

Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light sources

Supplier's name or trade mark: ELMARK

Supplier's address: ELMARK INDUSTRIES SC, bul.Dobrudja 2, 9300 Dobrich Dobrich, BG

Model identifier: 93TLR503CW/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

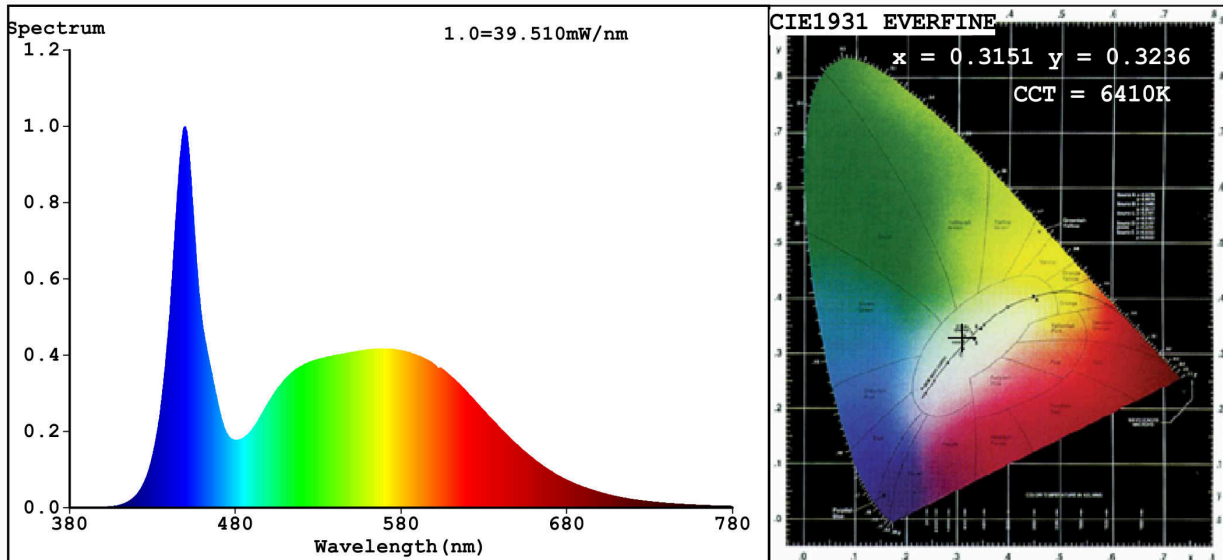
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	10	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 000 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	6 500
On-mode power (P_{on}), expressed in W	10,8	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	83
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)	0,315 0,323
Parameters for directional light sources:				
Peak luminous intensity (cd)	449		Beam angle in degrees, or the range of beam angles that can be set	24
Parameters for LED and OLED light sources:				
R9 colour rendering index value	13		Survival factor	0,50
the lumen maintenance factor	0,93			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,48		Colour consistency in McAdam ellipses	0
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)	0,0		Stroboscopic effect metric (SVM)	0,0

(a) '-': not applicable;

(b) '-': not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3151$ $y=0.3236$ $u'=0.2016$ $v'=0.4658$

CCT=6410K(Duv=-0.0008) Dominant WL:Ld =484.5nm Purity=6.9%

Ratio:R=13.9% G=80.9% B=5.2%; Peak WL:Lp=449.9nm FWHM=19.6nm

Render Index:Ra=83.2

R1 =83 R2 =87 R3 =88 R4 =85 R5 =84 R6 =81 R7 =87
R8 =72 R9 =13 R10=67 R11=84 R12=58 R13=84 R14=93 R15=79

Photo Parameters:

Flux = 1065 lm Eff. : 97.93 lm/W Fe = 3.463 W

Electrical parameters:

V = 230.06 V I = 0.09847 A P = 10.87 W PF = 0.4800

WHITE:ANSI_6500K

Status: Integral T = 27 ms Ip = 58941 (90%)

Model:SKY TLR/10W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:93TLR503CW/WH
Date:2019-06-19 13:15
Humidity:65.0%
Remarks:018V053A_5764