

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: 99LED974CW

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):	Yes
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	Yes		
Anti-glare shield:	No	Dimmable:	No

Product parameters

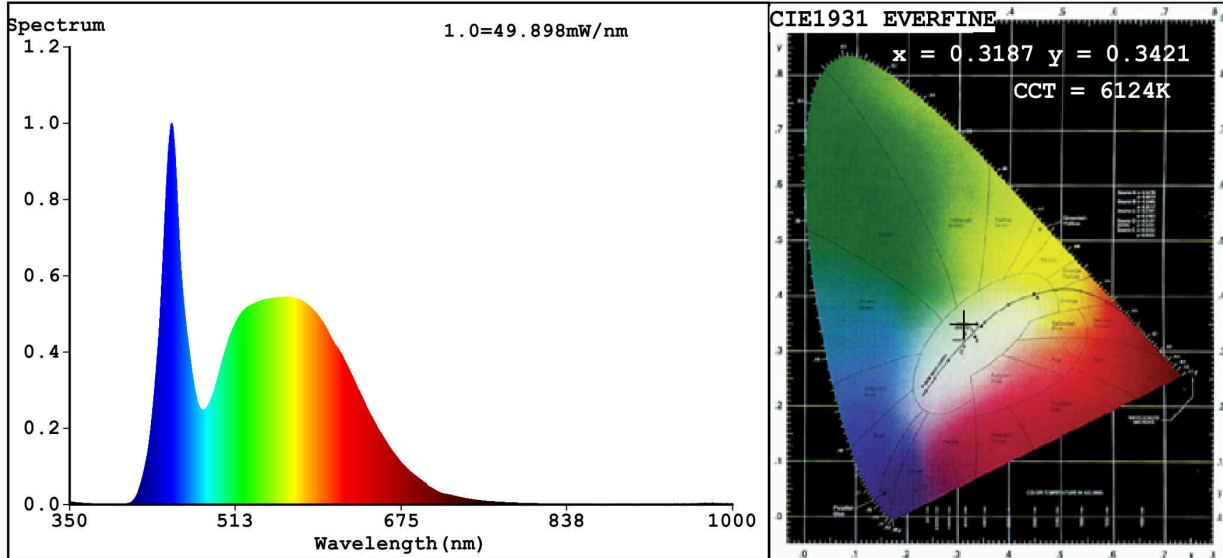
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	24	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 800 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	24,2	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,20
Networked standby power (P_{net}) for CLS, expressed in W and rounded to the second decimal	0,20	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	296	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	296	
	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)	0,318 0,342
Parameters for directional light sources:			
Peak luminous intensity (cd)	571	Beam angle in degrees, or the range of beam angles that can be set	113
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: $x=0.3187$ $y=0.3421$ $u'=0.1971$ $v'=0.4760$
 CCT=6124K (Duv=0.0069) Dominant WL:Ld =499.6nm WL:Lc = --nm Purity=4.5%
 Ratio:R=13.2% G=81.7% B=5.1%; Peak WL:Lp=450.3nm FWHM=24.4nm
 Render Index:Ra=81.0

R1 =78 R2 =85 R3 =90 R4 =81 R5 =80 R6 =80 R7 =87
 R8 =67 R9 =0 R10=65 R11=80 R12=59 R13=79 R14=95 R15=72

Photo Parameters:

Flux = 1759 lm Eff. : 72.47 lm/W Fe = 5.569 W

Electrical parameters:

V = 229.97 V I = 0.1879 A P = 24.27 W PF = 0.5617

WHITE:ANSI_6500K

Status: Integral T = 19 ms Ip = 44952 (69%)

Model:LED PANEL ROUND/24W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED974CW
 Date:2019-07-24 14:58:30
 Humidity:65.0%
 Remarks:W1119X021-2_5736