

# 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:** 99LED982

**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:	NMLS	Connected light source (CLS):	Yes
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	Yes		
Anti-glare shield:	No	Dimmable:	No

## Product parameters

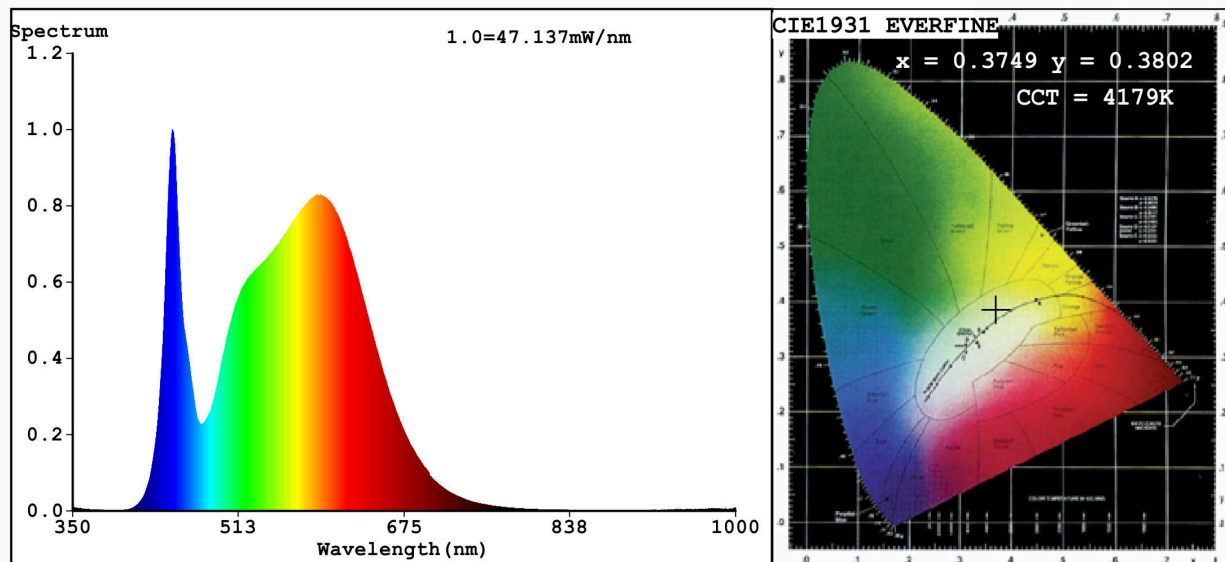
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	9	Energy efficiency class	E
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	2 200 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	15,6	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	0,00	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>	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,374 0,380	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	4	Survival factor	0,50	
the lumen maintenance factor	1,00			

(a) : not applicable;

(b) : not applicable;

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3749$   $y=0.3802$   $u'=0.2201$   $v'=0.5023$   
 CCT=4179K (Duv=0.0033) Dominant WL:Ld =576.6nm WL:Lc = --nm Purity=26.6%  
 Ratio:R=17.5% G=79.0% B=3.6% ; Peak WL:Lp=447.9nm FWHM=19.3nm  
 Render Index:Ra=82.2 AvgR=75.0 TM30:Rf=84 Rg=95 Lav=566.2nm

R1 =80 R2 =87 R3 =94 R4 =82 R5 =80 R6 =83 R7 =87  
 R8 =64 R9 =4 R10=70 R11=82 R12=61 R13=81 R14=97 R15=73

### Photo Parameters:

Flux = 2319 lm Eff. : 168.94 lm/W Fe = 6.974 W

### Electrical parameters:

V = 23.976 V I = 0.5724 A P = 13.72 W PF = 1.000

WHITE:ANSI\_4000K

Status: Integral T = 24 ms Ip = 46930 (72%)

Model:LED LAMPS AND COMPONENTS  
 Tester:Atanas DAKOV  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:99LED982  
 Date:2021-10-11 13:04:33  
 Humidity:65.0%  
 Remarks: