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: 99XLED633E

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

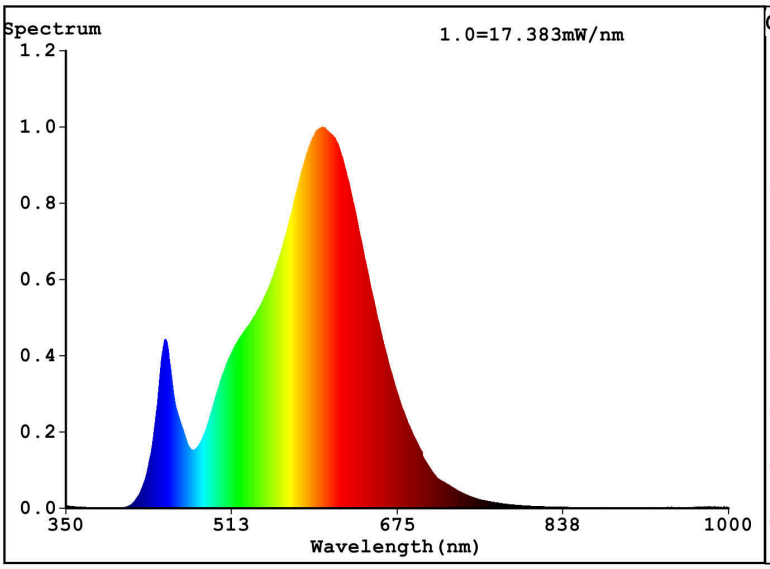
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	12	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	1 200 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	3 000
On-mode power (P_{on}), expressed in W	12,7	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	167	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	167		
Outer dimensions without — Depth	18		

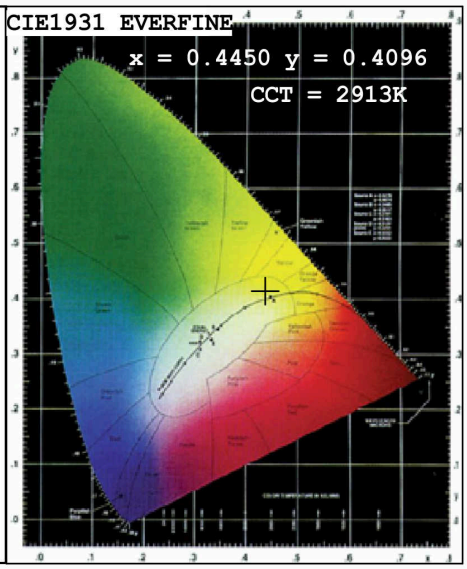
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[a]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,445 0,409
Parameters for directional light sources:				
Peak luminous intensity (cd)		601	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		1	Survival factor	0,70
the lumen maintenance factor		0,95		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,50	Colour consistency in McAdam ellipses	0
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)		0,6	Stroboscopic effect metric (SVM)	0,4

[a] '-' : not applicable;

[b] '-' : not applicable;

Spectrum Test Report





Color Parameters:

Chromaticity Coordinate:x=0.4450 y=0.4096/u'=0.2534 v'=0.5248

CCT=2913K(Duv=0.0011) Dominant WL:Ld =582.8nm WL:Lc = --nm Purity=56.5%

Ratio:R=23.2% G=74.5% B=2.3%¡¡Peak WL:Lp=601.1nm FWHM=121.7nm

Render Index:Ra=81.6

R1 =79	R2 =90	R3 =97	R4 =80	R5 =80	R6 =88	R7 =82	
R8 =56	R9 =1	R10=77	R11=80	R12=73	R13=82	R14=99	R15=71

Photo Parameters:

Flux = 835.9 lm Eff. : 65.63 lm/W Fe = 2.515 W

Electrical parameters:

V = 220.02 V I = 0.1129 A P = 12.74 W PF = 0.5127

WHITE:ANSI_3000K

Status: Integral T = 59 ms Ip = 49441 (75%)

Model:LED PANEL ROUND	Number:99XLED633
Tester:Atanas DAKOV	Date:2021-01-14 10:35:46
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:7293