

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: 98TIVOLI100SMD

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

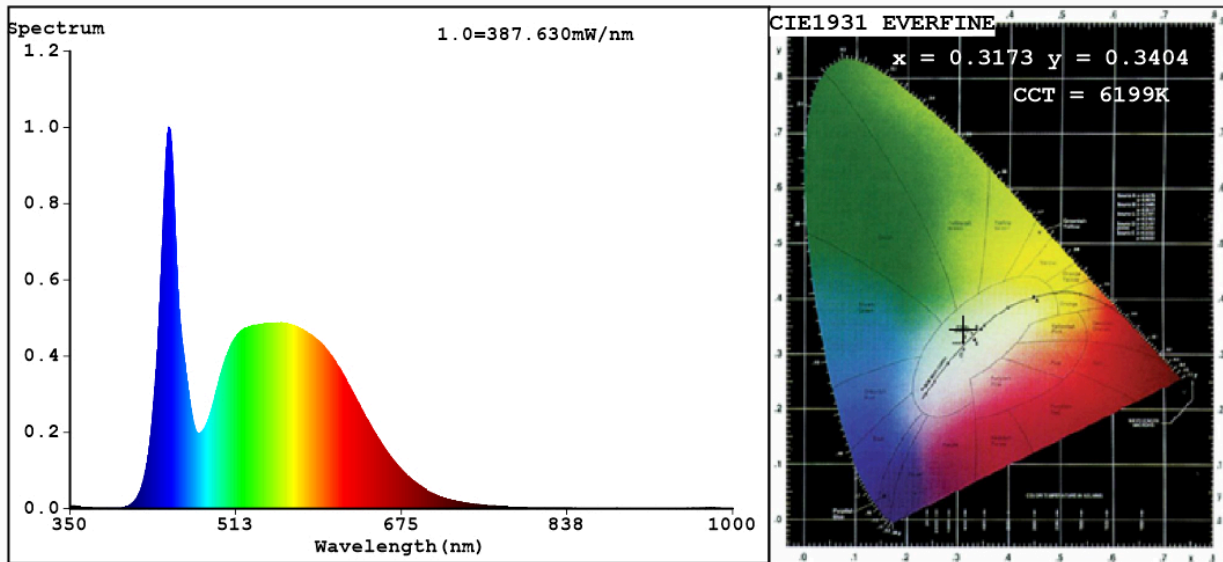
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	100	Energy efficiency class	E
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	11 059 in Sphere (360°)	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	102,5	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 separate control gear, lighting control	Height	485	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	145	
	Depth	65	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,317 0,340
Parameters for directional light sources:			
Peak luminous intensity (cd)	4 719	Beam angle in degrees, or the range of beam angles that can be set	98
Parameters for LED and OLED light sources:			
R9 colour rendering index value	2	Survival factor	0,50
the lumen maintenance factor	0,95		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	0,90	Colour consistency in McAdam ellipses	4
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	-(b)	If yes then replacement claim (W)	-
Flicker metric (Pst LM)	0,4	Stroboscopic effect metric (SVM)	0,2

(a) '-': not applicable;

(b) '-': not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3173$ $y=0.3404$ / $u'=0.1968$ $v'=0.4750$
 CCT=6199K (Duv=0.0067) Dominant WL:Ld =497.5nm WL:Lc = --nm Purity=5.0%
 Ratio:R=13.3% G=81.7% B=5.0%; Peak WL:Lp=447.2nm FWHM=20.3nm
 Render Index:Ra=81.4 AvgR=73.8 TM30:Rf=83 Rg=95 Lav=540.8nm

R1 =79 R2 =84 R3 =89 R4 =83 R5 =81 R6 =80 R7 =87
 R8 =69 R9 =2 R10=63 R11=83 R12=61 R13=80 R14=94 R15=73

Photo Parameters:

Flux = 12287 lm Eff. : 119.93 lm/W Fe = 39.09 W

Electrical parameters:

V = 229.95 V I = 0.4918 A P = 102.5 W PF = 0.9059
 WHITE:ANSI_6500K

Status: Integral T = 3 ms Ip = 47840 (73%)

Model:LED STREET LITHG
 Tester:Atanas DAKOV
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:98TIVOLI100SMD
 Date:2022-04-12 14:11:59
 Humidity:65.0%
 Remarks:MOSTRA