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: 92PANEL030W

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

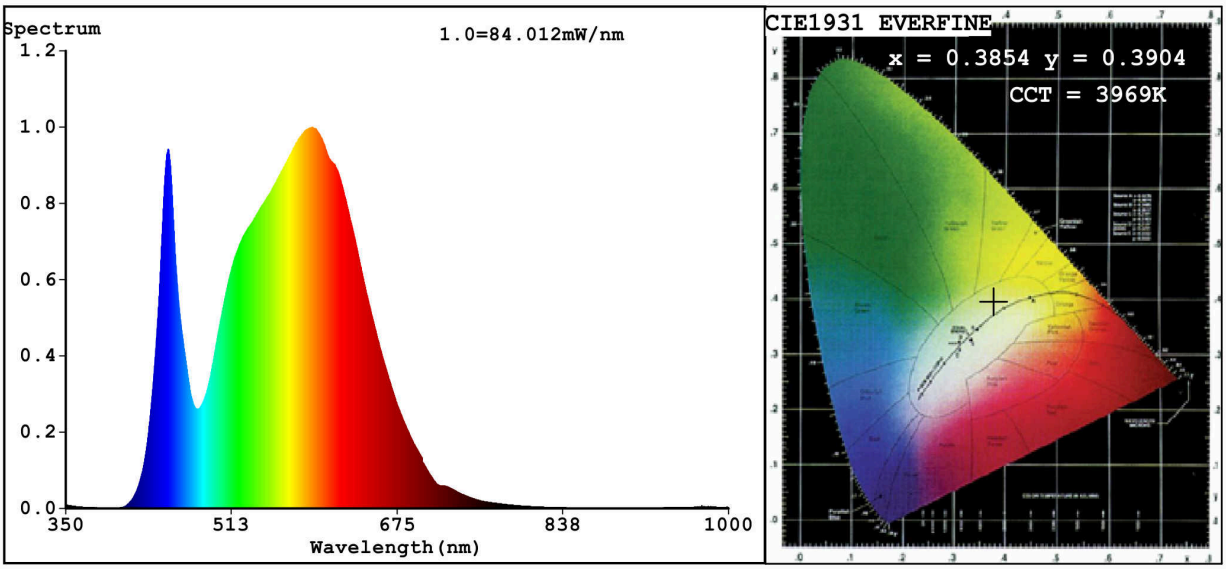
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	48	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	4 400 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	0,20
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	595	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	595		
Outer dimensions without separate control gear, lighting control — Depth	9		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,385 0,390
Parameters for directional light sources:				
Peak luminous intensity (cd)		1 504	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		2	Survival factor	0,90
the lumen maintenance factor		0,96		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		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:Ld =576.9nm WL:Lc = --nm Purity=32.8%

Ratio:R=17.8% G=79.0% B=3.3%¡¡Peak WL:Lp=592.1nm FWHM=148.7nm

Render Index:Ra=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 Fe = 14.57 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 Ip = 48036 (73%)

Model:LED FILAMENT BULB	Number:92PANEL030W
Tester:Atanas DAKOV	Date:2020-10-26 14:38:56
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:7145