

# 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:** 99LED841WW

## 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:	NMLS	Connected light source (CLS):	Yes
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	Yes		
Anti-glare shield:	No	Dimmable:	Only with specific dimmers

## Product parameters

Parameter	Value	Parameter	Value
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### General product parameters:

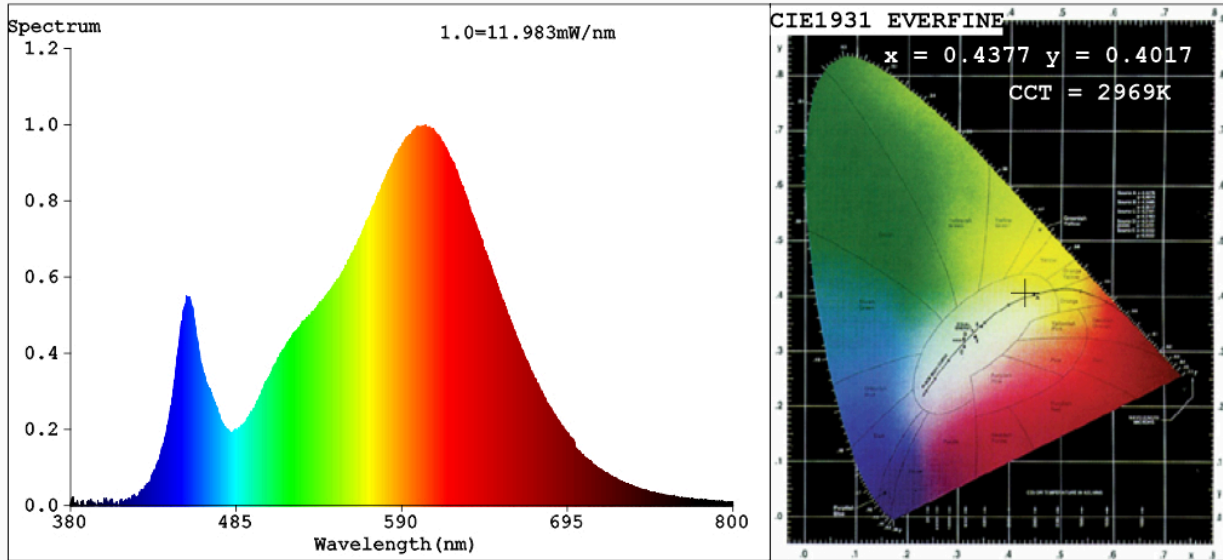
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	7	Energy efficiency class	F
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	550 in Narrow cone (90°)	Correlated colour temperature, rounded to the nearest 100 K, or the range of correlated colour temperatures, rounded to the nearest 100 K, that can be set	3 000
On-mode power ( $P_{on}$ ), expressed in W	6,5	Standby power ( $P_{sb}$ ), expressed in W and rounded to the second decimal	0,20
Networked standby power ( $P_{net}$ ) for CLS, expressed in W and rounded to the second decimal	0,20	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, light-	Height	53	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	50	
	Depth	50	
			See image in last page

ing control parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power <sup>(a)</sup>	Yes	If yes, equivalent power (W)	45	
		Chromaticity coordinates (x and y)	0,437 0,401	
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	350	Beam angle in degrees, or the range of beam angles that can be set	45	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	1	Survival factor	0,50	
the lumen maintenance factor	0,95			

(a)<sup>1)</sup> : not applicable;

(b)<sup>1)</sup> : not applicable;

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4377$   $y=0.4017$  /  $u'=0.2520$   $v'=0.5206$   
 CCT=2969K (Duv=-0.0010) Dominant WL:Ld =583.3nm WL:Lc = --nm Purity=51.9%  
 Ratio:R=23.1% G=74.3% B=2.6% Peak WL:Lp=605.1nm FWHM=125.6nm  
 Render Index:Ra=82.2 AvgR=76.6 TM30:Rf=83 Rg=96

R1 =81    R2 =91    R3 =96    R4 =79    R5 =81    R6 =89    R7 =82  
 R8 =58    R9 =7    R10=80    R11=78    R12=70    R13=83    R14=99    R15=74

**Photo Parameters:**

Flux = 577.6 lm    Eff. : 89.02 lm/W    Fe = 1.772 W

**Electrical parameters:**

V = 11.999 V    I = 0.5407 A    P = 6.488 W PF = 1.000  
 LEVEL:OUT    WHITE:ANSI\_3000K  
 Status: Integral T = 2000 ms Ip = 42605 (65%)

**GBT5702**