

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: 99LED832W

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

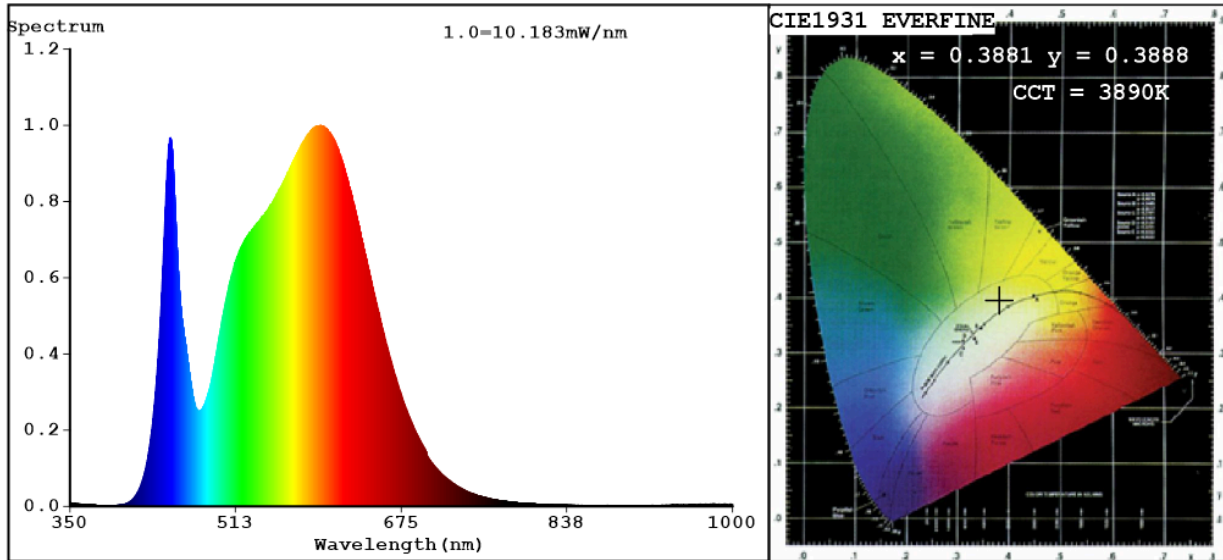
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	7	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	540 in 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	6,7	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	83
Outer dimensions without separate control gear, lighting control	Height	57	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 ^(a)	Yes	If yes, equivalent power (W)	40
		Chromaticity coordinates (x and y)	0,388 0,388
Parameters for directional light sources:			
Peak luminous intensity (cd)	729	Beam angle in degrees, or the range of beam angles that can be set	51
Parameters for LED and OLED light sources:			
R9 colour rendering index value	9	Survival factor	0,50
the lumen maintenance factor	0,95		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	0,54	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 ^(b)	If yes then replacement claim (W)	40
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: $x=0.3881$ $y=0.3888$ / $u'=0.2253$ $v'=0.5079$
 CCT=3890K (Duv=0.0034) Dominant WL: $L_d = 577.9\text{nm}$ WL: $L_c = \text{--nm}$ Purity=33.1%
 Ratio: R=18.5% G=78.2% B=3.3% ; Peak WL: $L_p = 596.1\text{nm}$ FWHM=153.5nm
 Render Index: $R_a = 83.1$

R1 =81 R2 =88 R3 =94 R4 =83 R5 =81 R6 =84 R7 =87
 R8 =66 R9 =9 R10=72 R11=83 R12=64 R13=82 R14=97 R15=74

Photo Parameters:

Flux = 591.4 lm Eff. : 87.92 lm/W $P_e = 1.788$ W

Electrical parameters:

V = 229.32 V I = 0.05275 A P = 6.726 W PF = 0.5561

WHITE:ANSI_4000K

Status: Integral T = 102 ms $I_p = 51105$ (78%)

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

Number:99LED832W
 Date:2022-09-26 08:56:37
 Humidity:65.0%
 Remarks:8756