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: 99XLED796

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	GU10		
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

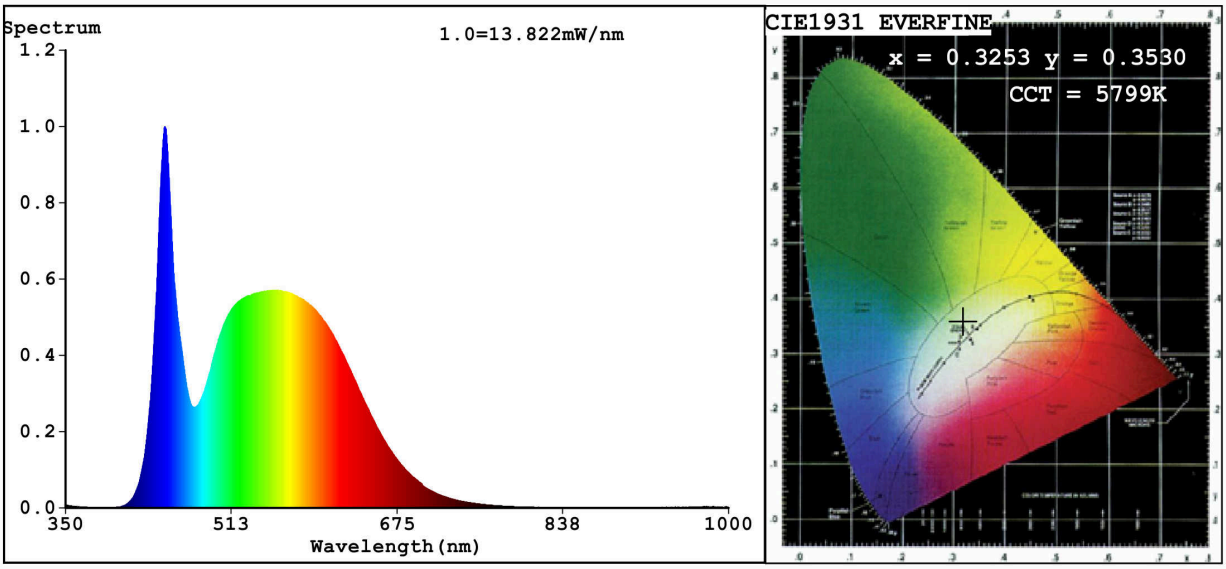
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	7	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	500 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	7,0	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	82
Outer dimensions without — Height	53	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	50		
Outer dimensions without — Depth	50		

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)]		Yes	If yes, equivalent power (W)	40
			Chromaticity coordinates (x and y)	0,325 0,353
Parameters for directional light sources:				
Peak luminous intensity (cd)		447	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	0,90
the lumen maintenance factor		0,93		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,10	Colour consistency in McAdam ellipses	5
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.		Yes[(b)]	If yes then replacement claim (W)	11
Flicker metric (Pst LM)		0,6	Stroboscopic effect metric (SVM)	0,2

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

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

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.3253 y=0.3530/u'=0.1976 v'=0.4824

CCT=5799K(Duv=0.0091) Dominant WL:Ld =527.8nm WL:Lc = --nm Purity=4.1%

Ratio:R=13.7% G=81.2% B=5.1%¡¡Peak WL:Lp=447.2nm FWHM=22.3nm

Render Index:Ra=82.2

R1 =79	R2 =85	R3 =92	R4 =83	R5 =81	R6 =82	R7 =88	
R8 =68	R9 =1	R10=67	R11=82	R12=63	R13=80	R14=96	R15=72

Photo Parameters:

Flux = 517.2 lm Eff. : 62.71 lm/W Fe = 1.623 W

Electrical parameters:

V = 220.01 V I = 0.1925 A P = 8.249 W PF = 0.1948

WHITE:OUT

Status: Integral T = 54 ms Ip = 30658 (47%)

Model:LED SMD2835	Number:99XLED796
Tester:Atanas DAKOV	Date:2021-04-29 08:32:16
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:7377