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: 99XLED634CW

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

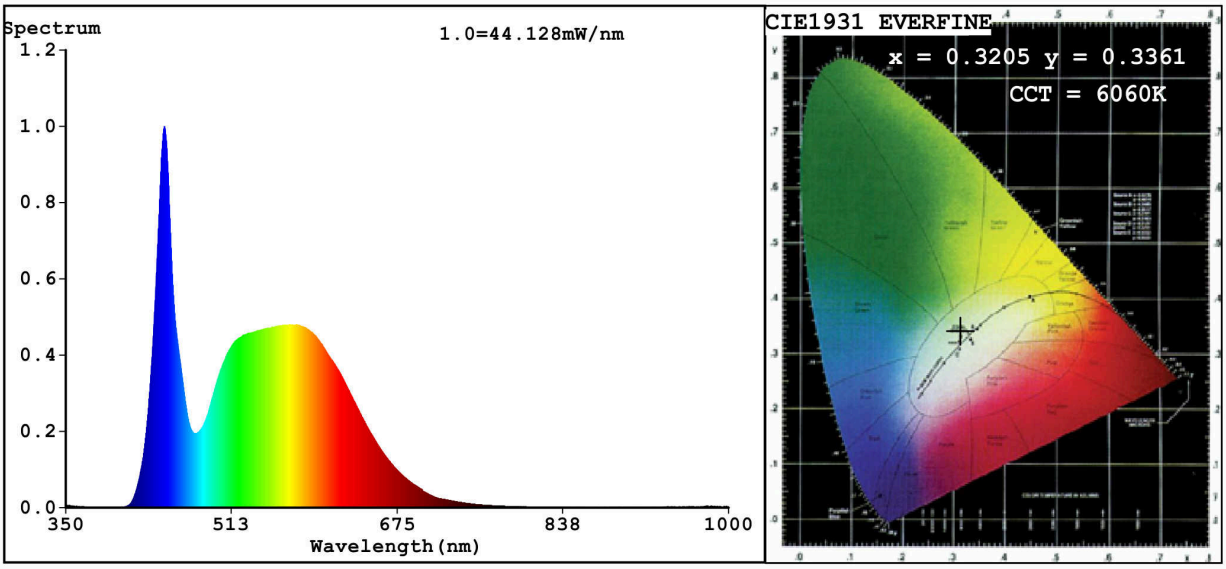
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	1 400 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	0,20
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	221	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Outer dimensions without separate control gear, lighting control — Width	221		
Outer dimensions without separate control gear, lighting control — 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)	0,320 0,336
Parameters for directional light sources:				
Peak luminous intensity (cd)		472	Beam angle in degrees, or the range of beam angles that can be set	114
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 ϕ1)		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:Ld =494.5nm WL:Lc = --nm Purity=4.2%

Ratio:R=13.8% G=81.4% B=4.9%¡¡Peak WL:Lp=446.8nm FWHM=20.5nm

Render Index:Ra=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 Fe = 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 Ip = 53663 (82%)

Model:LED PANEL SQUARE	Number:99XLED634CW
Tester:Atanas DAKOV	Date:2020-10-08 11:23:01
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:6942