

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: 93TLOM1540/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

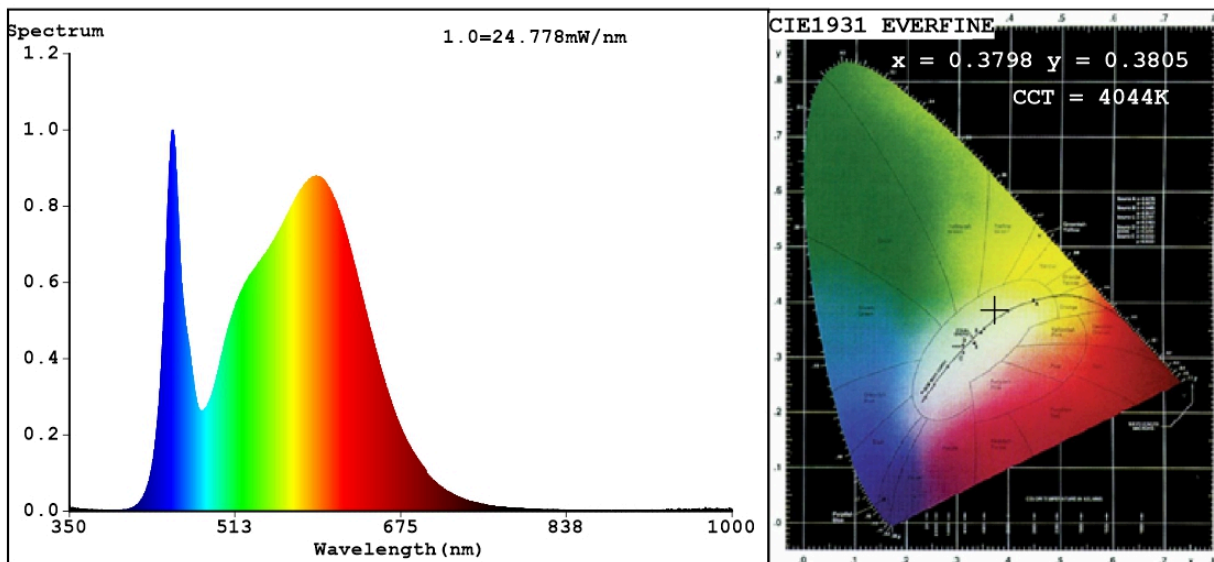
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	15	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 255 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	15,8	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	81
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)	0,379 0,380
Parameters for directional light sources:				
Peak luminous intensity (cd)	451		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	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	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: $x=0.3798$ $y=0.3805$ / $u'=0.2232$ $v'=0.5031$

CCT=4044K (Duv=0.0019) Dominant WL: $\lambda_d = 577.9$ nm Purity=28.2%

Ratio: R=17.9% G=78.5% B=3.6%; Peak WL: $\lambda_p = 451.0$ nm FWHM=21.2nm

Render Index: Ra=81.9

R1 =80 R2 =89 R3 =95 R4 =80 R5 =80 R6 =84 R7 =86
R8 =62 R9 =2 R10=73 R11=79 R12=59 R13=82 R14=97 R15=73

Photo Parameters:

Flux = 1255 lm Eff. : 79.09 lm/W Fe = 3.767 W

Electrical parameters:

V = 229.95 V I = 0.07275 A P = 15.87 W PF = 0.9485

WHITE: ANSI_4000K

Status: Integral T = 32 ms Ip = 44761 (68%)

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

Number: 93TLOM1540/WH
Date: 2019-01-30 16:34
Humidity: 65.0%
Remarks: 018V039A_5167