

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: 99LED969WW

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

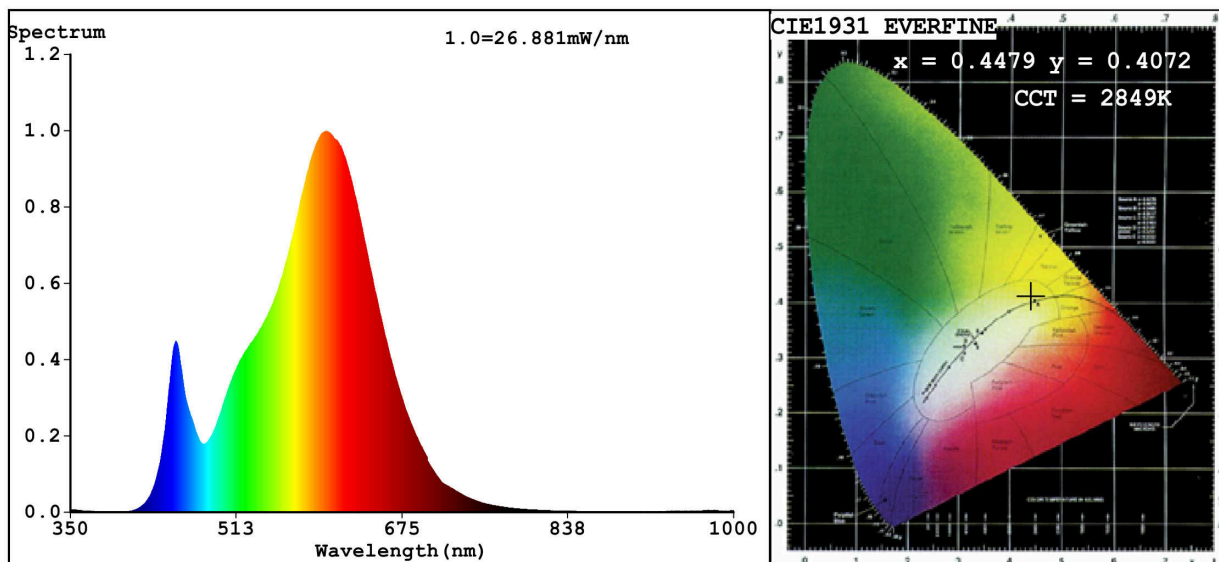
Product parameters

Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	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°)	1 400 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	80
On-mode power (P_{on}), expressed in W	18,4	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	80
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)	0,447 0,407	
Parameters for directional light sources:				
Peak luminous intensity (cd)	474	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: $x=0.4479$ $y=0.4072$ $u'=0.2563$ $v'=0.5242$

CCT=2849K(Duv=-0.0001) Dominant WL:Ld =583.5nm Purity=56.7%

Ratio:R=23.6% G=73.9% B=2.4%; Peak WL:Lp=601.4nm FWHM=115.5nm

Render Index:Ra=80.6

R1 =79	R2 =91	R3 =94	R4 =78	R5 =79	R6 =90	R7 =80	
R8 =54	R9 =0	R10=80	R11=77	R12=72	R13=82	R14=98	R15=71

Photo Parameters:

Flux = 1261 lm Eff. : 68.29 lm/W Fe = 3.812 W

Electrical parameters:

V = 229.97 V I = 0.1538 A P = 18.46 W PF = 0.5220

WHITE:ANSI_2700K

Status: Integral T = 31 ms Ip = 52534 (80%)

Model:LED PANEL SQUARE OM/18W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED969WW
Date:2018-08-17 16:13
Humidity:65.0%
Remarks:O18V019A_4809