

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: 99LED910

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	E27		
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

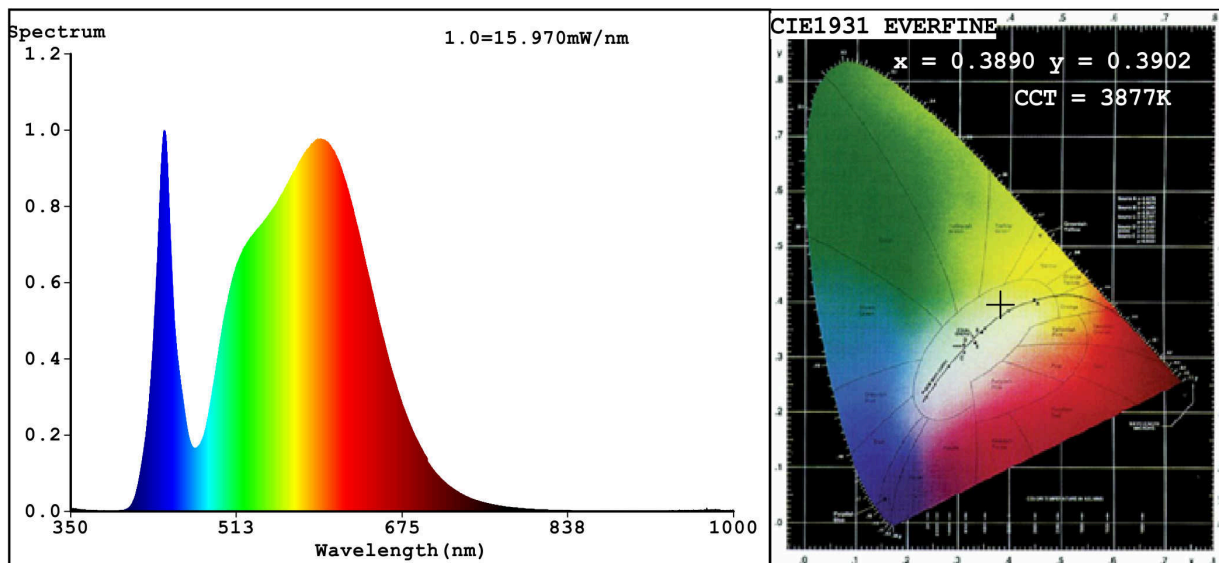
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	8	Energy efficiency class	E
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	900 in Sphere (360°)	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	8,0	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	81
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 ^(a)	Yes	If yes, equivalent power (W)	60	
		Chromaticity coordinates (x and y)	0,389 0,390	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	6	Survival factor	0,90	
the lumen maintenance factor	0,93			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_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.	Yes ^(b)	If yes then replacement claim (W)	14	
Flicker metric (Pst LM)	0,6	Stroboscopic effect metric (SVM)	0,2	

(a) '-': not applicable;

(b) '-': not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3890$ $y=0.3902$ $u'=0.2254$ $v'=0.5086$
 CCT=3877K (Duv=0.0037) Dominant WL: $\lambda_d = 577.8\text{nm}$ WL: $\lambda_c = \text{--nm}$ Purity=33.9%
 Ratio: R=18.4% G=78.7% B=2.9% ; Peak WL: $\lambda_p = 441.7\text{nm}$ FWHM=19.7nm
 Render Index: $R_a = 81.4$

R1 =80	R2 =85	R3 =91	R4 =83	R5 =80	R6 =81	R7 =86
R8 =65	R9 =6	R10=66	R11=84	R12=66	R13=80	R14=95
						R15=72

Photo Parameters:

Flux = 913.4 lm Eff. : 108.66 lm/W $P_e = 2.760$ W

Electrical parameters:

$V = 219.94$ V $I = 0.06956$ A $P = 8.406$ W PF = 0.5495
 WHITE: ANSI_4000K

Status: Integral T = 62 ms $I_p = 47101$ (72%)

Model: LED GLOBE G45
 Tester: Atanas DAKOV
 Temperature: 25.3Deg
 Manufacturer: ELMARK

Number: 99LED910
 Date: 2021-01-29 13:48:56
 Humidity: 65.0%
 Remarks: 7292