

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: 99LED962CW

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

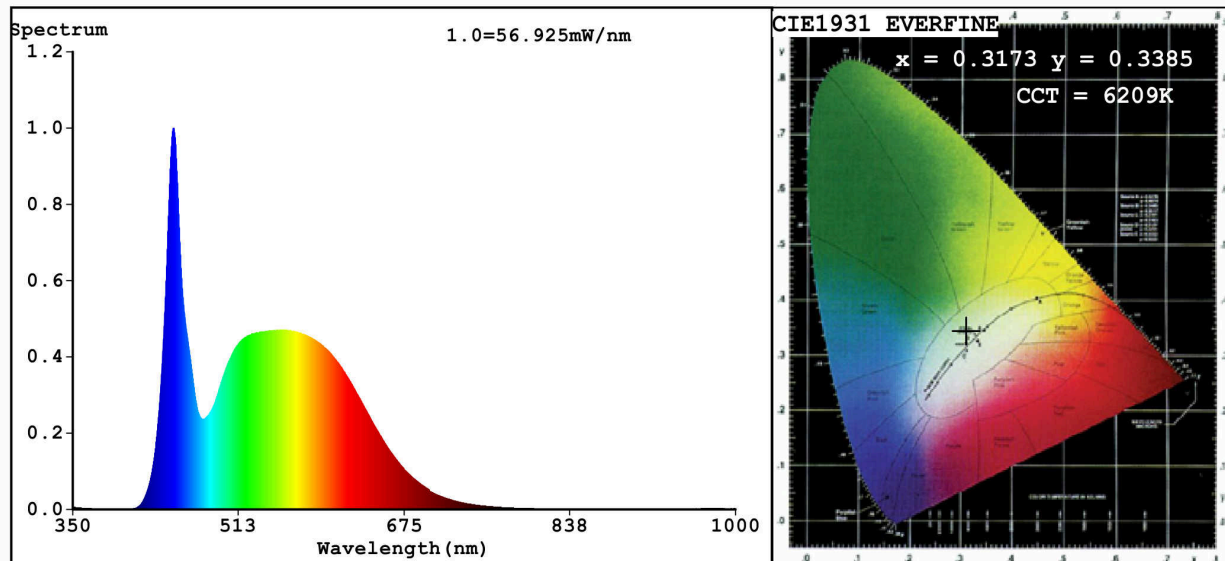
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 530 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	6 500
On-mode power (P_{on}), expressed in W	18,0	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	84
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)	0,317 0,338	
Parameters for directional light sources:				
Peak luminous intensity (cd)	511	Beam angle in degrees, or the range of beam angles that can be set	110	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	13	Survival factor	1,00	
the lumen maintenance factor	0,40			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,30	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: $x=0.3173$ $y=0.3385$ $u'=0.1974$ $v'=0.4740$
 CCT=6209K (Duv=0.0058) Dominant WL: $L_d = 495.9nm$ WL: $L_c = --nm$ Purity=5.1%
 Ratio: R=13.7% G=80.8% B=5.4% Peak WL: $L_p = 449.2nm$ FWHM=20.5nm
 Render Index: $R_a = 84.1$ AvgR=77.2 TM30: $R_f = 85$ $R_g = 95$ $L_{av} = 541.5nm$

R1 =82	R2 =87	R3 =92	R4 =85	R5 =83	R6 =83	R7 =89
R8 =72	R9 =13	R10=71	R11=84	R12=62	R13=83	R14=96 R15=77

Photo Parameters:

Flux = 1771 lm Eff. : 96.07 lm/W $P_e = 5.705 W$

Electrical parameters:

V = 225.19 V I = 0.2271 A P = 18.44 W PF = 0.3605
 WHITE: ANSI_6500K

Status: Integral T = 24 ms $I_p = 54129 (83\%)$

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

Number: 99LED962CW
 Date: 2021-07-07 11:04:59
 Humidity: 65.0%
 Remarks: