

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: 99XLED632E

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

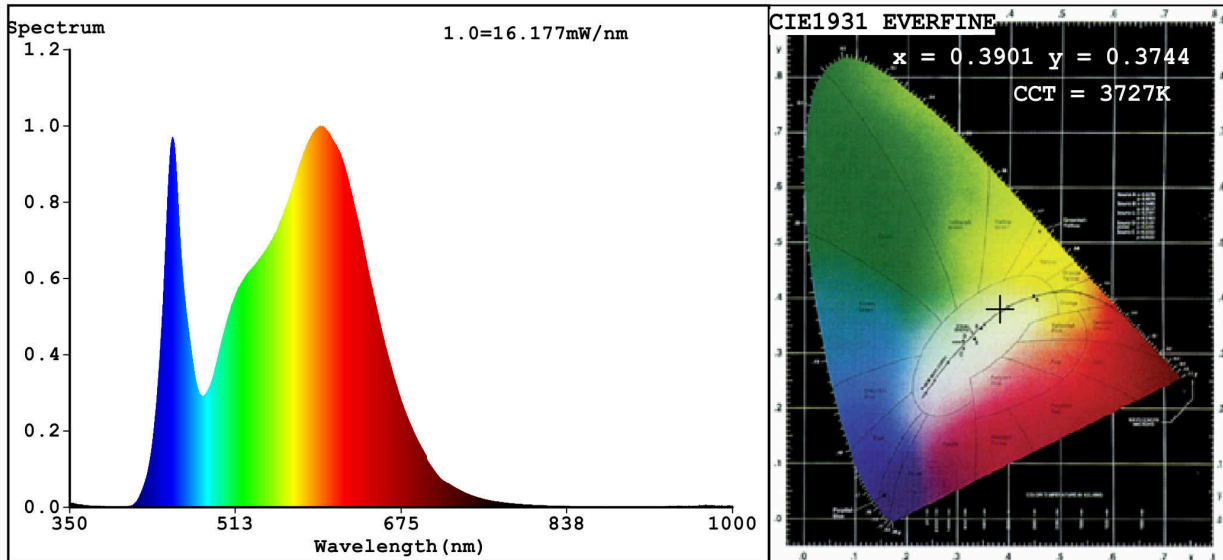
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	12	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	880 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	4 000
On-mode power (P_{on}), expressed in W	12,2	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	85
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)	0,390 0,374
Parameters for directional light sources:				
Peak luminous intensity (cd)	597		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	17		Survival factor	0,70
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)	0,6		Stroboscopic effect metric (SVM)	0,4

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3901$ $y=0.3744$ $u'=0.2324$ $v'=0.5020$
 CCT=3727K (Duv=-0.0037) Dominant WL:Ld =582.1nm WL:Lc = --nm Purity=29.4%
 Ratio:R=19.8% G=76.6% B=3.6%; Peak WL:Lp=597.8nm FWHM=147.4nm
 Render Index:Ra=85.1

R1 =84 R2 =93 R3 =96 R4 =84 R5 =85 R6 =89 R7 =85
 R8 =66 R9 =17 R10=82 R11=84 R12=71 R13=87 R14=98 R15=79

Photo Parameters:

Flux = 879.6 lm Eff. : 71.76 lm/W Fe = 2.732 W

Electrical parameters:

V = 220.06 V I = 0.1098 A P = 12.26 W PF = 0.5071
 WHITE:ANSI_4000K

Status: Integral T = 83 ms Ip = 50721 (77%)

Model: LIGHTING SOLUTIONS
 Tester:Atanas DAKOV
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99XLED632
 Date:2020-03-10 13:24:44
 Humidity:65.0%
 Remarks:6474