

# 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:** 99LED832HEW

## 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:	Yes		
Anti-glare shield:	No	Dimmable:	No

## Product parameters

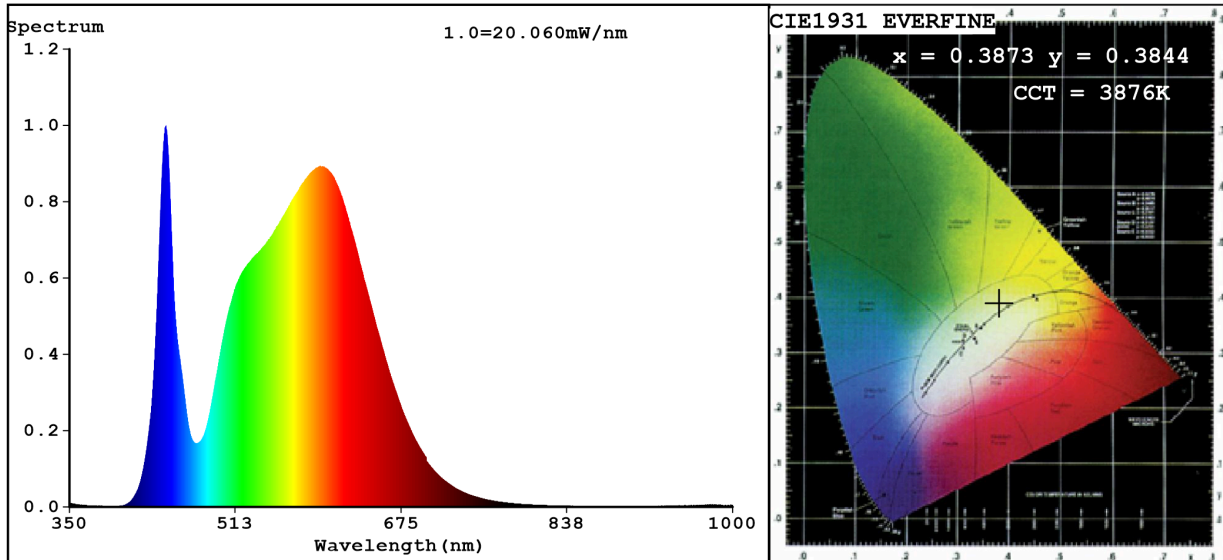
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	9	Energy efficiency class	E
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 000 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	4 000
On-mode power ( $P_{on}$ ), expressed in W	10,0	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	67	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)	75
		Chromaticity coordinates (x and y)	0,387 0,384
<b>Parameters for directional light sources:</b>			
Peak luminous intensity (cd)	1 750	Beam angle in degrees, or the range of beam angles that can be set	38
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	9	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	5
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)	0,5	Stroboscopic effect metric (SVM)	0,2

(a) '-': not applicable;

(b) '-': not applicable;

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3873$   $y=0.3844$  /  $u'=0.2266$   $v'=0.5059$   
 CCT=3876K (Duv=0.0016) Dominant WL:Ld =578.8nm WL:Lc = --nm Purity=31.6%  
 Ratio:R=18.6% G=78.4% B=3.0% ; Peak WL:Lp=444.5nm FWHM=18.4nm  
 Render Index:Ra=82.0

R1 =81    R2 =86    R3 =92    R4 =83    R5 =81    R6 =82    R7 =86  
 R8 =66    R9 =9    R10=68    R11=84    R12=65    R13=81    R14=95    R15=74

**Photo Parameters:**

Flux = 1036 lm    Eff. : 103.61 lm/W    Fe = 3.154 W

**Electrical parameters:**

V = 229.50 V    I = 0.07829 A    P = 10.00 W PF = 0.5566

WHITE:ANSI\_4000K

Status: Integral T = 43 ms    Ip = 37655 (57%)

Model:LED GU10  
 Tester:Atanas DAKOV  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:99LED832HEW  
 Date:2022-09-23 16:28:02  
 Humidity:65.0%  
 Remarks:8756