

# 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:** 99LED796

**Type of light source:**

Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	GU10		
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

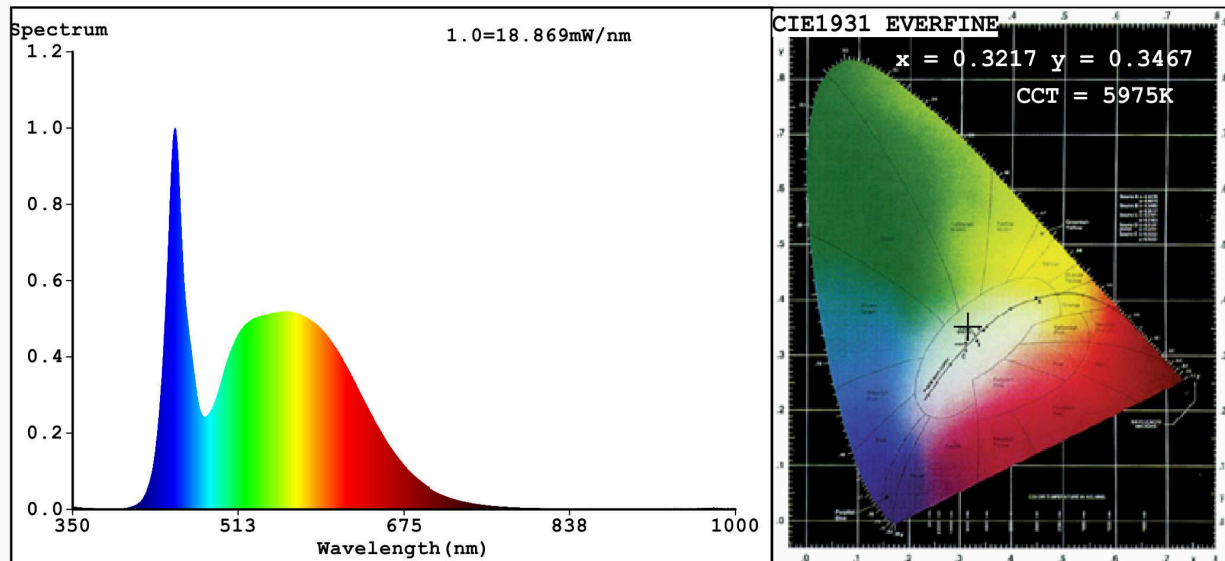
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	6	Energy efficiency class	F
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	550 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	6 000
On-mode power ( $P_{on}$ ), expressed in W	6,5	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)	40	
		Chromaticity coordinates (x and y)	0,321 0,346	
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	450	Beam angle in degrees, or the range of beam angles that can be set	120	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	2	Survival factor	0,90	
the lumen maintenance factor	0,93			
<b>Parameters for LED and OLED mains light sources:</b>				
displacement factor (cos $\phi_1$ )	0,50	Colour consistency in McAdam ellipses	5	
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)	11	
Flicker metric (Pst LM)	0,6	Stroboscopic effect metric (SVM)	0,2	

(a) : not applicable;

(b) : not applicable;

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3217$   $y=0.3467$   $u'=0.1974$   $v'=0.4788$   
 CCT=5975K (Duv=0.0078) Dominant WL:  $\lambda_d = 507.5\text{nm}$  WL:  $\lambda_c = \text{--nm}$  Purity=3.6%  
 Ratio: R=13.5% G=81.3% B=5.2%; Peak WL:  $\lambda_p = 450.6\text{nm}$  FWHM=21.6nm  
 Render Index:  $R_a = 82.1$

R1 =79	R2 =86	R3 =92	R4 =82	R5 =80	R6 =82	R7 =88
R8 =68	R9 =2	R10=68	R11=81	R12=58	R13=81	R14=96 R15=73

### Photo Parameters:

Flux = 636.6 lm Eff. : 84.49 lm/W  $\Phi_e = 2.010\text{ W}$

### Electrical parameters:

V = 219.99 V I = 0.06083 A P = 7.535 W PF = 0.5630

WHITE: ANSI\_5700K

Status: Integral T = 56 ms  $I_p = 44529$  (68%)

Model: LED SMD2835  
 Tester: Atanas DAKOV  
 Temperature: 25.3Deg  
 Manufacturer: ELMARK

Number: 99LED796  
 Date: 2021-02-01 13:40:53  
 Humidity: 65.0%  
 Remarks: 7191