

# 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:** 99LED831HECW

## 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

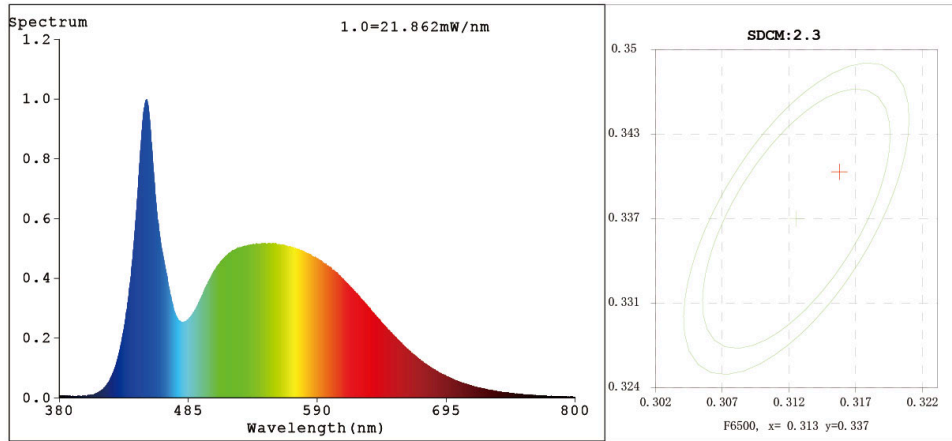
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	7	Energy efficiency class	E
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	700 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	6 300
On-mode power ( $P_{on}$ ), expressed in W	7,2	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	81
Outer dimensions without separate control gear, lighting control	Height	56	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	50	
	Depth	50	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power <sup>(a)</sup>	Yes	If yes, equivalent power (W)	50
		Chromaticity coordinates (x and y)	0,318 0,345
<b>Parameters for directional light sources:</b>			
Peak luminous intensity (cd)	306	Beam angle in degrees, or the range of beam angles that can be set	103
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	0	Survival factor	0,50
the lumen maintenance factor	0,95		
<b>Parameters for LED and OLED mains light sources:</b>			
displacement factor (cos $\phi_1$ )	0,50	Colour consistency in McAdam ellipses	4
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:  $x=0.3162$   $y=0.3405/u'=0.1960$   $v'=0.4749$   
 CCT=6253K (Duv=0.0073) Dominant WL:Ld =497.1nm WL:Lc = --nm Purity=5.4%  
 Ratio:R=13.4% G=81.2% B=5.4% Peak WL:Lp=451.6nm FWHM=23.4nm  
 Render Index:Ra=83.0 AvgR=75.7

R1 =80 R2 =86 R3 =91 R4 =83 R5 =81 R6 =82 R7 =89  
 R8 =71 R9 =10 R10=68 R11=82 R12=59 R13=82 R14=95 R15=75

**Photo Parameters:**

Flux = 732.9 lm Eff. : 108.10 lm/W Fe = 2.366 W

**Electrical parameters:**

V = 230.22 V I = 0.05391 A P = 6.780 W PF = 0.5463  
 LEVEL:OUT WHITE:ANSI\_6500K  
 Status: Integral T = 1726 ms Ip = 50348 (77%)

**GBT5702**

Model:GU10 3  
 Tester:  
 Temperature:25.3Deg  
 Manufacturer:

Number:GU10 3  
 Date:2021-12-27  
 Humidity:65.0%  
 Remarks: