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: 99LED961CW

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

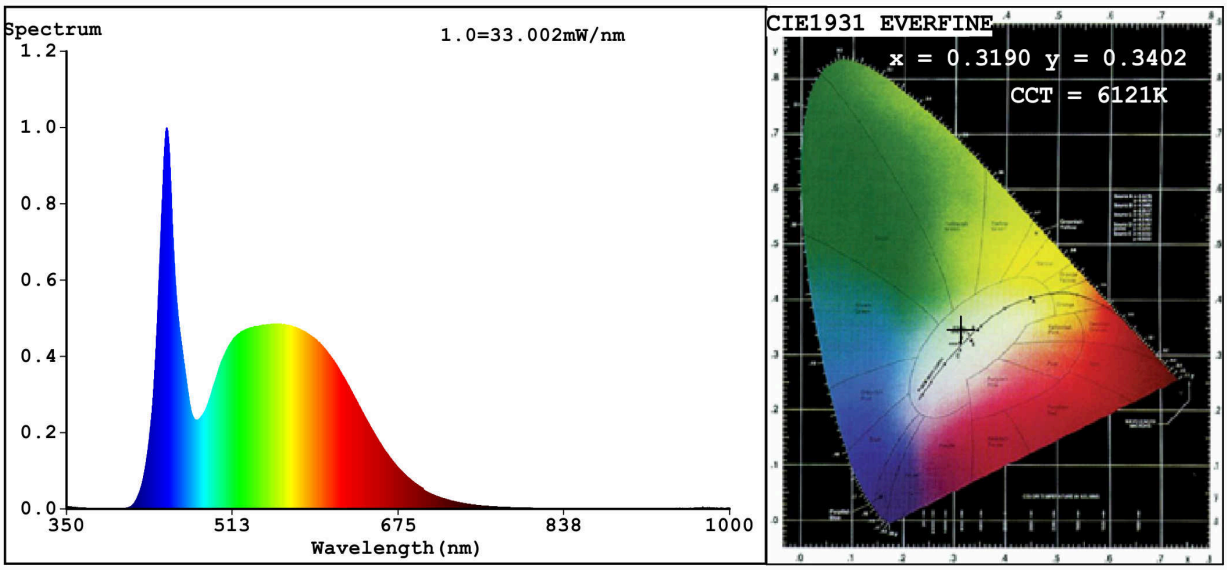
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	12	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	1 020 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	6 400
On-mode power (P_{on}), expressed in W	12,0	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	83
Outer dimensions without separate control gear, lighting control — Height	141	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Outer dimensions without separate control gear, lighting control — Width	117		
Outer dimensions without separate control gear, lighting control — Depth	25		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,376 0,373
Parameters for directional light sources:				
Peak luminous intensity (cd)		323	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		2	Survival factor	0,90
the lumen maintenance factor		1,00		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,50	Colour consistency in McAdam ellipses	6
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=0.3190 y=0.3402/u'=0.1980 v'=0.4751

CCT=6121K(Duv=0.0058) Dominant WL:Ld =498.0nm WL:Lc = --nm Purity=4.5%

Ratio:R=13.7% G=81.0% B=5.3%¡¡Peak WL:Lp=448.2nm FWHM=20.6nm

Render Index:Ra=83.5 AvgR=76.5 TM30:Rf=85 Rg=95 Lav=542.3nm

R1 =81	R2 =87	R3 =91	R4 =84	R5 =83	R6 =83	R7 =89	
R8 =71	R9 =10	R10=69	R11=84	R12=62	R13=82	R14=95	R15=76

Photo Parameters:

Flux = 1054 lm Eff. : 81.99 lm/W Fe = 3.382 W

Electrical parameters:

V = 225.22 V I = 0.2057 A P = 12.86 W PF = 0.2775

WHITE:ANSI_6500K

~~Status: Integral T = 36 ms Ip = 46920 (72%)~~

Model:LED PANEL ROUND	Number:99LED961CW
Tester:Atanas DAKOV	Date:2021-07-07 15:49:03
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks: