

# 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:** 93TL202520WW/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

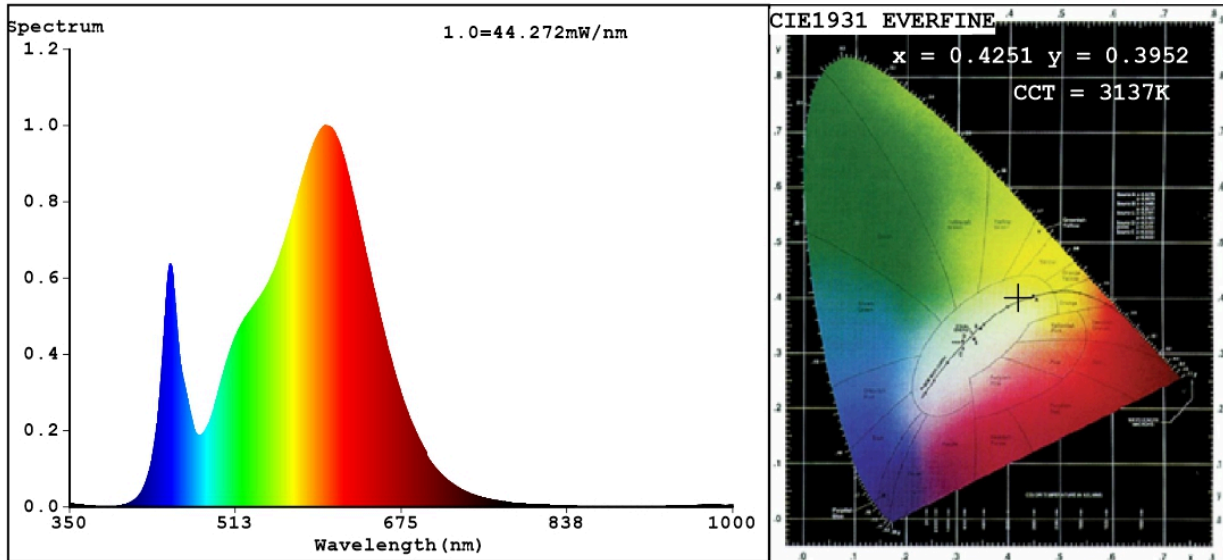
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	23	Energy efficiency class	E
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a 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	3 000
On-mode power ( $P_{on}$ ), expressed in W	23,0	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	82
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)	0,425 0,395
<b>Parameters for directional light sources:</b>			
Peak luminous intensity (cd)	600	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	5	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)	0,6	Stroboscopic effect metric (SVM)	0,2

(a) : not applicable;

(b) : not applicable;

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4251$   $y=0.3952$  /  $u'=0.2467$   $v'=0.5161$   
 CCT=3137K (Duv=-0.0019) Dominant WL:Ld =583.0nm WL:Lc = --nm Purity=46.2%  
 Ratio:R=22.2% G=75.1% B=2.7% ; Peak WL:Lp=600.8nm FWHM=131.1nm  
 Render Index:Ra=82.6 AvgR=77.0 TM30:Rf=83 Rg=97 Lav=585.8nm

R1 =81    R2 =91    R3 =96    R4 =81    R5 =82    R6 =89    R7 =82  
 R8 =59    R9 =5    R10=79    R11=81    R12=73    R13=83    R14=99    R15=74

**Photo Parameters:**

Flux = 2189 lm    Eff. : 93.55 lm/W    Fe = 6.683 W

**Electrical parameters:**

V = 226.79 V    I = 0.2470 A    P = 23.40 W PF = 0.4177

WHITE:ANSI\_3000K

Status: Integral T = 25 ms    Ip = 53706 (82%)

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

Number:93TL202520WW WH  
 Date:2022-02-10 13:50:17  
 Humidity:65.0%  
 Remarks:7806