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: 99LED445

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	E14		
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

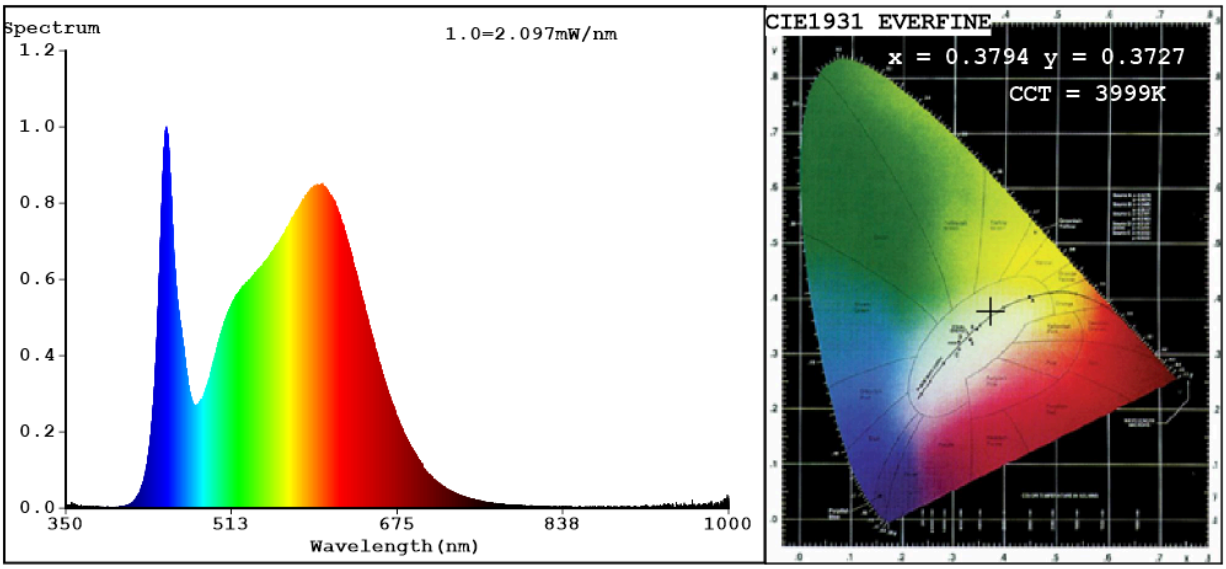
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	2	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	170 in Sphere (360°)	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	2,0	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	86
Outer dimensions without separate control gear, lighting control — Height	63	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Width	25		
Depth	25		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		Yes	If yes, equivalent power (W)	10
			Chromaticity coordinates (x and y)	0,379 0,372
Parameters for LED and OLED light sources:				
R9 colour rendering index value		21	Survival factor	0,50
the lumen maintenance factor		0,93		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,20	Colour consistency in McAdam ellipses	0
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.		Yes[(b)]	If yes then replacement claim (W)	8
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=0.3794 y=0.3727/u'=0.2260 v'=0.4996

CCT=3999K(Duv=-0.0016) Dominant WL:Ld =580.0nm Purity=25.7%

Ratio:R=18.9% G=77.2% B=3.8%¡¡Peak WL:Lp=448.6nm FWHM=21.6nm

Render Index:Ra=86.1

R1 =85	R2 =92	R3 =96	R4 =86	R5 =86	R6 =88	R7 =87	
R8 =69	R9 =21	R10=80	R11=86	R12=69	R13=87	R14=98	R15=80

Photo Parameters:

Flux = 101.9 lm Eff. : 95.33 lm/W Fe = 316.9 mW

Electrical parameters:

V = 229.77 V I = 0.02321 A P = 1.069 W PF = 0.2005

WHITE:ANSI_4000K

Status: Integral T = 444 ms Ip = 51185 (78%)

Model:LEDT25/1W	Number:99LED445
Tester:Petya Marinova	Date:2018-12-19 10:39
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:O18V035B_5150