

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: 9XBR18LEDCW

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

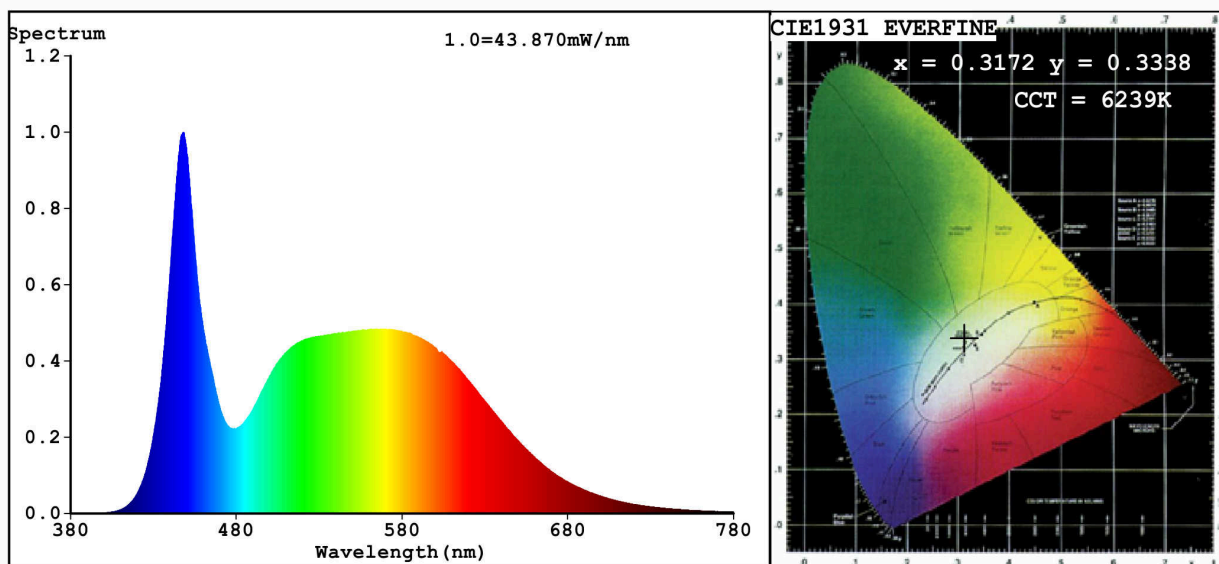
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	E
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 641 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	17,0	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	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)	0,317 0,333	
Parameters for directional light sources:				
Peak luminous intensity (cd)	584	Beam angle in degrees, or the range of beam angles that can be set	125	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	6	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	6	
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)	18	
Flicker metric (Pst LM)	0,4	Stroboscopic effect metric (SVM)	1,0	

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3172$ $y=0.3338$ $u'=0.1991$ $v'=0.4715$

CCT=6239K(Duv=0.0034) Dominant WL:Ld =492.1nm Purity=5.4%

Ratio:R=13.7% G=81.1% B=5.2%; Peak WL:Lp=447.9nm FWHM=22.1nm

Render Index:Ra=82.8

R1 =81	R2 =86	R3 =90	R4 =84	R5 =83	R6 =82	R7 =87
R8 =70	R9 =6	R10=67	R11=84	R12=63	R13=82	R14=94
						R15=76

Photo Parameters:

Flux = 1392 lm Eff. : 80.50 lm/W Fe = 4.462 W

Electrical parameters:

V = 239.92 V I = 0.07573 A P = 17.29 W PF = 0.9515

WHITE:ANSI_6500K

Status: Integral T = 22 ms Ip = 53078 (81%)

Model:BELLA STELLAR SMD2835/18W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:9XBR18LEDCW
Date:2019-06-07 11:50
Humidity:65.0%
Remarks:W1119X007-2/X021-1_5566