

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: 9XBR54LED

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):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

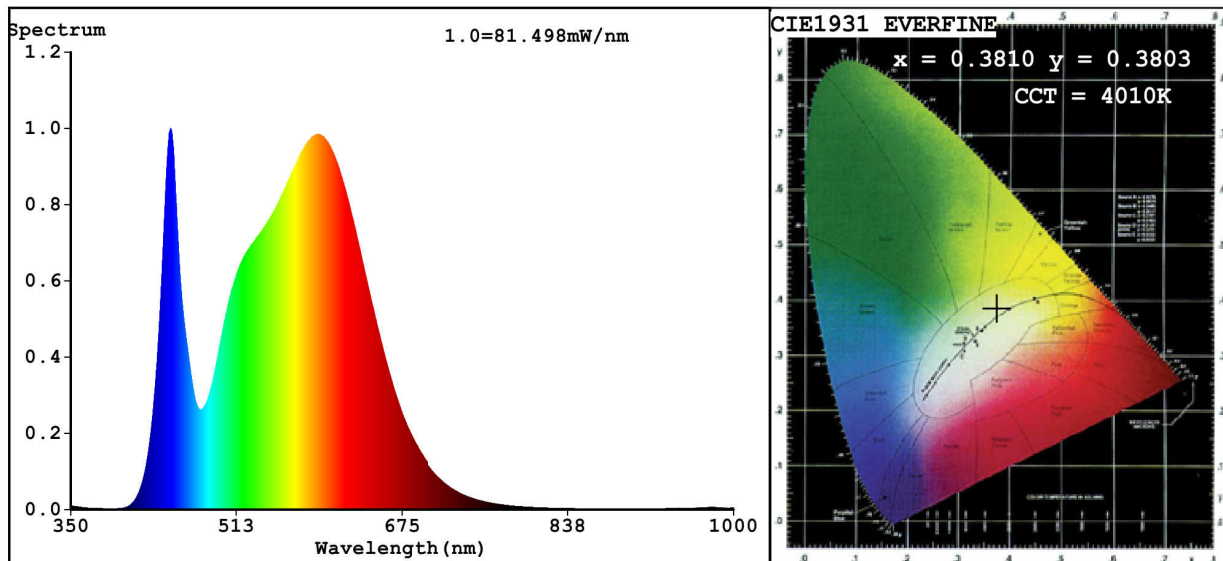
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	54	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	5 400 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	4 000
On-mode power (P_{on}), expressed in W	53,0	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 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)	0,381 0,380	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	3	Survival factor	0,30	
the lumen maintenance factor	0,90			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,90	Colour consistency in McAdam ellipses	6	
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)	0,2	Stroboscopic effect metric (SVM)	1,0	

(a) '-': not applicable;

(b) '-': not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3810$ $y=0.3803$ $u'=0.2241$ $v'=0.5032$
 CCT=4010K (Duv=0.0015) Dominant WL: $\lambda_d = 578.2\text{nm}$ WL: $\lambda_c = \text{--nm}$ Purity=28.5%
 Ratio: R=18.0% G=78.6% B=3.4% ; Peak WL: $\lambda_p = 447.9\text{nm}$ FWHM=23.7nm
 Render Index: $R_a = 82.0$

R1 =80	R2 =87	R3 =94	R4 =82	R5 =80	R6 =83	R7 =86
R8 =63	R9 =3	R10=71	R11=81	R12=64	R13=81	R14=97
						R15=73

Photo Parameters:

Flux = 4619 lm Eff. : 82.65 lm/W $\Phi_e = 13.97\text{ W}$

Electrical parameters:

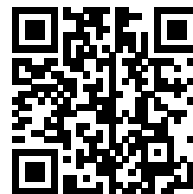
V = 229.88 V I = 0.2539 A P = 55.88 W PF = 0.9572
 WHITE: ANSI_4000K

Status: Integral T = 11 ms $I_p = 48843$ (75%)

Model: BELLA STELLAR SMD2835/54W
 Tester: Petya Marinova
 Temperature: 25.3Deg
 Manufacturer: ELMARK

Number: 9XBR54LED
 Date: 2019-07-26 11:42:28
 Humidity: 65.0%
 Remarks: W1119X021-2_5566

Model placed on the Union market from 03/07/2019



EPREL registration number: 773327

<https://eprel.ec.europa.eu/qr/773327>

Supplier: ELMARK INDUSTRIES SC (Importer)

Website: www.elmarkholding.eu

Customer care service:

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