

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: 99LED666

Type of light source:

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

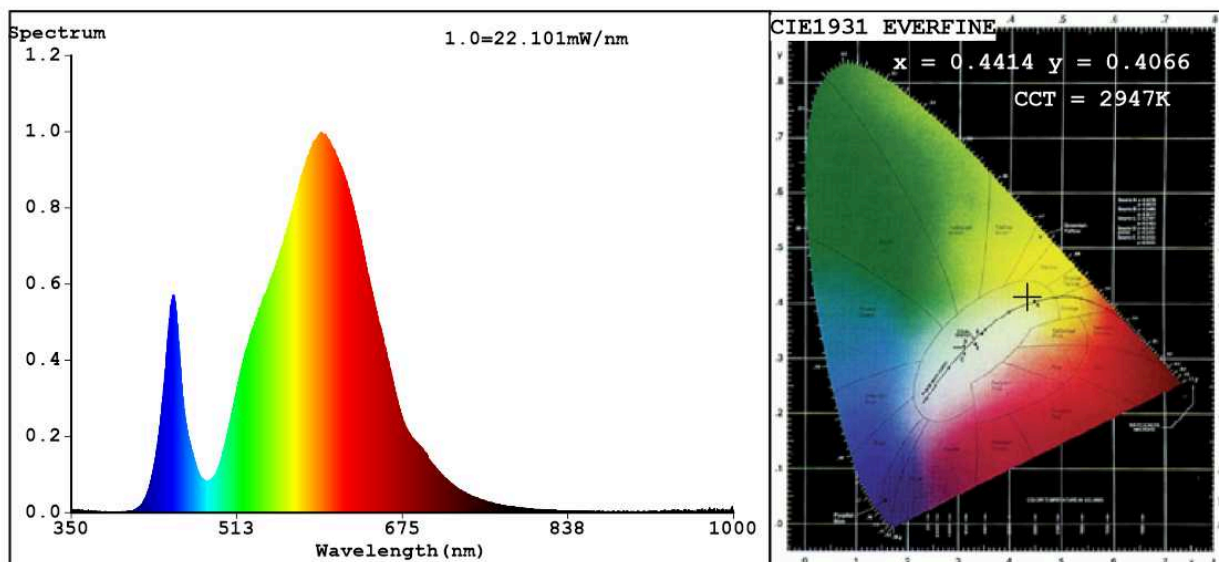
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	9	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 100 in Wide cone (120°)	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	11,0	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	73
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)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,441 0,406	
Parameters for directional light sources:				
Peak luminous intensity (cd)	594	Beam angle in degrees, or the range of beam angles that can be set	120	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	0	Survival factor	0,50	
the lumen maintenance factor	0,93			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	1,00	Colour consistency in McAdam ellipses	0	
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	-(b)	If yes then replacement claim (W)	-	
Flicker metric (Pst LM)	0,0	Stroboscopic effect metric (SVM)	0,0	

(a) - : not applicable;

(b) - : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4414$ $y=0.4066$ $u'=0.2523$ $v'=0.5230$

CCT=2947K (Duv=0.0004) Dominant WL: $\lambda_d = 582.9\text{nm}$ Purity=54.5%

Ratio: R=21.8% G=76.6% B=1.6%; Peak WL: $\lambda_p = 594.8\text{nm}$ FWHM=122.0nm

Render Index: $R_a = 73.4$

R1 = 71	R2 = 82	R3 = 92	R4 = 70	R5 = 69	R6 = 75	R7 = 80
R8 = 49	R9 = 0	R10 = 58	R11 = 65	R12 = 47	R13 = 72	R14 = 95
						R15 = 64

Photo Parameters:

Flux = 1068 lm Eff. : 64.22 lm/W $P_e = 3.117\text{ W}$

Electrical parameters:

V = 12.080 V I = 1.377 A P = 16.63 W PF = 1.000

WHITE: ANSI_3000K

Status: Integral T = 38 ms $I_p = 52667$ (80%)

Model: LED-3528-120-WW/9.6W/m
Tester: Petya Marinova
Temperature: 25.3Deg
Manufacturer: ELMARK

Number: 99LED666
Date: 2018-10-25 15:36
Humidity: 65.0%
Remarks: 018V024A_4839