

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: 99LED967CW

Type of light source:

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

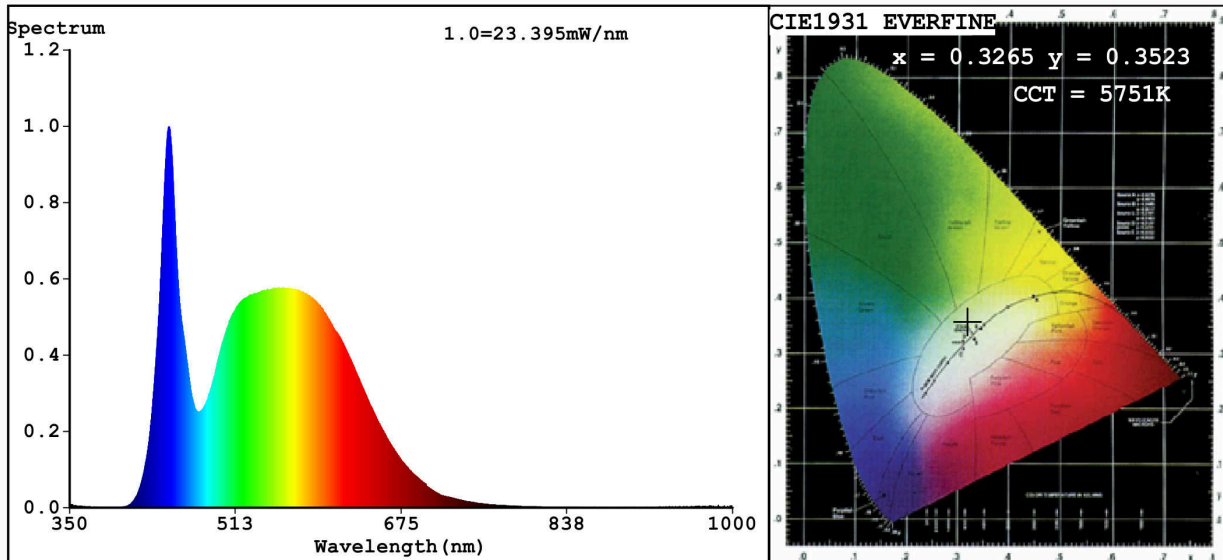
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	12	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	890 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	6 000
On-mode power (P_{on}), expressed in W	12,7	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	81
Outer dimensions without separate control gear, lighting control	Height	175	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	155	
	Depth	13	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,326 0,352
Parameters for directional light sources:			
Peak luminous intensity (cd)	446	Beam angle in degrees, or the range of beam angles that can be set	120
Parameters for LED and OLED light sources:			
R9 colour rendering index value	0	Survival factor	0,50
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.	-(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: $x=0.3265$ $y=0.3523$ / $u'=0.1987$ $v'=0.4823$

CCT=5751K(Duv=0.0083) Dominant WL:Ld =531.4nm Purity=4.1%

Ratio:R=13.8% G=81.4% B=4.9% ; Peak WL:Lp=446.9nm FWHM=22.6nm

Render Index:Ra=81.6

R1 =78	R2 =85	R3 =91	R4 =82	R5 =80	R6 =81	R7 =87	
R8 =67	R9 =0	R10=65	R11=82	R12=63	R13=80	R14=95	R15=72

Photo Parameters:

Flux = 883.5 lm Eff. : 69.42 lm/W Fe = 2.767 W

Electrical parameters:

V = 230.00 V I = 0.1080 A P = 12.73 W PF = 0.5126

WHITE:OUT

Status: Integral T = 29 ms Ip = 37300 (57%)

Model:LED PANEL SQUARE/12W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED967CW
Date:2018-08-20 13:05
Humidity:65.0%
Remarks:O18V019A_4809