

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: 99XPANEL020W

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

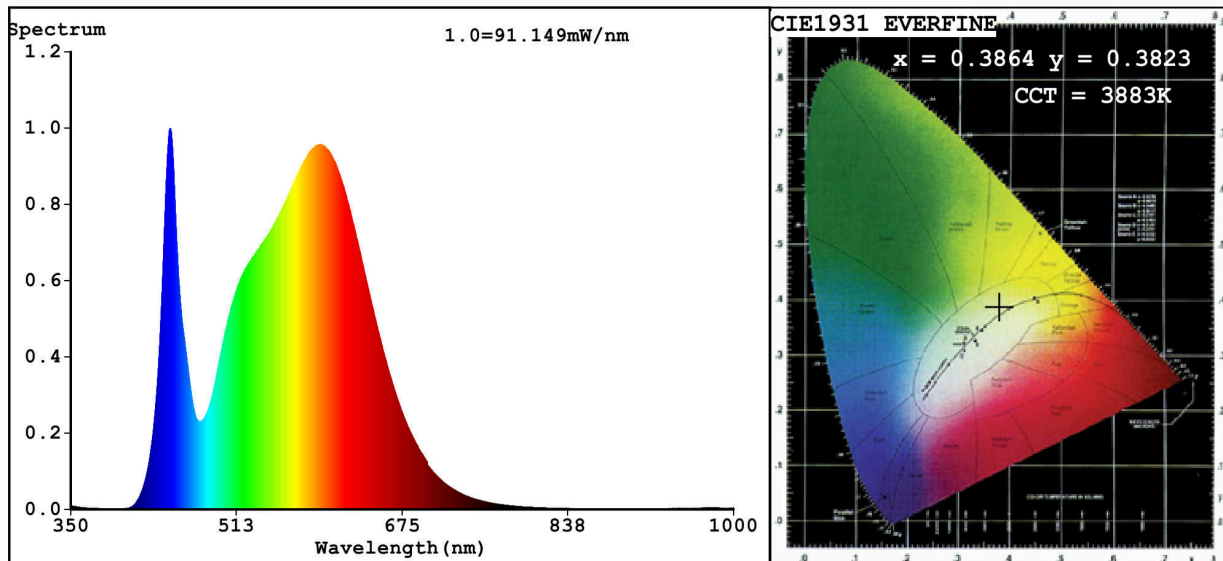
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	48	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	4 200 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	81
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 ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,386 0,382	
Parameters for directional light sources:				
Peak luminous intensity (cd)	1 443	Beam angle in degrees, or the range of beam angles that can be set	113	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	4	Survival factor	0,40	
the lumen maintenance factor	0,93			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_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)	0,2	Stroboscopic effect metric (SVM)	0,5	

(a) '-': not applicable;

(b) '-': not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3864$ $y=0.3823$ $u'=0.2268$ $v'=0.5049$
 CCT=3883K (Duv=0.0009) Dominant WL: $L_d = 579.1nm$ WL: $L_c = --nm$ Purity=30.7%
 Ratio: R=18.5% G=78.2% B=3.3% Peak WL: $L_p = 447.9nm$ FWHM=20.8nm
 Render Index: $R_a = 82.0$

R1 =80	R2 =88	R3 =94	R4 =82	R5 =81	R6 =83	R7 =86
R8 =63	R9 =4	R10=71	R11=81	R12=64	R13=82	R14=97
						R15=74

Photo Parameters:

Flux = 4958 lm Eff. : 98.00 lm/W Fe = 14.98 W

Electrical parameters:

V = 219.91 V I = 0.4328 A P = 50.59 W PF = 0.5316
 WHITE: ANSI_4000K

Status: Integral T = 17 ms Ip = 50137 (77%)

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

Number: 92XPANEL020W
 Date: 2021-04-06 13:14:43
 Humidity: 65.0%
 Remarks: 7455