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: 99XLED635

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

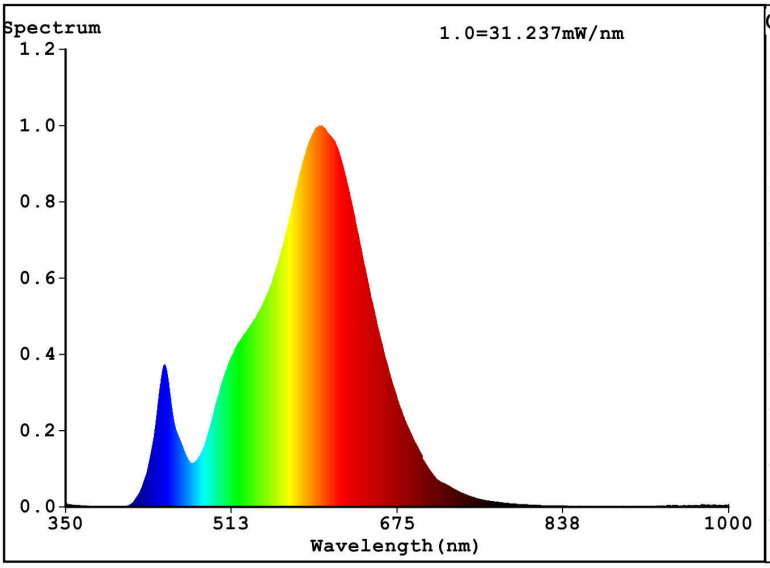
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	1 350 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	18,1	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	79
Outer dimensions without separate control gear, lighting control — Height	221	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Width	200		
Depth	18		

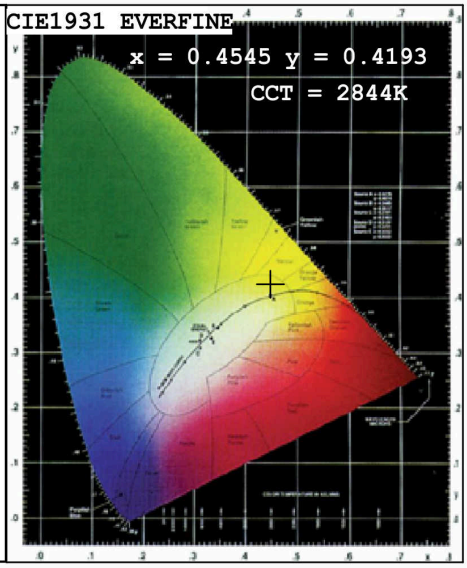
parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,454 0,419
Parameters for directional light sources:				
Peak luminous intensity (cd)		415	Beam angle in degrees, or the range of beam angles that can be set	113
Parameters for LED and OLED light sources:				
R9 colour rendering index value		0	Survival factor	0,50
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	5
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)		0,0	Stroboscopic effect metric (SVM)	0,0

[(a)] '-' : not applicable;

[(b)] '-' : not applicable;

Spectrum Test Report





Color Parameters:

Chromaticity Coordinate:x=0.4545 y=0.4193/u'=0.2553 v'=0.5298

CCT=2844K(Duv=0.0037) Dominant WL:Ld =582.3nm WL:Lc = --nm Purity=62.3%

Ratio:R=23.2% G=74.8% B=2.0%¡¡Peak WL:Lp=598.8nm FWHM=116.7nm

Render Index:Ra=79.3

R1 =76	R2 =87	R3 =97	R4 =78	R5 =76	R6 =85	R7 =82	
R8 =52	R9 =0	R10=73	R11=77	R12=68	R13=78	R14=99	R15=67

Photo Parameters:

Flux = 1476 lm Eff. : 81.33 lm/W Fe = 4.329 W

Electrical parameters:

V = 219.97 V I = 0.1615 A P = 18.15 W PF = 0.5109

WHITE:ANSI_2700K

Status: Integral T = 29 ms Ip = 43530 (66%)

Model:LED PANEL SQUARE	Number:99XLED635
Tester:Atanas DAKOV	Date:2020-10-08 11:27:40
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:6942