	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	10	Survival factor	0,50	
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	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:  $x=0.3898$   $y=0.3751$   $u'=0.2320$   $v'=0.5023$   
 CCT=3738K (Duv=-0.0034) Dominant WL:Ld =581.8nm WL:Lc = --nm Purity=29.6%  
 Ratio:R=19.5% G=77.1% B=3.4% ; Peak WL:Lp=595.8nm FWHM=144.3nm  
 Render Index:Ra=83.5

R1 =82	R2 =90	R3 =95	R4 =82	R5 =83	R6 =87	R7 =84
R8 =63	R9 =10	R10=77	R11=82	R12=70	R13=84	R14=98
						R15=76

### Photo Parameters:

Flux = 1364 lm Eff. : 76.57 lm/W Fe = 4.197 W

### Electrical parameters:

V = 219.97 V I = 0.1611 A P = 17.81 W PF = 0.5027

WHITE:ANSI\_4000K

Status: Integral T = 40 ms Ip = 51153 (78%)

Model:LED PANEL SQUARE  
 Tester:Atanas DAKOV  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:99XLED969  
 Date:2020-05-14 13:15:59  
 Humidity:65.0%  
 Remarks:6570