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: 99XPANEL020CWE

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

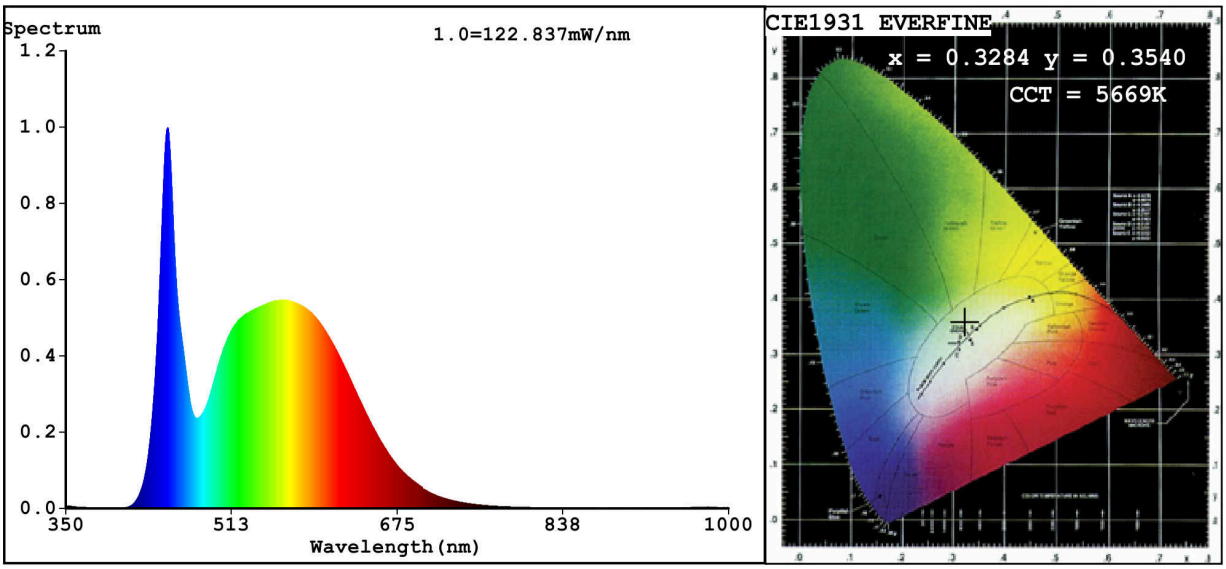
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	48	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	4 800 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	6 400
On-mode power (P_{on}), expressed in W	48,0	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	80
Outer dimensions without — Height	595	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	595		
Outer dimensions without — Depth	30		

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)	0,328 0,354
Parameters for directional light sources:				
Peak luminous intensity (cd)		449	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		0	Survival factor	0,40
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	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=0.3284 y=0.3540/u'=0.1993 v'=0.4834

CCT=5669K(Duv=0.0083) Dominant WL:Ld =540.6nm WL:Lc = --nm Purity=5.0%

Ratio:R=13.8% G=81.4% B=4.9%¡¡Peak WL:Lp=449.9nm FWHM=20.7nm

Render Index:Ra=80.8

R1 =77	R2 =85	R3 =92	R4 =80	R5 =79	R6 =81	R7 =87	
R8 =65	R9 =0	R10=66	R11=79	R12=57	R13=79	R14=96	R15=71

Photo Parameters:

Flux = 4329 lm Eff. : 89.49 lm/W Fe = 13.38 W

Electrical parameters:

V = 219.88 V I = 0.3890 A P = 48.38 W PF = 0.5657

WHITE:OUT

~~Status: Integral T = 13 ms Ip = 52149 (80%)~~

Model:LED PANEL	Number:99XPANEL020CW
Tester:Atanas DAKOV	Date:2021-01-29 08:35:16
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:7174