

# 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:** 93TL5020WW/BL

## 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:	No		
Anti-glare shield:	No	Dimmable:	No

## Product parameters

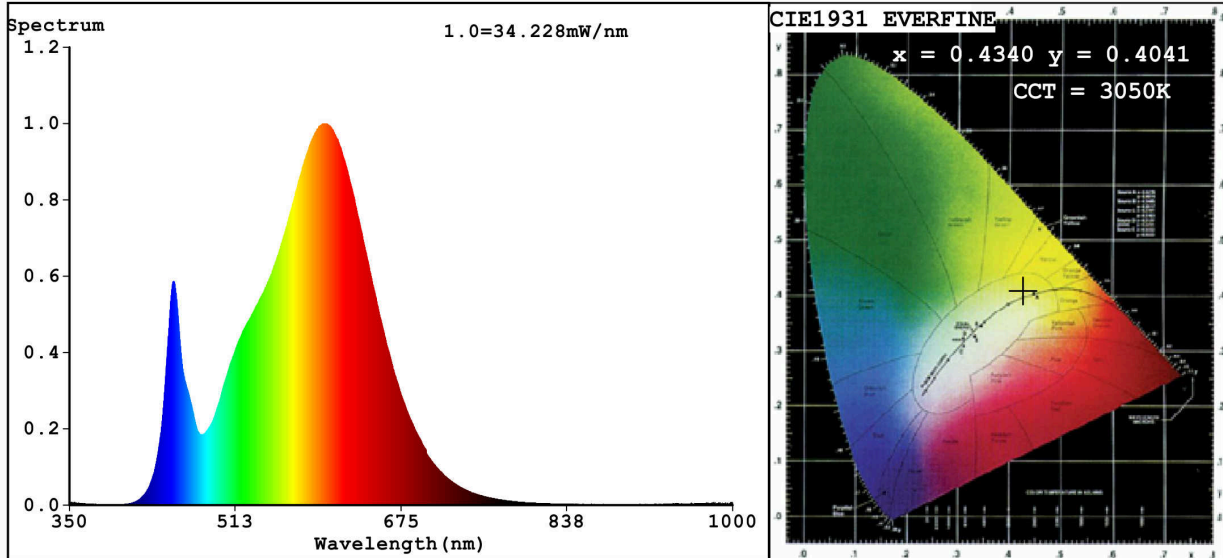
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	20	Energy efficiency class	G
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 400 in Narrow cone (90°)	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	19,3	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	80
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 <sup>(a)</sup>	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,434 0,404	
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	602	Beam angle in degrees, or the range of beam angles that can be set	36	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	0	Survival factor	0,50	
the lumen maintenance factor	0,95			
<b>Parameters for LED and OLED mains light sources:</b>				
displacement factor (cos $\phi$ 1)	0,50	Colour consistency in McAdam ellipses	1	
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	Yes <sup>(b)</sup>	If yes then replacement claim (W)	60	
Flicker metric (Pst LM)	1,0	Stroboscopic effect metric (SVM)	0,4	

(a) : not applicable;

(b) : not applicable;

### Spectrum Test Report



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4340$   $y=0.4041$   $u'=0.2487$   $v'=0.5209$   
 CCT=3050K (Duv=0.0004) Dominant WL:Ld =582.5nm WL:Lc = --nm Purity=51.5%  
 Ratio:R=22.2% G=75.3% B=2.5%; Peak WL:Lp=602.4nm FWHM=125.2nm  
 Render Index:Ra=80.2

R1 =78    R2 =89    R3 =96    R4 =77    R5 =78    R6 =86    R7 =82  
 R8 =55    R9 =0    R10=75    R11=75    R12=65    R13=81    R14=98    R15=70

**Photo Parameters:**

Flux = 1689 lm    Eff. : 87.30 lm/W    Fe = 5.057 W

**Electrical parameters:**

V = 229.94 V    I = 0.1607 A    P = 19.35 W PF = 0.5238  
 WHITE:ANSI\_3000K

Status: Integral T = 22 ms    Ip = 41093 (63%)

Model:TWO LINES SKY TL/20W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:93TL5020WW/BL  
 Date:2019-09-17 09:38:19  
 Humidity:65.0%  
 Remarks:019V013A\_5951