

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: 99XLED633

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
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:	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	G
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°)	750 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	12,0	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	82
Outer dimensions without separate control gear, lighting control	Height	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width		
	Depth		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,436 0,400	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	6	Survival factor	0,70	
the lumen maintenance factor	0,95			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,54	Colour consistency in McAdam ellipses	4	
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;

Lightsource Test Report

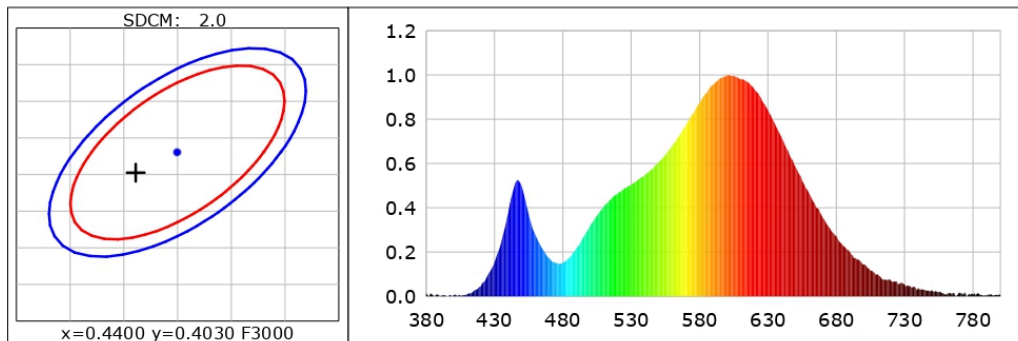
Product Information

Product Type: SDSSB-12W 2700K

Product Number: 22

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4361$ $y=0.4002$ $u(u')=0.2517$ $v=0.3465$ $v'=0.5197$
CCT: $T_c=2983K$ ($duv=-0.00142$) Color Ratio: $R=0.230$ $G=0.747$ $B=0.023$
Peak Wavelength: 601.1nm Half Bandwidth: 128.5nm
Dominant Wavelength: 583.4nm Color Purity: 0.510
CRI: R_a : $R_a=82.2$
 $R1=80$ $R2=89$ $R3=97$ $R4=81$ $R5=81$ $R6=88$ $R7=82$ $R8=59$
 $R9=6$ $R10=77$ $R11=81$ $R12=74$ $R13=82$ $R14=98$ $R15=73$
Color Quality Scale: $Q_a=81.4$, $Q_f=82.5$, $Q_p=84.0$, $Q_g=93.5$
 $Q1=76$ $Q2=96$ $Q3=82$ $Q4=81$ $Q5=83$ $Q6=82$ $Q7=82$ $Q8=85$
 $Q9=96$ $Q10=88$ $Q11=85$ $Q12=82$ $Q13=82$ $Q14=71$ $Q15=73$



Photometric Parameters

Luminous Flux: 738.97 lm
EEI: 0.20

Efficiency: 62.41 lm/W Radiant Power: 2.243 W
Energy Efficiency Class: A (EU 874-2012)

Electric Parameters

Voltage: 222.50V
Power Factor: 0.5410

Current: 0.0980A Power: 11.84W
Frequency: 59.99Hz

Test Information

Scan Range: 380~800:1nm
Stabilization Time: 0 ms
Max of Signal: 44937 (3929)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 1.50m, 4 π
CCD Integration Time: 746.40 ms

Condition: $T_x=30.4^{\circ}C$, $T_i=25.3^{\circ}C$, R.H.:60%
Test Lab:
Operator:

Test Device: Inventfine CMS-2S (Plus)
Test Time:
Inspector:

Model placed on the Union market from 01/07/2024.



EPREL registration number: 866647

<https://eprel.ec.europa.eu/qr/866647>

Supplier: ELMARK INDUSTRIES SC (Importer)

Website: www.elmarkholding.eu

Customer care service:

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