

# 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:** 93TLBM1540/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

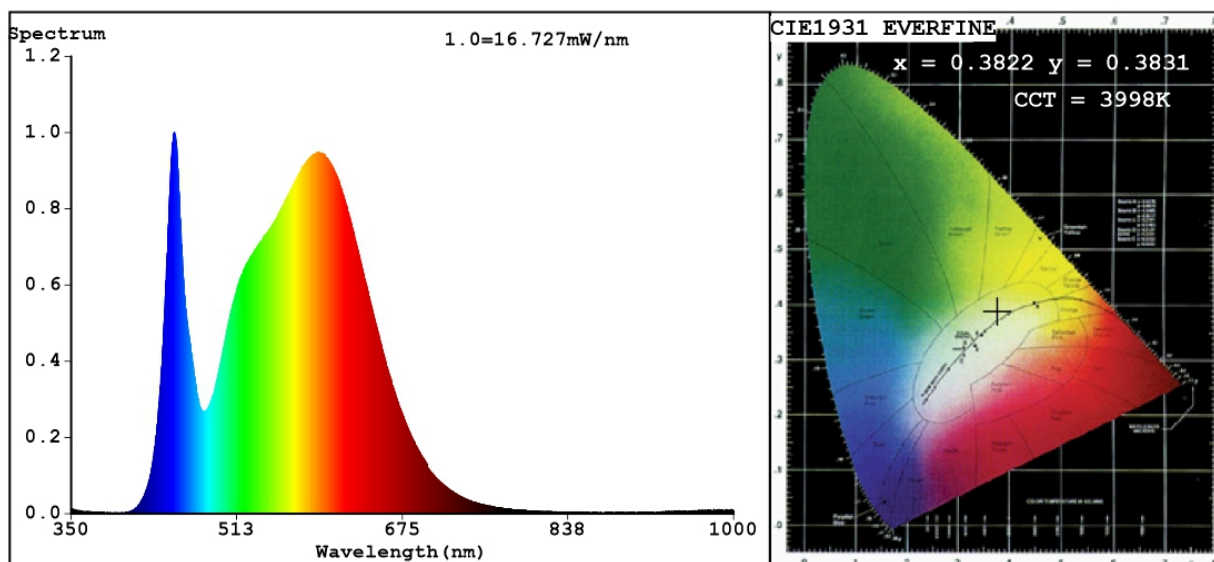
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	15	Energy efficiency class	G
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	900 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	16,0	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)	0,382 0,383	
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	451	Beam angle in degrees, or the range of beam angles that can be set	30	
<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)	0,0	Stroboscopic effect metric (SVM)	0,0	

(a) - : not applicable;

(b) - : not applicable;

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3822$   $y=0.3831$   $u'=0.2238$   $v'=0.5046$

CCT=3998K(Duv=0.0024) Dominant WL:Ld =577.8nm Purity=29.7%

Ratio:R=18.0% G=78.5% B=3.5%; Peak WL:Lp=451.3nm FWHM=22.8nm

Render Index:Ra=82.2

R1 =80	R2 =88	R3 =95	R4 =81	R5 =80	R6 =84	R7 =86
R8 =64	R9 =5	R10=72	R11=80	R12=60	R13=82	R14=97
						R15=74

### Photo Parameters:

Flux = 918.4 lm Eff. : 56.87 lm/W Fe = 2.777 W

### Electrical parameters:

V = 229.97 V I = 0.1475 A P = 16.15 W PF = 0.4761

WHITE:ANSI\_4000K

Status: Integral T = 50 ms Ip = 50865 (78%)

Model:SKY FIXTURES TLBM/15W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:93TLBM1540/WH  
Date:2019-02-14 15:40  
Humidity:65.0%  
Remarks:Î18V039A\_5231