

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: 99XLED637

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	24	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°)	1 720 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	24,7	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)	0,435 0,401	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	5	Survival factor	0,50	
the lumen maintenance factor	0,93			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,50	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)	0,0	Stroboscopic effect metric (SVM)	0,0	

(a) '-': not applicable;

(b) '-': not applicable;

Lightsource Test Report

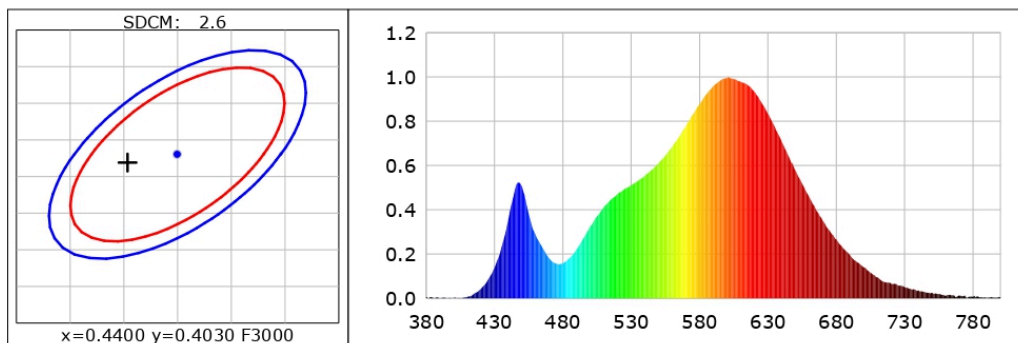
Product Information

Product Type: SDSB-25W 2700K

Product Number: 28

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4354$ $y=0.4019$ $u(u')=0.2505$ $v=0.3469$ $v'=0.5203$
CCT: $T_c=3009K$ ($duv=-0.00066$) Color Ratio: $R=0.228$ $G=0.749$ $B=0.024$
Peak Wavelength: 601.1nm Half Bandwidth: 129.4nm
Dominant Wavelength: 583.0nm Color Purity: 0.513
CRI: Ra: Ra= 82.1
R1 =80 R2 =89 R3 =97 R4 =81 R5 =81 R6 =88 R7 =82 R8 =59
R9 =5 R10=76 R11=81 R12=73 R13=82 R14=98 R15=73
Color Quality Scale: $Q_a= 81.7$, $Q_f= 83.0$, $Q_p= 83.7$, $Q_g= 92.7$
Q1 =77 Q2 =96 Q3 =82 Q4 =81 Q5 =83 Q6 =82 Q7 =82 Q8 =85
Q9 =96 Q10=88 Q11=85 Q12=83 Q13=82 Q14=71 Q15=73



Photometric Parameters

Luminous Flux: 1716.37 lm
EEI: 0.20

Efficiency: 69.46 lm/W

Radiant Power: 5.177 W

Energy Efficiency Class: A (EU 874-2012)

Electric Parameters

Voltage: 220.70V
Power Factor: 0.5580

Current: 0.2000A
Frequency: 49.99Hz

Power: 24.71W

Test Information

Scan Range: 380~800:1nm
Stabilization Time: 0 ms
Max of Signal: 45149 (3297)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 1.50m, 4 π
CCD Integration Time: 325.49 ms

Condition: Tx:30.4'C, Ti:24.1'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: 1039716

<https://eprel.ec.europa.eu/qr/1039716>

Supplier: ELMARK INDUSTRIES SC (Importer)

Website: www.elmarkholding.eu

Customer care service:

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