

# 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:** 99LED729

## 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

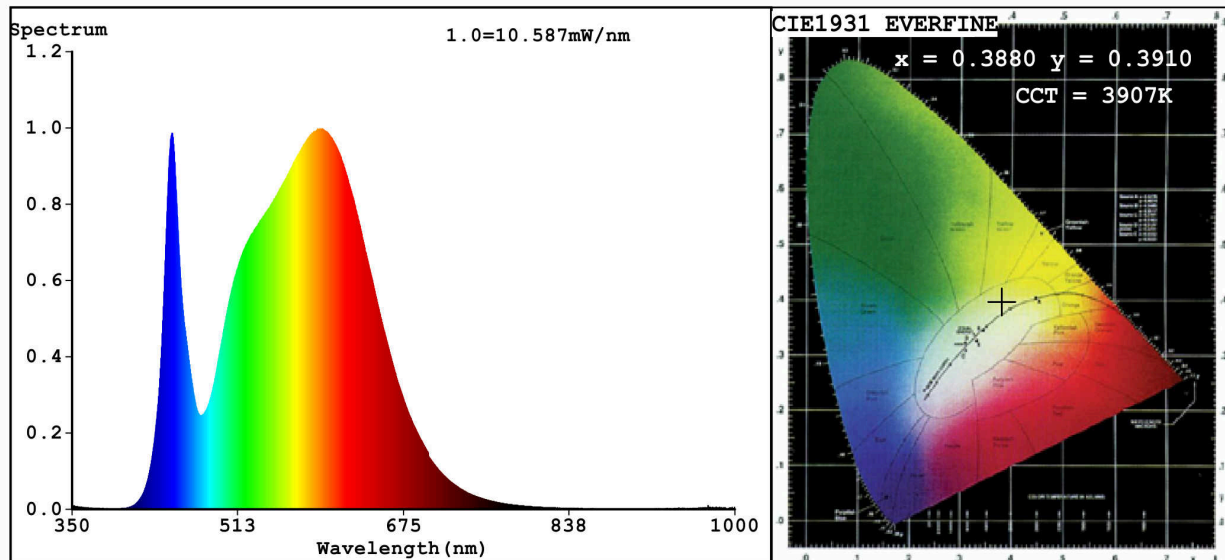
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	6	Energy efficiency class	F
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	540 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	4 000
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 separate control gear, lighting control	Height	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width		
	Depth		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power <sup>(a)</sup>	Yes	If yes, equivalent power (W)	40	
		Chromaticity coordinates (x and y)	0,388 0,391	
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	593	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	7	Survival factor	0,90	
the lumen maintenance factor	0,93			
<b>Parameters for LED and OLED mains light sources:</b>				
displacement factor (cos $\phi_1$ )	0,20	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:  $x=0.3880$   $y=0.3910$   $u'=0.2244$   $v'=0.5088$   
 CCT=3907K (Duv=0.0044) Dominant WL:Ld =577.4nm WL:Lc = --nm Purity=33.8%  
 Ratio:R=18.2% G=78.5% B=3.2%; Peak WL:Lp=593.1nm FWHM=152.8nm  
 Render Index:Ra=82.2

R1 =80	R2 =87	R3 =94	R4 =82	R5 =80	R6 =83	R7 =87
R8 =65	R9 =7	R10=70	R11=81	R12=61	R13=81	R14=96 R15=73

### Photo Parameters:

Flux = 618.8 lm Eff. : 64.57 lm/W Fe = 1.860 W

### Electrical parameters:

V = 219.95 V I = 0.1972 A P = 9.584 W PF = 0.2210

WHITE:ANSI\_4000K

Status: Integral T = 95 ms Ip = 48317 (74%)

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

Number:99LED729  
 Date:2021-04-29 08:45:32  
 Humidity:65.0%  
 Remarks:7377