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: 93TL5020CW/GR

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

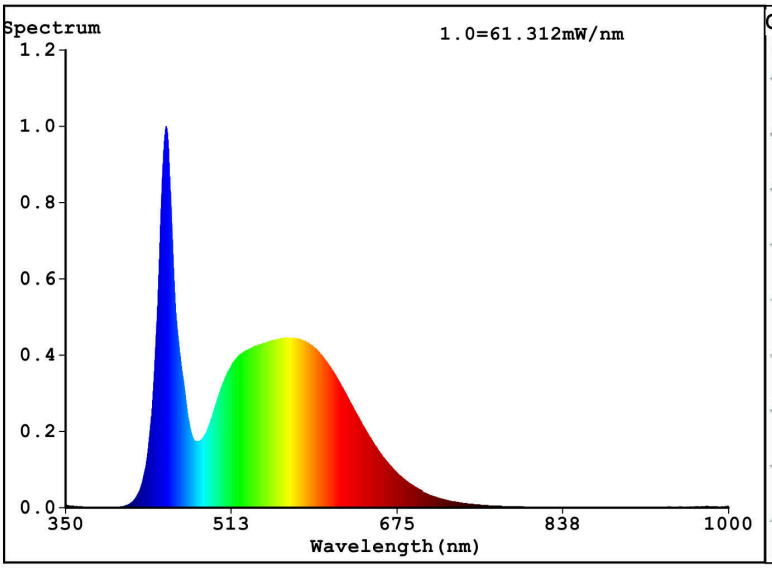
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	20	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	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	6 000
On-mode power (P_{on}), expressed in W	20,0	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	81
Outer dimensions without — Height	125	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	93		
Outer dimensions without — Depth	93		

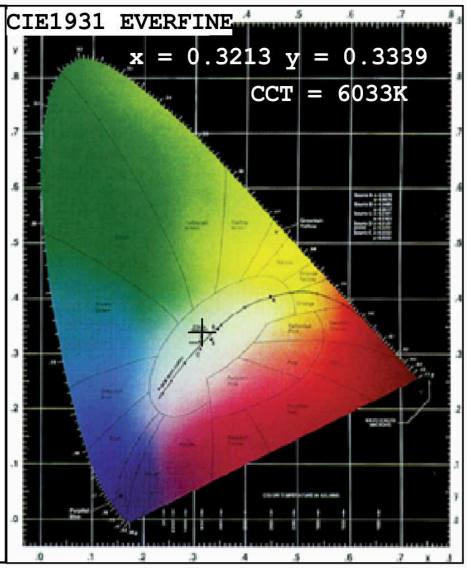
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[a]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,321 0,333
Parameters for directional light sources:				
Peak luminous intensity (cd)		448	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		5	Survival factor	0,50
the lumen maintenance factor		0,95		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		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[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=0.3213 y=0.3339/u'=0.2019 v'=0.4722

CCT=6033K(Duv=0.0015) Dominant WL:Ld =492.4nm Purity=4.0%

Ratio:R=13.9% G=81.2% B=4.9%¡¡Peak WL:Lp=448.6nm FWHM=19.0nm

Render Index:Ra=81.8

R1 =80	R2 =85	R3 =88	R4 =83	R5 =82	R6 =80	R7 =87	
R8 =69	R9 =5	R10=65	R11=83	R12=58	R13=81	R14=93	R15=76

Photo Parameters:

Flux = 1761 lm Eff. : 87.87 lm/W Fe = 5.622 W

Electrical parameters:

V = 229.88 V I = 0.1674 A P = 20.04 W PF = 0.5208

WHITE:ANSI_6500K

Status: Integral T = 14 ms Ip = 47206 (72%)

Model:TWO LINES SKY TL/20W	Number:93TL5020CW/BL
Tester:Petya Marinova	Date:2019-03-07 16:14
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:O18V044A_5438