

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: 93TL5020W/WH

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

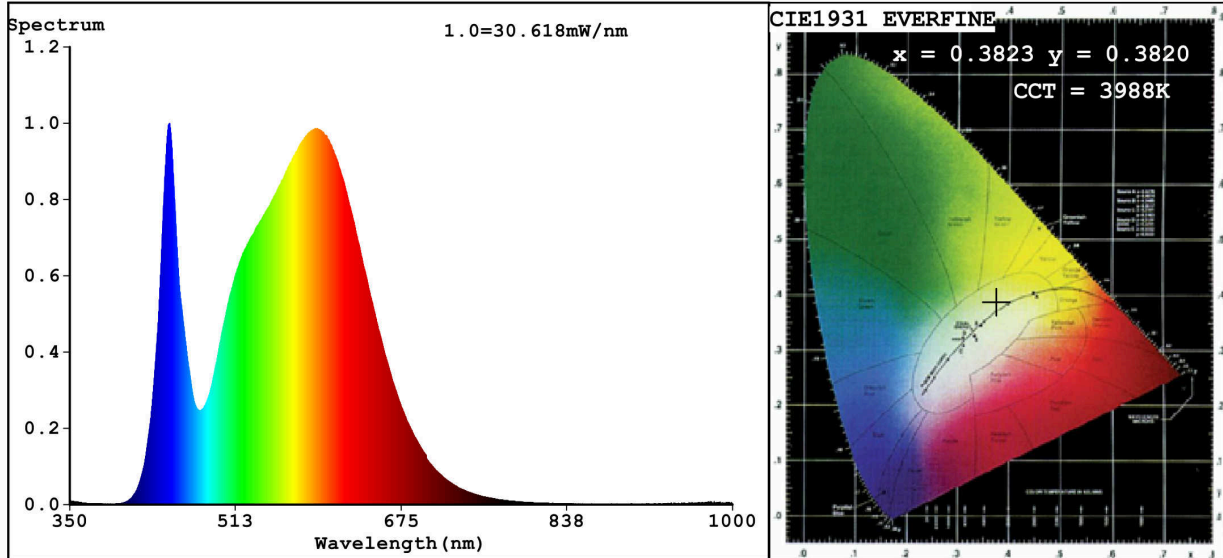
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	20	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 400 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	4 000
On-mode power (P_{on}), expressed in W	19,4	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 ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,382 0,382	
Parameters for directional light sources:				
Peak luminous intensity (cd)	447	Beam angle in degrees, or the range of beam angles that can be set	36	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	1	Survival factor	0,50	
the lumen maintenance factor	0,95			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ 1)	0,50	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)	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: $x=0.3823$ $y=0.3820$ / $u'=0.2243$ $v'=0.5042$
 CCT=3988K (Duv=0.0019) Dominant WL:Ld =578.1nm WL:Lc = --nm Purity=29.4%
 Ratio:R=17.9% G=78.8% B=3.3% ; Peak WL:Lp=447.9nm FWHM=23.5nm
 Render Index:Ra=80.9

R1 =79 R2 =86 R3 =93 R4 =81 R5 =79 R6 =81 R7 =86
 R8 =63 R9 =1 R10=68 R11=79 R12=62 R13=80 R14=96 R15=72

Photo Parameters:

Flux = 1747 lm Eff. : 90.02 lm/W Fe = 5.264 W

Electrical parameters:

V = 229.78 V I = 0.1613 A P = 19.41 W PF = 0.5235

WHITE:ANSI_4000K

Status: Integral T = 28 ms Ip = 46903 (72%)

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

Number:93TL5020W/WH
 Date:2019-09-17 09:03:17
 Humidity:65.0%
 Remarks:O19V013A_5951