

# 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:** 93TL202520W/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

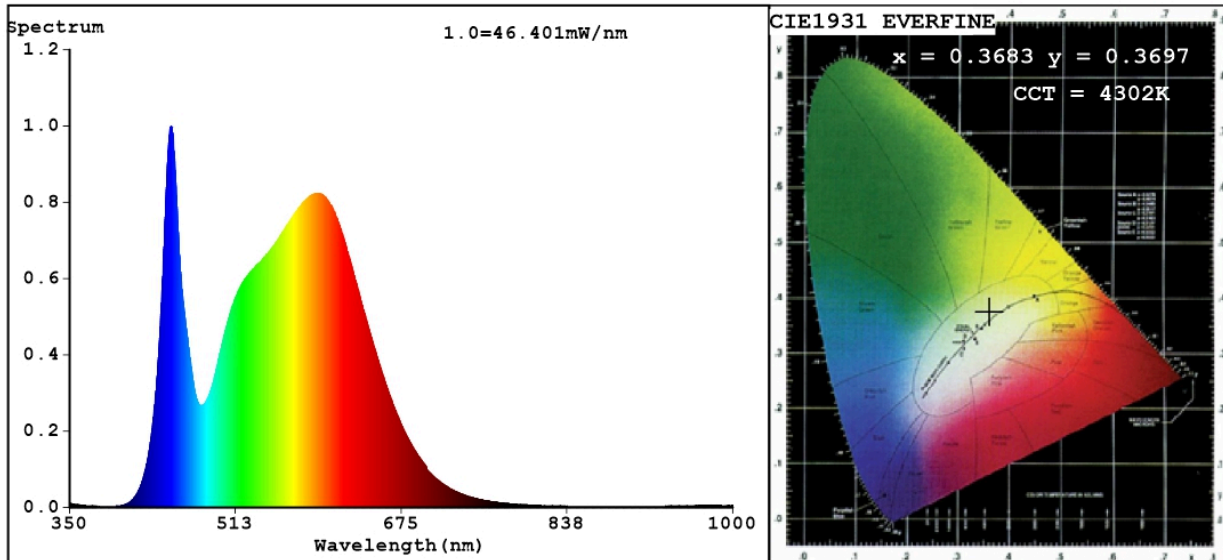
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	23	Energy efficiency class	E
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	2 200 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	22,0	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	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 <sup>(a)</sup>	-		If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,368 0,369
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	449		Beam angle in degrees, or the range of beam angles that can be set	24
<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 $\phi_1$ )	0,40		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)	0,0		Stroboscopic effect metric (SVM)	0,0

(a) '-': not applicable;

(b) '-': not applicable;

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3683$   $y=0.3697$  /  $u'=0.2199$   $v'=0.4966$   
 CCT=4302K (Duv=0.0004) Dominant WL:Ld =577.6nm WL:Lc = --nm Purity=21.5%  
 Ratio:R=17.4% G=78.7% B=3.9% ; Peak WL:Lp=449.6nm FWHM=23.7nm  
 Render Index:Ra=83.4 AvgR=76.7 TM30:Rf=84 Rg=96 Lav=564.6nm

R1 =82	R2 =89	R3 =94	R4 =83	R5 =82	R6 =84	R7 =87	
R8 =66	R9 =9	R10=73	R11=82	R12=63	R13=83	R14=97	R15=76

**Photo Parameters:**

Flux = 2265 lm Eff. : 100.67 lm/W Fe = 6.984 W

**Electrical parameters:**

V = 226.80 V I = 0.2433 A P = 22.50 W PF = 0.4076  
 WHITE:ANSI\_4500K

Status: Integral T = 25 ms Ip = 48047 (73%)

Model: LED TRACK LIGHT  
 Tester:Atanas DAKOV  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:93TL202520W WH  
 Date:2022-02-10 13:46:57  
 Humidity:65.0%  
 Remarks:7806