

# 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:** 99LED8M

**Type of light source:**

Lighting technology used:	LED	Non-directional or directional:	NDLS
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:	Only with specific dimmers

## Product parameters

Parameter	Value	Parameter	Value
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## General product parameters:

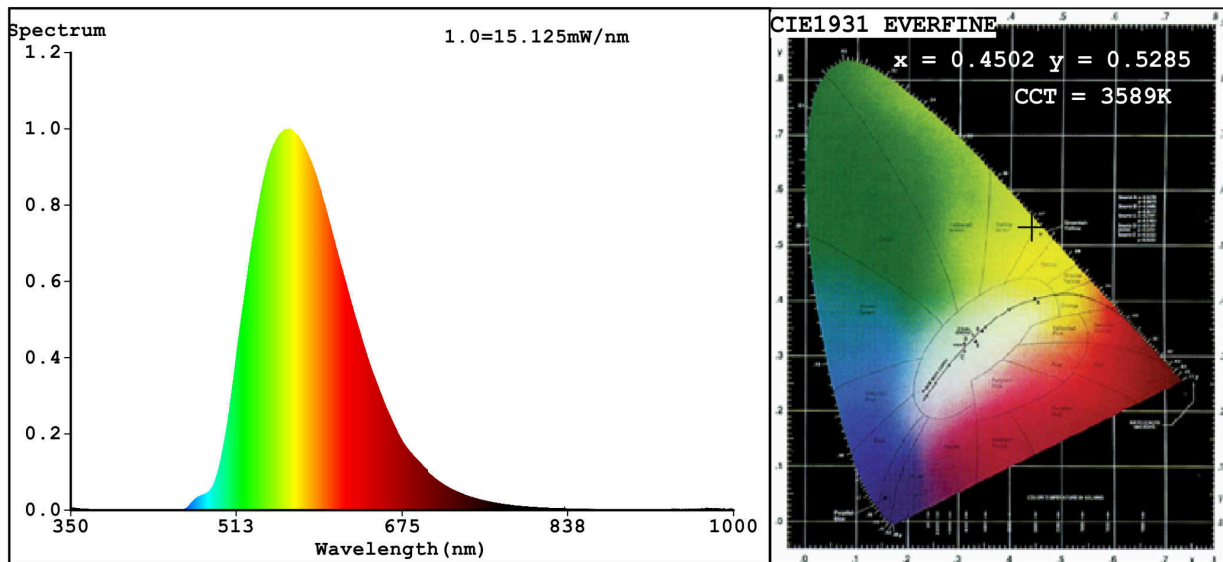
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	8	Energy efficiency class	F
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	800 in Sphere (360°)	Correlated colour temperature, 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	7,3	Standby power ( $P_{sb}$ ), expressed in W and rounded to the second decimal	0,30
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	41
Outer dimensions	Height	Spectral power distribution in the	See image in last page
	Width		

without separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)	Depth	60	range 250 nm to 800 nm, at full-load	
Claim of equivalent power <sup>(a)</sup>		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,450 0,528
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value		0	Survival factor	0,30
the lumen maintenance factor		0,90		
<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.		-(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:  $x=0.4502$   $y=0.5285$   $u'=0.2133$   $v'=0.5635$   
 CCT=3589K (Duv=0.0413) Dominant WL:  $\lambda_d = 572.0\text{nm}$  WL:  $\lambda_c = \text{--nm}$  Purity=94.0%  
 Ratio: R=14.0% G=85.4% B=0.5%; Peak WL:  $\lambda_p = 562.8\text{nm}$  FWHM=112.7nm  
 Render Index: Ra=41.4

R1 =46	R2 =54	R3 =52	R4 =18	R5 =42	R6 =46	R7 =48
R8 =25	R9 =0	R10=4	R11=0	R12=12	R13=46	R14=76 R15=32

### Photo Parameters:

Flux = 810.7 lm Eff. : 110.71 lm/W Fe = 1.843 W

### Electrical parameters:

V = 220.05 V I = 0.06194 A P = 7.323 W PF = 0.5373  
 WHITE:OUT

Status: Integral T = 62 ms Ip = 45220 (69%)

Model: LED MOSQUITO BULB  
 Tester: Atanas DAKOV  
 Temperature: 25.3Deg  
 Manufacturer: ELMARK

Number: 99LED8M  
 Date: 2021-01-25 11:34:53  
 Humidity: 65.0%  
 Remarks: 7279