

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: 9XBR36LED

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:	Yes		
Anti-glare shield:	No	Dimmable:	No

Product parameters

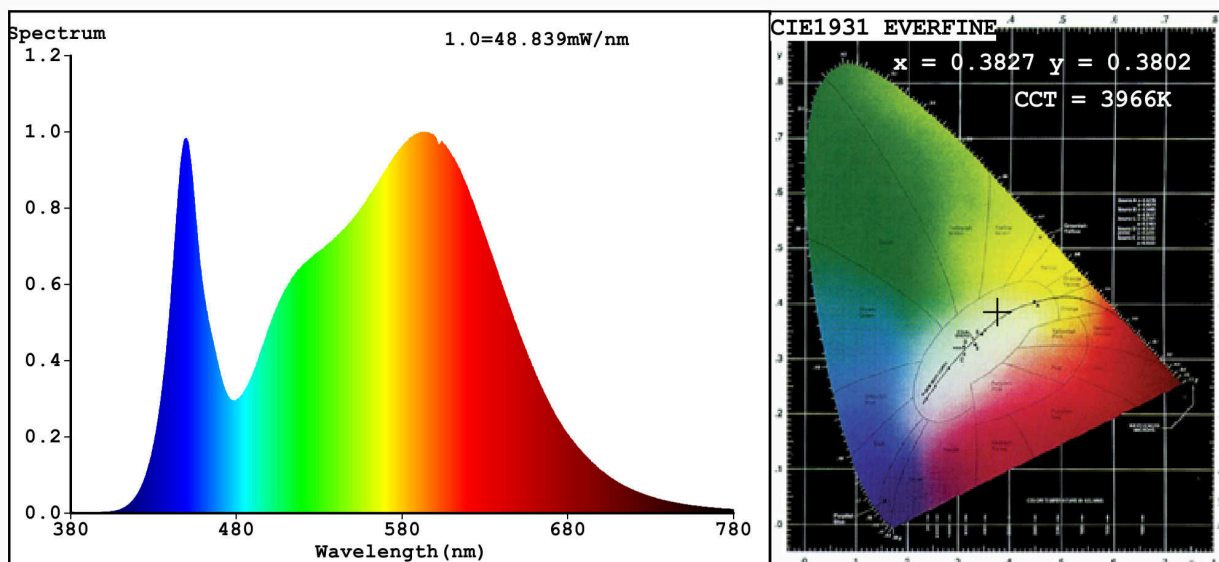
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	36	Energy efficiency class	E
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	3 674 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	36,9	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	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)	0,382 0,380	
Parameters for directional light sources:				
Peak luminous intensity (cd)	1 225	Beam angle in degrees, or the range of beam angles that can be set	128	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	2	Survival factor	0,40	
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	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)	36	
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: $x=0.3827$ $y=0.3802$ $u'=0.2252$ $v'=0.5034$

CCT=3966K(Duv=0.0010) Dominant WL:Ld =578.7nm Purity=28.9%

Ratio:R=18.2% G=78.1% B=3.6%; Peak WL:Lp=593.8nm FWHM=147.5nm

Render Index:Ra=82.6

R1 =80	R2 =89	R3 =96	R4 =82	R5 =81	R6 =85	R7 =85
R8 =62	R9 =2	R10=75	R11=81	R12=65	R13=83	R14=98
						R15=73

Photo Parameters:

Flux = 2761 lm Eff. : 74.79 lm/W Fe = 8.279 W

Electrical parameters:

V = 230.02 V I = 0.1658 A P = 36.92 W PF = 0.9680

WHITE:ANSI_4000K

Status: Integral T = 17 ms Ip = 53152 (81%)

Model:BELLA STELLAR SMD2835/36W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:9XBR36LED
Date:2019-06-07 15:01
Humidity:65.0%
Remarks:W1119X007-2/X021-1_5736