

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: 99LED527

Type of light source:

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

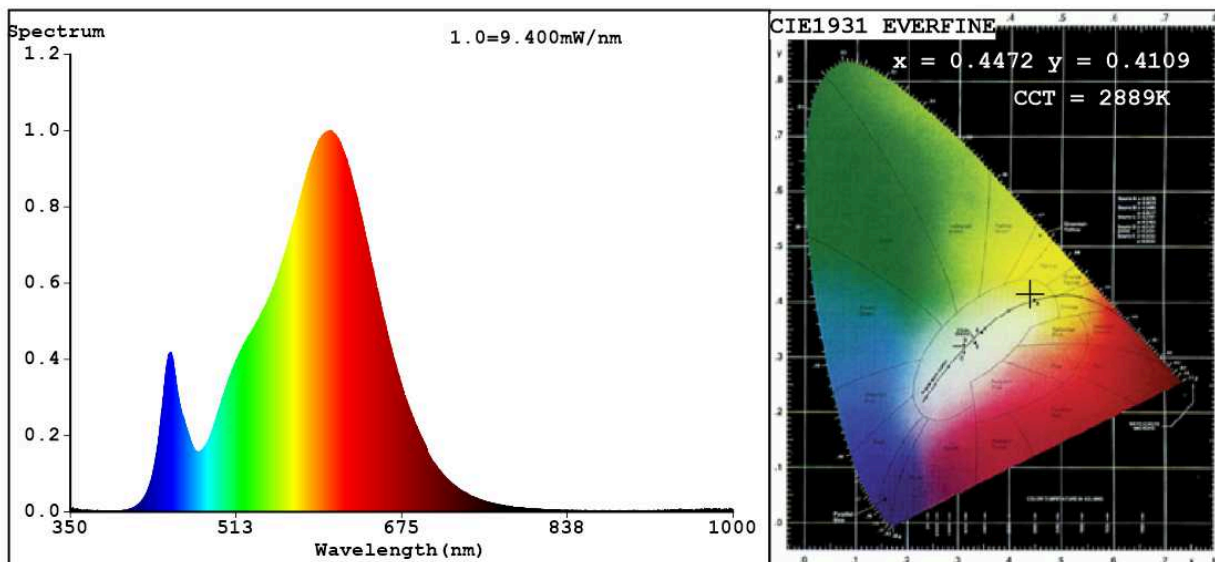
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	6	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	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	3 000
On-mode power (P_{on}), expressed in W	5,4	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	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)	0,447 0,410	
Parameters for directional light sources:				
Peak luminous intensity (cd)	604	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	4	Survival factor	0,50	
the lumen maintenance factor	0,93			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ 1)	0,40	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: $x=0.4472$ $y=0.4109$ / $u'=0.2542$ $v'=0.5256$

CCT=2889K (Duv=0.0014) Dominant WL: $\lambda_d = 582.8\text{nm}$ Purity=57.6%

Ratio: R=23.4% G=74.3% B=2.3% ; Peak WL: $\lambda_p = 604.8\text{nm}$ FWHM=124.7nm

Render Index: Ra=81.6

R1 =79	R2 =89	R3 =97	R4 =80	R5 =80	R6 =87	R7 =83	
R8 =57	R9 =4	R10=76	R11=79	R12=71	R13=81	R14=99	R15=72

Photo Parameters:

Flux = 452.1 lm Eff. : 82.24 lm/W $F_e = 1.378$ W

Electrical parameters:

V = 229.93 V I = 0.05612 A P = 5.497 W PF = 0.4261

WHITE: ANSI_3000K

Status: Integral T = 49 ms $I_p = 42701$ (65%)

Model: LED7/6W
Tester: Petya Marinova
Temperature: 25.3Deg
Manufacturer: ELMARK

Number: 99LED527
Date: 2014-07-08 11:17
Humidity: 65.0%
Remarks: 07.2014