

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: 92PANEL030WE

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
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:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

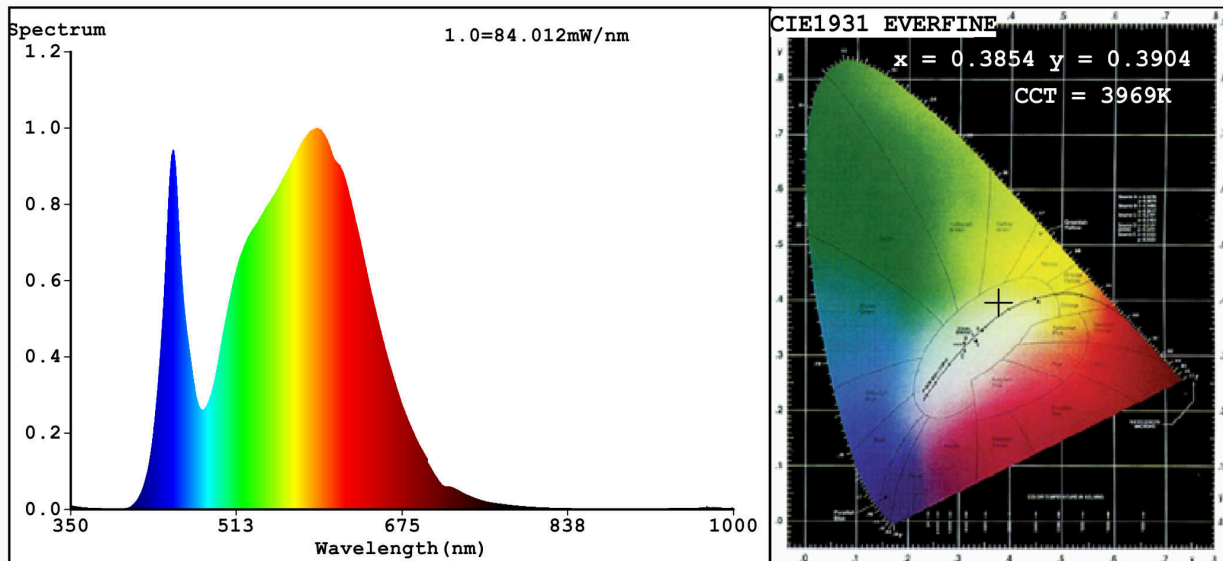
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	48	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	4 800 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	4 000
On-mode power (P_{on}), expressed in W	48,0	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,50
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	81
Outer dimensions without	Height	Spectral power distribution in the	See image in last page
	Width		
	Depth		

separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,385 0,390	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	2	Survival factor	0,90	
the lumen maintenance factor	0,96			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,90	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)	1,0	Stroboscopic effect metric (SVM)	0,9	

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3854$ $y=0.3904$ $u'=0.2229$ $v'=0.5082$
 CCT=3969K (Duv=0.0049) Dominant WL: $\lambda_d = 576.9\text{nm}$ WL: $\lambda_c = \text{--nm}$ Purity=32.8%
 Ratio: R=17.8% G=79.0% B=3.3% Peak WL: $\lambda_p = 592.1\text{nm}$ FWHM=148.7nm
 Render Index: $R_a = 81.2$

R1 =78	R2 =86	R3 =94	R4 =81	R5 =78	R6 =82	R7 =87
R8 =63	R9 =2	R10=68	R11=79	R12=58	R13=80	R14=96 R15=72

Photo Parameters:

Flux = 4897 lm Eff. : 93.80 lm/W $P_e = 14.57\text{ W}$

Electrical parameters:

V = 219.93 V I = 0.2434 A P = 52.21 W PF = 0.9753
 WHITE: ANSI_4000K

Status: Integral T = 17 ms $I_p = 48036$ (73%)

Model: LED FILAMENT BULB
 Tester: Atanas DAKOV
 Temperature: 25.3Deg
 Manufacturer: ELMARK

Number: 92PANEL030W
 Date: 2020-10-26 14:38:56
 Humidity: 65.0%
 Remarks: 7145