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: 99XLED970E

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
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	24	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	1 800 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	24,5	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	84
Outer dimensions without	Height	300	Spectral power distribution in the	See image in last page
	Width	300		
	Depth	32		

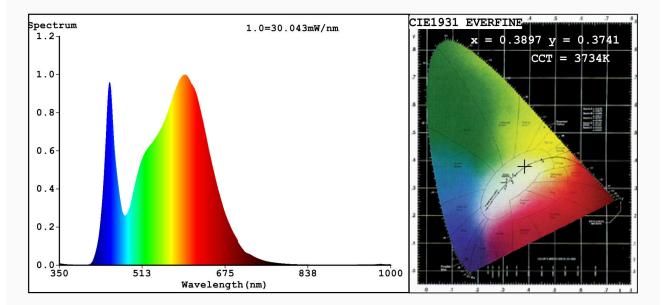| separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[a]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,389 0,374
Parameters for directional light sources:				
Peak luminous intensity (cd)		597	Beam angle in degrees, or the range of beam angles that can be set	120
Parameters for LED and OLED light sources:				
R9 colour rendering index value		13	Survival factor	0,50
the lumen maintenance factor		0,93		
Parameters for LED and OLED mains light sources:				
displacement factor (cos φ1)		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=0.3897 y=0.3741/u'=0.2323 v'=0.5018

CCT=3734K(Duv=-0.0038) Dominant WL:Ld =582.1nm WL:Lc = --nm Purity=29.2%

Ratio:R=19.6% G=77.0% B=3.4%¡¡Peak WL:Lp=597.8nm FWHM=146.3nm

Render Index:Ra=84.1

| R1 =83 | R2 =91 | R3 =95 | R4 =83 | R5 =84 | R6 =87 | R7 =85 |
| R8 =65 | R9 =13 | R10=78 | R11=83 | R12=71 | R13=85 | R14=98 | R15=77 |

Photo Parameters:

Flux = 1635 lm   Eff. : 66.74 lm/W Fe = 5.052 W

Electrical parameters:

V = 219.99 V   I = 0.2183 A   P = 24.50 W PF = 0.5100

WHITE:ANSI_4000K

Status: Integral T = 25 ms Ip = 38212 (58%)

Model:LED PANEL SQUARE	Number:99XLED970
Tester:Atanas DAKOV	Date:2020-05-20 09:41:19
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:6570