

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: 99LED524

Type of light source:

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

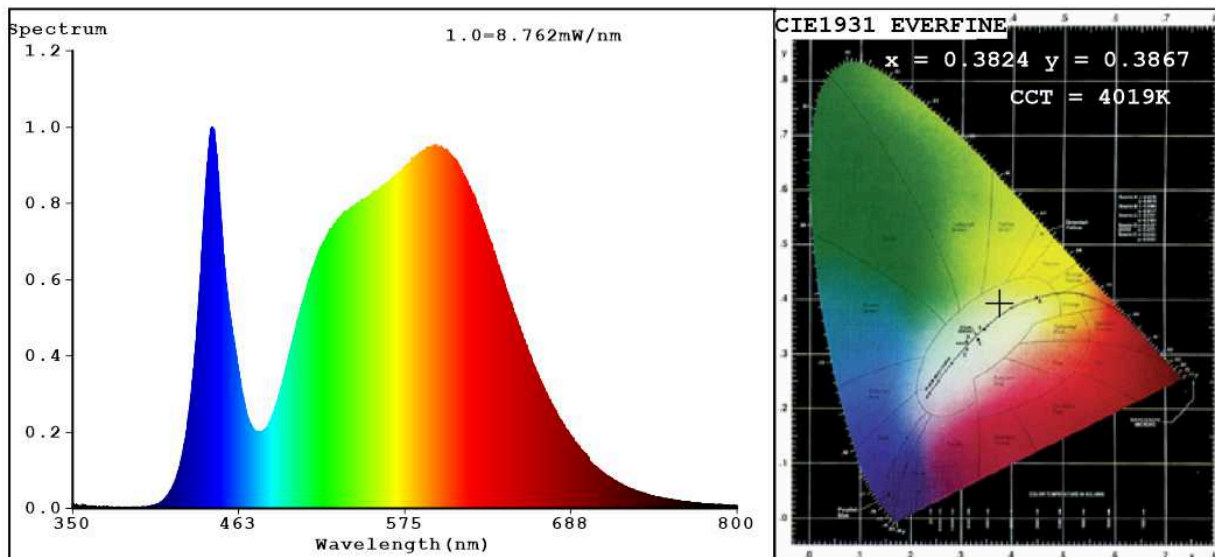
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	6	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	480 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	5,8	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)	Yes	If yes, equivalent power (W)	50	
		Chromaticity coordinates (x and y)	0,382 0,386	
Parameters for directional light sources:				
Peak luminous intensity (cd)	444	Beam angle in degrees, or the range of beam angles that can be set	36	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	7	Survival factor	0,50	
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	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)	45	
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: $x=0.3824$ $y=0.3867$ / $u'=0.2225$ $v'=0.5062$

CCT=4019K (Duv=0.0040) Dominant WL: $L_d = 577.0\text{nm}$ Purity=30.8%

Ratio: R=17.9% G=79.1% B=3.0% ; Peak WL: $L_p=444.5\text{nm}$ FWHM=22.3nm

Render Index: Ra=81.2

R1 =80 R2 =85 R3 =90 R4 =83 R5 =80 R6 =80 R7 =87

R8 =66 R9 =7 R10=64 R11=82 R12=61 R13=80 R14=94 R15=73

Photo Parameters:

Flux = 496.7 lm Eff. : 85.39 lm/W $F_e = 1.489$ W

Electrical parameters:

V = 219.89 V I = 0.05154 A P = 5.817 W PF = 0.5132

WHITE: ANSI_4000K

Status: Integral T = 60 ms $I_p = 45207$ (69%)

Model: LED 7/6W
Tester: Petya Marinova
Temperature: 25.3Deg
Manufacturer: ELMARK

Number: 99LED524
Date: 2014-12-18 08:26
Humidity: 65.0%
Remarks: 1784-31-07-2014