

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: 99XLED634CWE

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

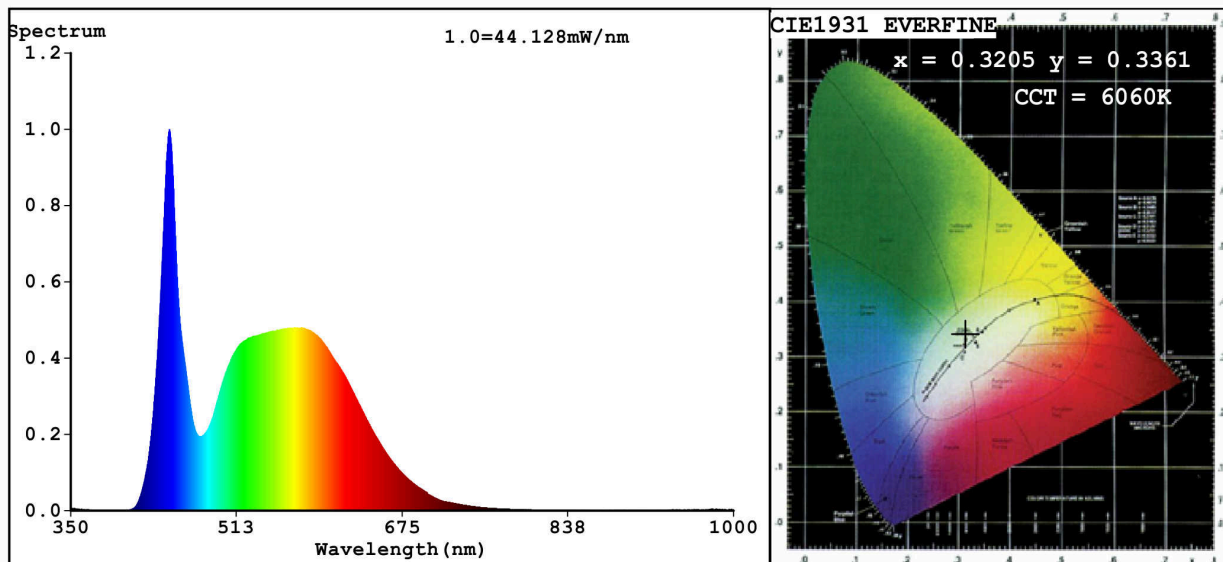
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	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	6 000
On-mode power (P_{on}), expressed in W	18,0	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	81
Outer dimensions without	Height	Spectral power distribution in the	See image in last page
	Width		
	Depth		

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)	0,320 0,336	
Parameters for directional light sources:				
Peak luminous intensity (cd)	446	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	4	Survival factor	0,50	
the lumen maintenance factor	0,95			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,50	Colour consistency in McAdam ellipses	3	
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: $x=0.3205$ $y=0.3361$ / $u'=0.2006$ $v'=0.4732$
 CCT=6060K (Duv=0.0030) Dominant WL: $L_d = 494.5\text{nm}$ WL: $L_c = \text{--nm}$ Purity=4.2%
 Ratio: R=13.8% G=81.4% B=4.9% ; Peak WL: $L_p = 446.8\text{nm}$ FWHM=20.5nm
 Render Index: $R_a = 81.7$

R1 =80	R2 =85	R3 =88	R4 =83	R5 =82	R6 =80	R7 =86
R8 =69	R9 =4	R10=64	R11=84	R12=63	R13=81	R14=94
						R15=75

Photo Parameters:

Flux = 1380 lm Eff. : 76.28 lm/W $F_e = 4.414$ W

Electrical parameters:

V = 220.00 V I = 0.1608 A P = 18.09 W PF = 0.5114

WHITE: ANSI_6500K

Status: Integral T = 29 ms $I_p = 53663$ (82%)

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

Number: 99XLED634CW
 Date: 2020-10-08 11:23:01
 Humidity: 65.0%
 Remarks: 6942