

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: 99XLED622CW

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:	NMLS	Connected light source (CLS):	Yes
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	Yes		
Anti-glare shield:	No	Dimmable:	No

Product parameters

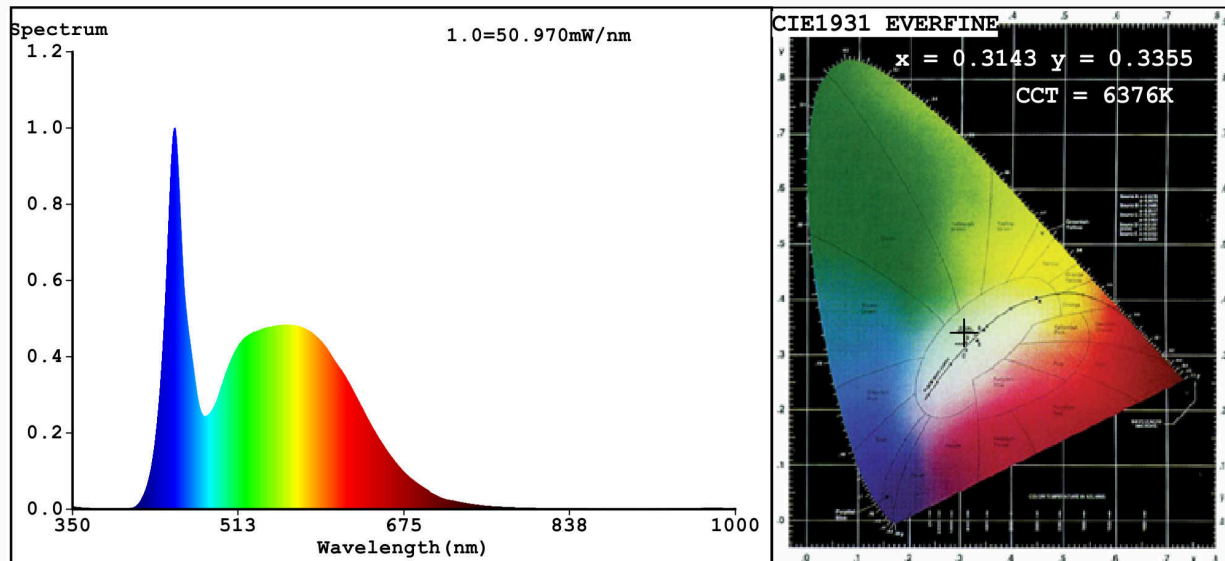
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 350 in Sphere (360°)	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	18,4	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 ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,314 0,335	
Parameters for directional light sources:				
Peak luminous intensity (cd)	457	Beam angle in degrees, or the range of beam angles that can be set	115	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	0	Survival factor	0,00	
the lumen maintenance factor	1,00			

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3143$ $y=0.3355$ $u'=0.1965$ $v'=0.4720$
CCT=6376K (Duv=0.0057) Dominant WL: $\lambda_d = 493.2\text{nm}$ WL: $\lambda_c = \text{--nm}$ Purity=6.3%
Ratio: R=13.2% G=81.3% B=5.5% Peak WL: $\lambda_p = 449.9\text{nm}$ FWHM=22.2nm
Render Index: $R_a = 82.4$

R1 =80	R2 =86	R3 =91	R4 =82	R5 =81	R6 =82	R7 =88
R8 =69	R9 =3	R10=68	R11=82	R12=59	R13=81	R14=95 R15=75

Photo Parameters:

Flux = 1604 lm Eff. : 87.01 lm/W $P_e = 5.148\text{ W}$

Electrical parameters:

V = 219.94 V I = 0.1631 A P = 18.44 W PF = 0.5139
WHITE: ANSI_6500K

Status: Integral T = 23 ms $I_p = 49631$ (76%)

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

Number: 99XLED622CW
Date: 2021-03-16 09:26:45
Humidity: 65.0%
Remarks: 7455