

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: 92PANEL031CW

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

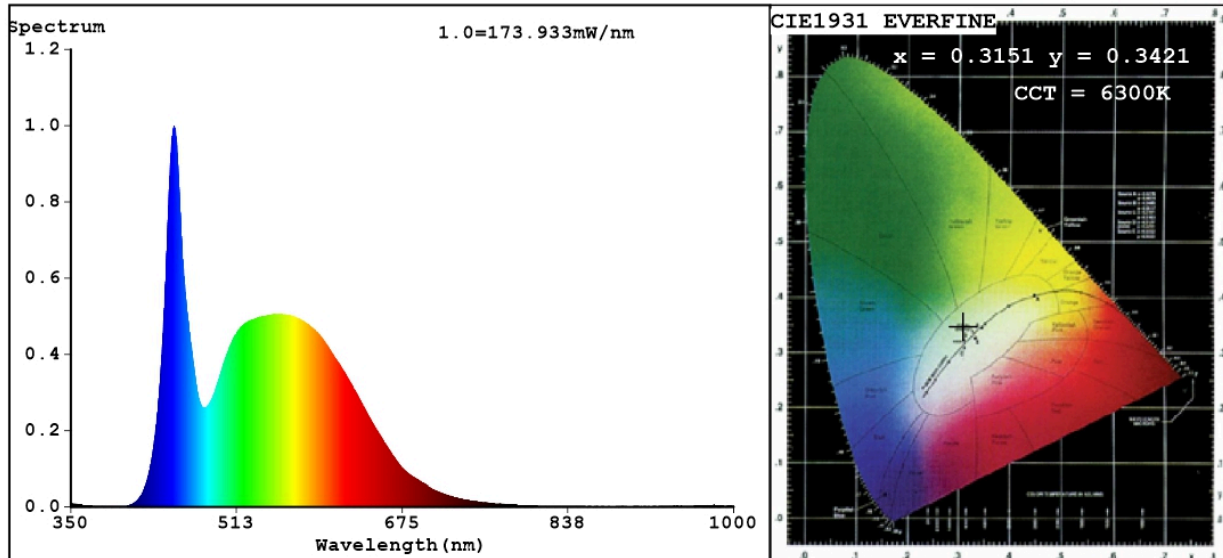
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	60	Energy efficiency class	E
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	5 943 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	6 300
On-mode power (P_{on}), expressed in W	63,0	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	82
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)	0,315 0,342	
Parameters for directional light sources:				
Peak luminous intensity (cd)	2 061	Beam angle in degrees, or the range of beam angles that can be set	114	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	1	Survival factor	0,50	
the lumen maintenance factor	0,95			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,80	Colour consistency in McAdam ellipses	4	
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)	0,6	Stroboscopic effect metric (SVM)	0,2	

(a) '-': not applicable;

(b) '-': not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3151$ $y=0.3421$ $u'=0.1946$ $v'=0.4755$
 CCT=6300K (Duv=0.0086) Dominant WL: $L_d=498.0\text{nm}$ WL: $L_c = \text{--nm}$ Purity=5.7%
 Ratio: R=13.0% G=81.4% B=5.5%; Peak WL: $L_p=451.3\text{nm}$ FWHM=22.9nm
 Render Index: $R_a=82.1$ AvgR=74.2 TM30: $R_f=84$ $R_g=93$ $L_{av}=540.8\text{nm}$

R1 =79	R2 =87	R3 =92	R4 =81	R5 =80	R6 =82	R7 =89
R8 =68	R9 =1	R10=69	R11=80	R12=57	R13=81	R14=96
						R15=73

Photo Parameters:

Flux = 5689 lm Eff. : 89.22 lm/W Fe = 18.11 W

Electrical parameters:

V = 225.00 V I = 0.3392 A P = 63.76 W PF = 0.8356

WHITE: ANSI_6500K

Status: Integral T = 9 ms Ip = 52253 (80%)

Model: LED INTERIOR LIGHTING
 Tester: Atanas DAKOV
 Temperature: 25.3Deg
 Manufacturer: ELMARK

Number: 92PANEL031CW
 Date: 2022-01-25 14:23:30
 Humidity: 65.0%
 Remarks: 7807