

# 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:** 99LED854

**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:	Yes		
Anti-glare shield:	No	Dimmable:	No

## Product parameters

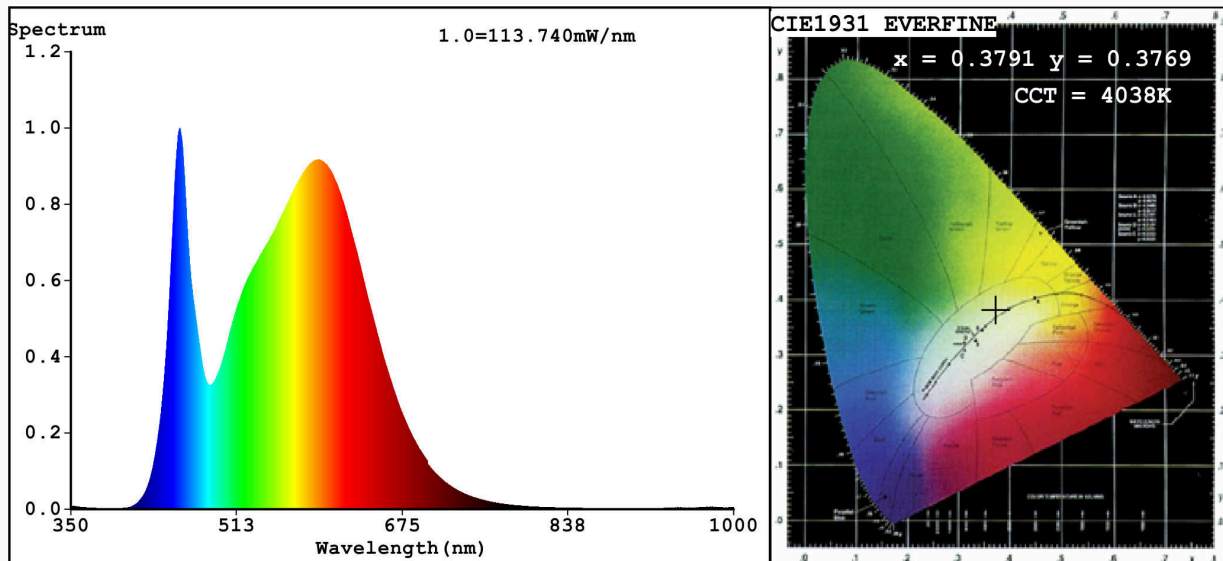
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	60	Energy efficiency class	F
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	5 400 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	60,0	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	82
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)	600	
		Chromaticity coordinates (x and y)	0,379 0,376	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	9	Survival factor	0,40	
the lumen maintenance factor	0,90			
<b>Parameters for LED and OLED mains light sources:</b>				
displacement factor (cos $\phi_1$ )	0,90	Colour consistency in McAdam ellipses	5	
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:  $x=0.3791$   $y=0.3769$   $u'=0.2242$   $v'=0.5015$   
 CCT=4038K (Duv=0.0005) Dominant WL:  $\lambda_d = 578.7\text{nm}$  WL:  $\lambda_c = \text{--nm}$  Purity=26.9%  
 Ratio: R=18.2% G=77.8% B=4.1% Peak WL:  $\lambda_p = 456.7\text{nm}$  FWHM=27.1nm  
 Render Index:  $R_a = 82.9$

R1 =81	R2 =92	R3 =96	R4 =79	R5 =81	R6 =87	R7 =85
R8 =63	R9 =9	R10=78	R11=77	R12=61	R13=84	R14=98 R15=76

### Photo Parameters:

Flux = 5989 lm Eff. : 106.49 lm/W  $\Phi_e = 18.38\text{ W}$

### Electrical parameters:

V = 219.96 V I = 0.2618 A P = 56.24 W PF = 0.9767  
 WHITE:ANSI\_4000K

Status: Integral T = 9 ms  $I_p = 48581$  (74%)

Model:HIGH POWER LED LAMP  
 Tester:Atanas DAKOV  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:99LED854  
 Date:2020-07-15 11:00:20  
 Humidity:65.0%  
 Remarks:6831