

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: 99LED968WW

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

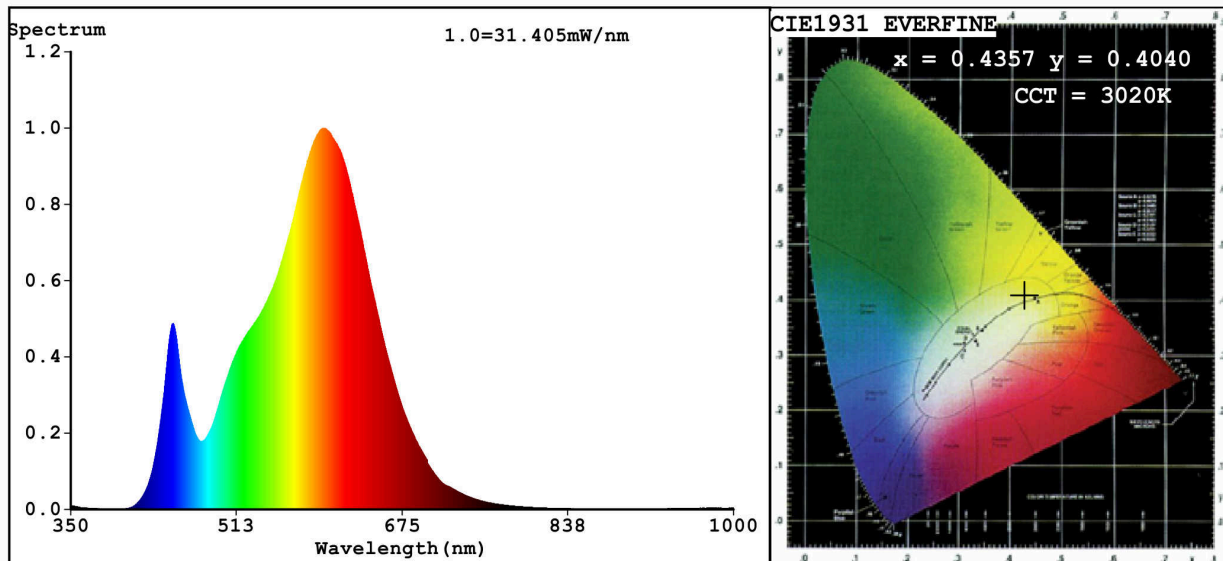
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 500 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	3 000
On-mode power (P_{on}), expressed in W	19,5	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	79
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)	0,435 0,404	
Parameters for directional light sources:				
Peak luminous intensity (cd)	425	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: $x=0.4357$ $y=0.4040$ $u'=0.2498$ $v'=0.5212$
 CCT=3020K (Duv=0.0001) Dominant WL: $\lambda_d = 582.7\text{nm}$ WL: $\lambda_c = \text{--nm}$ Purity=52.1%
 Ratio: R=22.3% G=75.2% B=2.5% Peak WL: $\lambda_p = 597.8\text{nm}$ FWHM=119.2nm
 Render Index: $R_a = 79.9$

R1 =78	R2 =89	R3 =96	R4 =78	R5 =78	R6 =87	R7 =81
R8 =53	R9 =0	R10=76	R11=77	R12=70	R13=80	R14=98 R15=69

Photo Parameters:

Flux = 1521 lm Eff. : 77.91 lm/W $P_e = 4.527\text{ W}$

Electrical parameters:

V = 220.00 V I = 0.1615 A P = 19.52 W PF = 0.5495

WHITE: ANSI_3000K

Status: Integral T = 43 ms $I_p = 50914$ (78%)

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

Number: 99 LED968WW
 Date: 2020-02-27 15:22:38
 Humidity: 65.0%
 Remarks: 6407