

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: 99LED446

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
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

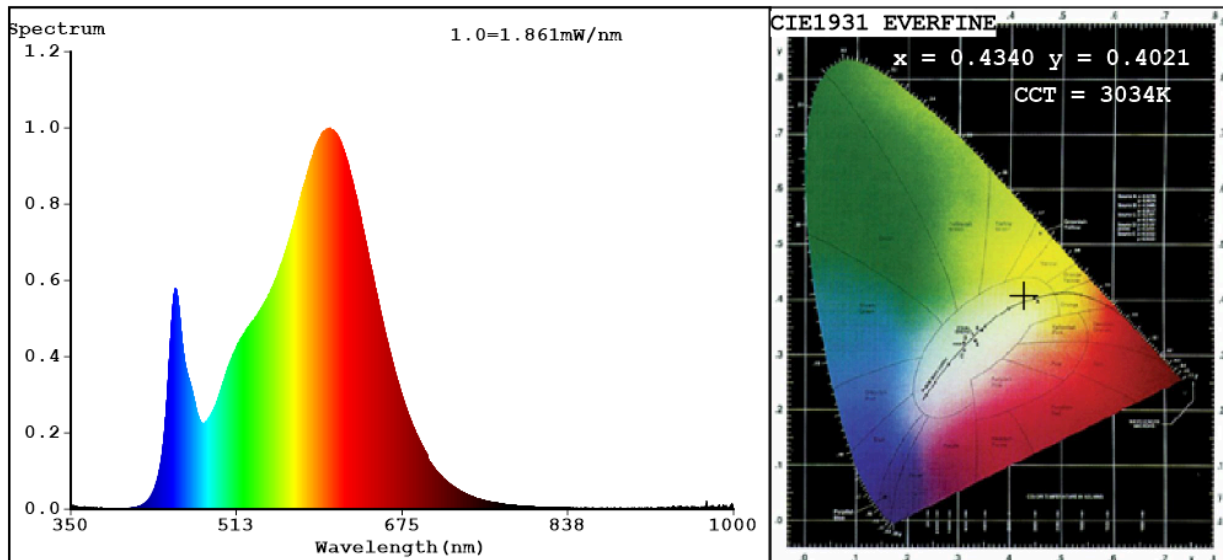
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	2	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	100 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	3 000
On-mode power (P_{on}), expressed in W	1,0	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	83
Outer dimensions without separate control gear, lighting control	Height	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width		
	Depth		

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)	0,434 0,402	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	8	Survival factor	0,50	
the lumen maintenance factor	0,93			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	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)	0,3	

(a) '-': not applicable;

(b) '-': not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4340$ $y=0.4021$ $u'=0.2495$ $v'=0.5202$

CCT=3034K(Duv=-0.0004) Dominant WL:Ld =582.8nm Purity=50.9%

Ratio:R=22.9% G=74.2% B=2.9%; Peak WL:Lp=604.1nm FWHM=124.8nm

Render Index:Ra=83.2

R1 =82	R2 =93	R3 =95	R4 =81	R5 =83	R6 =92	R7 =82
R8 =59	R9 =8	R10=84	R11=80	R12=73	R13=85	R14=98
						R15=74

Photo Parameters:

Flux = 90.35 lm Eff. : 87.95 lm/W Fe = 274.6 mW

Electrical parameters:

V = 229.94 V I = 0.02181 A P = 1.027 W PF = 0.2048

WHITE:ANSI_3000K

Status: Integral T = 318 ms Ip = 37353 (57%)

Model:LEDT25/1W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED446
Date:2018-12-18 11:28
Humidity:65.0%
Remarks:O18V008B_4728