

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: 9XBR18LED

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

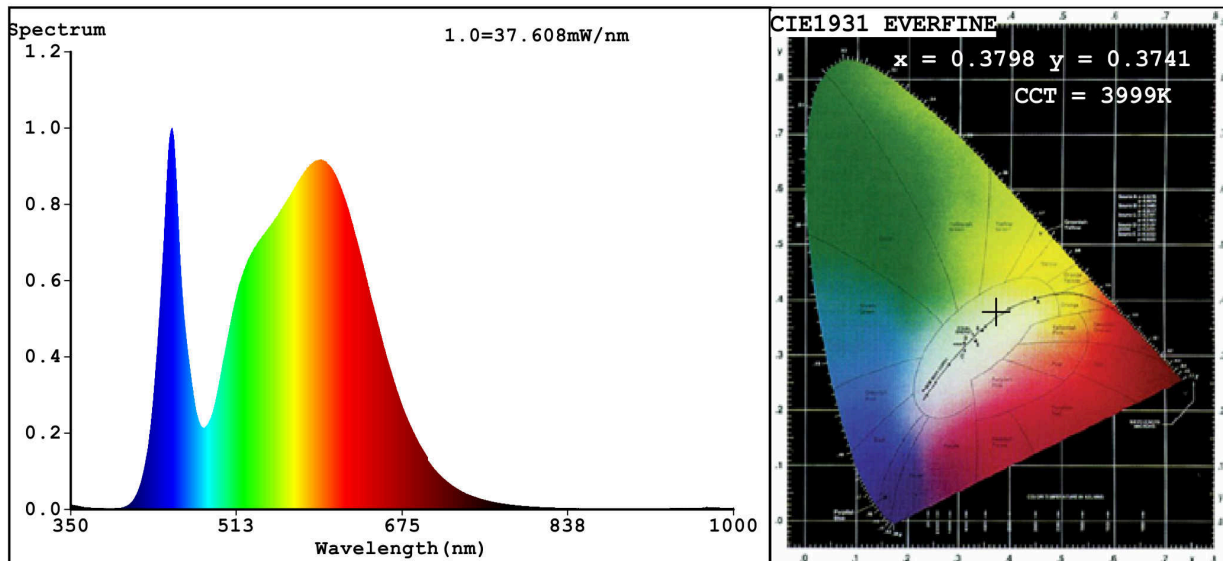
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	E
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	2 014 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	18,0	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)	0,379 0,374	
Parameters for directional light sources:				
Peak luminous intensity (cd)	449	Beam angle in degrees, or the range of beam angles that can be set	120	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	12	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: $x=0.3798$ $y=0.3741$ $u'=0.2257$ $v'=0.5003$
 CCT=3999K (Duv=-0.0010) Dominant WL:Ld =579.7nm WL:Lc = --nm Purity=26.2%
 Ratio:R=18.4% G=78.5% B=3.2%; Peak WL:Lp=449.2nm FWHM=24.2nm
 Render Index:Ra=82.2

R1 =81	R2 =87	R3 =91	R4 =82	R5 =81	R6 =82	R7 =86
R8 =67	R9 =12	R10=68	R11=81	R12=61	R13=82	R14=95 R15=76

Photo Parameters:

Flux = 2014 lm Eff. : 114.83 lm/W Fe = 6.219 W

Electrical parameters:

V = 220.04 V I = 0.08301 A P = 17.54 W PF = 0.9600
 WHITE:ANSI_4000K

Status: Integral T = 39 ms Ip = 51527 (79%)

Model: LIGHTING SOLUTIONS
 Tester:Atanas DAKOV
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:9XBR18LED
 Date:2020-03-04 09:02:14
 Humidity:65.0%
 Remarks:6506