

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: 99LED900

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	E27		
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

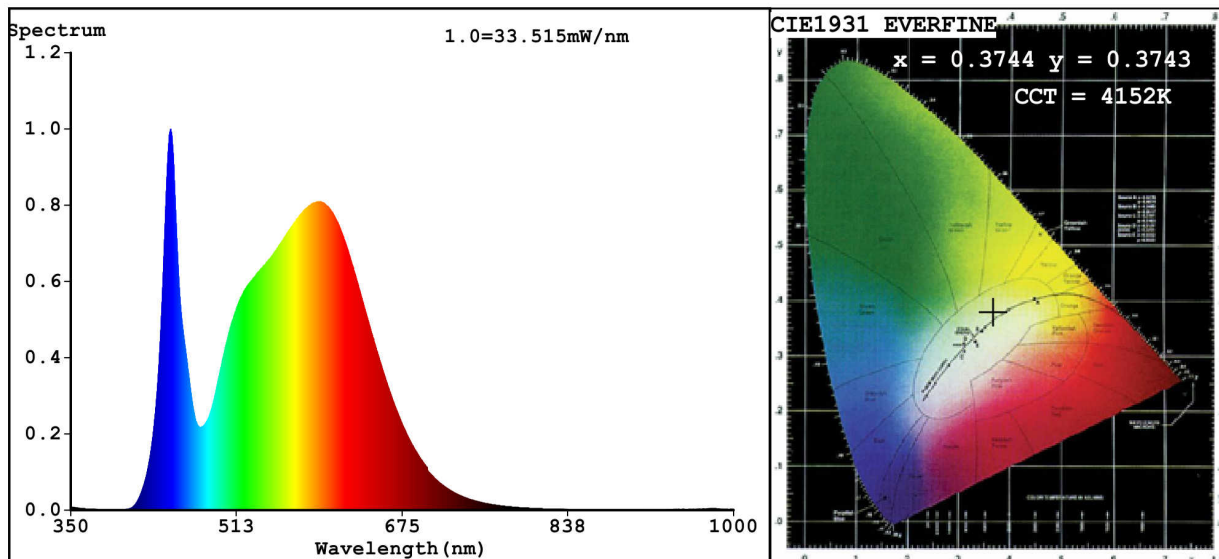
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	15	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 600 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	15,4	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 ^(a)	Yes	If yes, equivalent power (W)	105	
		Chromaticity coordinates (x and y)	0,374 0,374	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	10	Survival factor	0,90	
the lumen maintenance factor	0,93			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,50	Colour consistency in McAdam ellipses	6	
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)	99	
Flicker metric (Pst LM)	0,6	Stroboscopic effect metric (SVM)	0,4	

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3744$ $y=0.3743$ $u'=0.2221$ $v'=0.4996$
 CCT=4152K (Duv=0.0006) Dominant WL: $L_d = 578.1nm$ WL: $L_c = --nm$ Purity=24.7%
 Ratio: R=17.8% G=78.7% B=3.5%; Peak WL: $L_p = 447.9nm$ FWHM=20.3nm
 Render Index: $R_a = 82.6$

R1 =81	R2 =87	R3 =93	R4 =83	R5 =81	R6 =83	R7 =87
R8 =66	R9 =10	R10=70	R11=82	R12=62	R13=82	R14=96 R15=75

Photo Parameters:

Flux = 1608 lm Eff. : 104.37 lm/W Fe = 4.932 W

Electrical parameters:

V = 229.91 V I = 0.1247 A P = 15.41 W PF = 0.5377

WHITE: ANSI_4000K

Status: Integral T = 30 ms Ip = 47418 (72%)

Model: LED STICK/15W
 Tester: Petya Marinova
 Temperature: 25.3Deg
 Manufacturer: ELMARK

Number: 99LED900
 Date: 2019-09-12 11:13:55
 Humidity: 65.0%
 Remarks: 019A006_5953