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/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

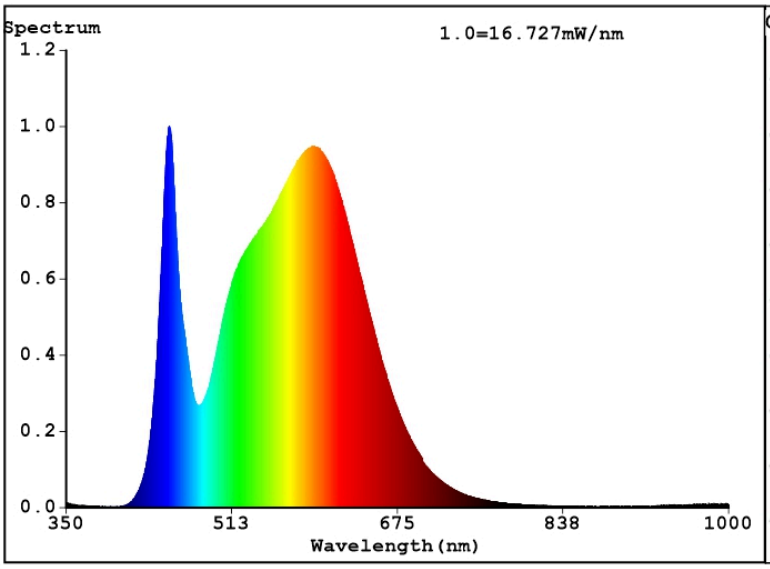
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	15	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	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	118	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	73		
Outer dimensions without — Depth	73		

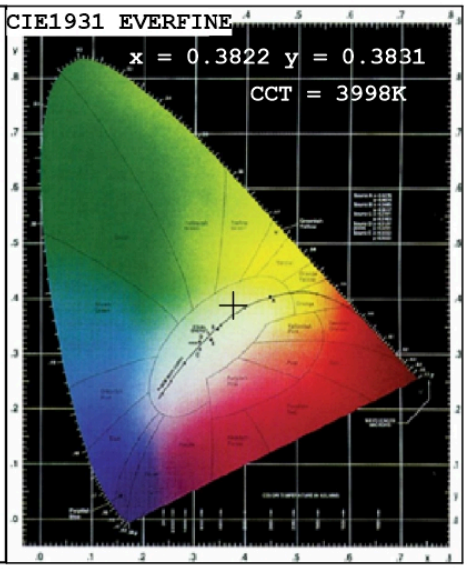
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[a]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,382 0,383
Parameters for directional light sources:				
Peak luminous intensity (cd)		451	Beam angle in degrees, or the range of beam angles that can be set	30
Parameters for LED and OLED light sources:				
R9 colour rendering index value		5	Survival factor	0,50
the lumen maintenance factor		0,95		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		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