

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: 99LED960CW

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:	Yes		
Anti-glare shield:	No	Dimmable:	No

Product parameters

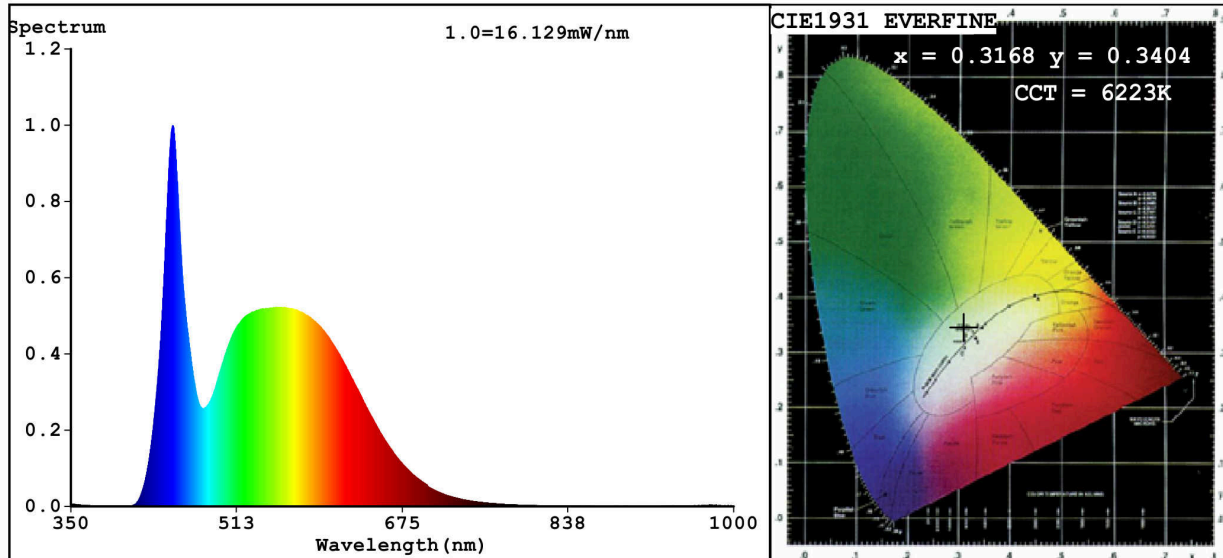
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	6	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	550 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	6 223
On-mode power (P_{on}), expressed in W	6,0	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	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)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,316 0,340	
Parameters for directional light sources:				
Peak luminous intensity (cd)	172	Beam angle in degrees, or the range of beam angles that can be set	108	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	4	Survival factor	0,40	
the lumen maintenance factor	0,90			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_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)	1,0	Stroboscopic effect metric (SVM)	0,4	

(a), - : not applicable;

(b), - : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3168$ $y=0.3404$ $u'=0.1965$ $v'=0.4749$
 CCT=6223K (Duv=0.0069) Dominant WL: $L_d = 497.3\text{nm}$ WL: $L_c = \text{--nm}$ Purity=5.2%
 Ratio: R=13.4% G=81.3% B=5.3%; Peak WL: $L_p = 449.9\text{nm}$ FWHM=23.8nm
 Render Index: $R_a = 82.5$

R1 =80	R2 =86	R3 =91	R4 =83	R5 =81	R6 =82	R7 =88
R8 =69	R9 =4	R10=68	R11=82	R12=60	R13=81	R14=95 R15=74

Photo Parameters:

Flux = 550.6 lm Eff. : 102.24 lm/W Fe = 1.760 W

Electrical parameters:

V = 219.99 V I = 0.04515 A P = 5.385 W PF = 0.5421
 WHITE: ANSI_6500K

Status: Integral T = 74 ms Ip = 45933 (70%)

Model: LED PANEL ROUND
 Tester: Atanas DAKOV
 Temperature: 25.3Deg
 Manufacturer: ELMARK

Number: 99LED960CW
 Date: 2021-03-17 08:48:40
 Humidity: 65.0%
 Remarks: 7455