

# 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:** 99LED660

**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

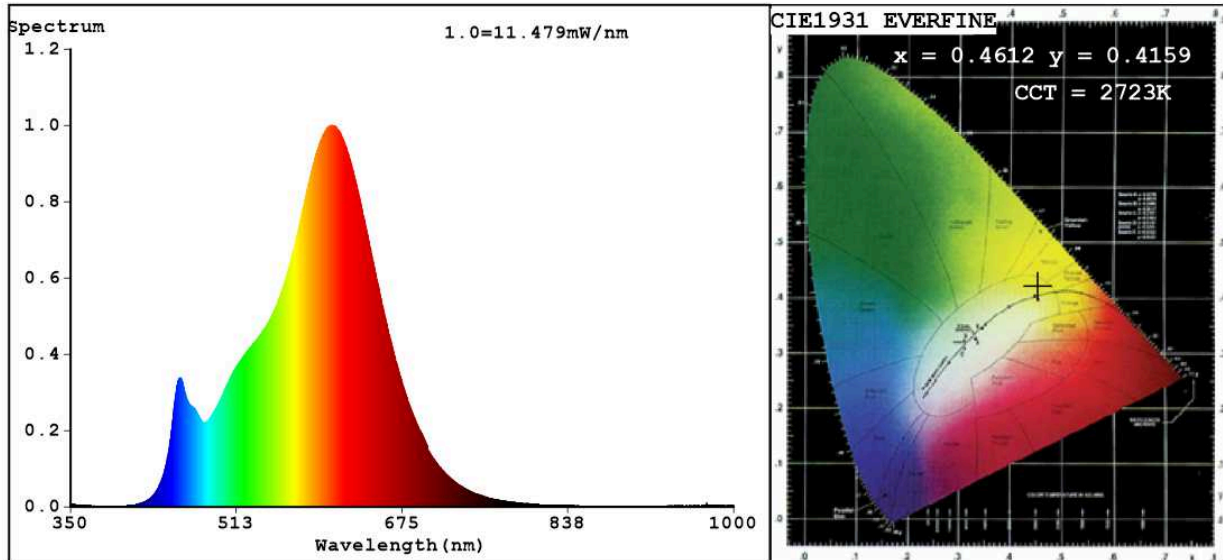
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	4	Energy efficiency class	E
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	500 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	2 700
On-mode power ( $P_{on}$ ), expressed in W	3,8	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	83
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 <sup>(a)</sup>	Yes	If yes, equivalent power (W)	50	
		Chromaticity coordinates (x and y)	0,461 0,415	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	8	Survival factor	0,50	
the lumen maintenance factor	0,95			
<b>Parameters for LED and OLED mains light sources:</b>				
displacement factor (cos $\phi_1$ )	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 <sup>(b)</sup>	If yes then replacement claim (W)	45	
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:  $x=0.4612$   $y=0.4159$   $u'=0.2610$   $v'=0.5296$   
 $CCT=2723K$  (Duv=0.0018) Dominant WL:  $L_d = 583.5nm$  WL:  $L_c = --nm$  Purity=63.3%  
 Ratio: R=25.1% G=72.3% B=2.6% Peak WL:  $L_p = 606.1nm$  FWHM=110.6nm  
 Render Index:  $R_a = 83.3$

R1 =83	R2 =94	R3 =92	R4 =81	R5 =84	R6 =95	R7 =80
R8 =57	R9 =8	R10=88	R11=81	R12=79	R13=86	R14=96 R15=73

### Photo Parameters:

Flux = 517.1 lm Eff. : 133.18 lm/W  $F_e = 1.594 W$

### Electrical parameters:

V = 220.00 V I = 0.03350 A P = 3.883 W PF = 0.5268

WHITE: ANSI\_2700K

Status: Integral T = 86 ms  $I_p = 47616$  (73%)

Model: LEDA60 FILAMENT  
 Tester: Atanas DAKOV  
 Temperature: 25.3Deg  
 Manufacturer: ELMARK

Number: 99LED660  
 Date: 2021-01-27 08:48:58  
 Humidity: 65.0%  
 Remarks: 7191