

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: 92PANEL029W

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

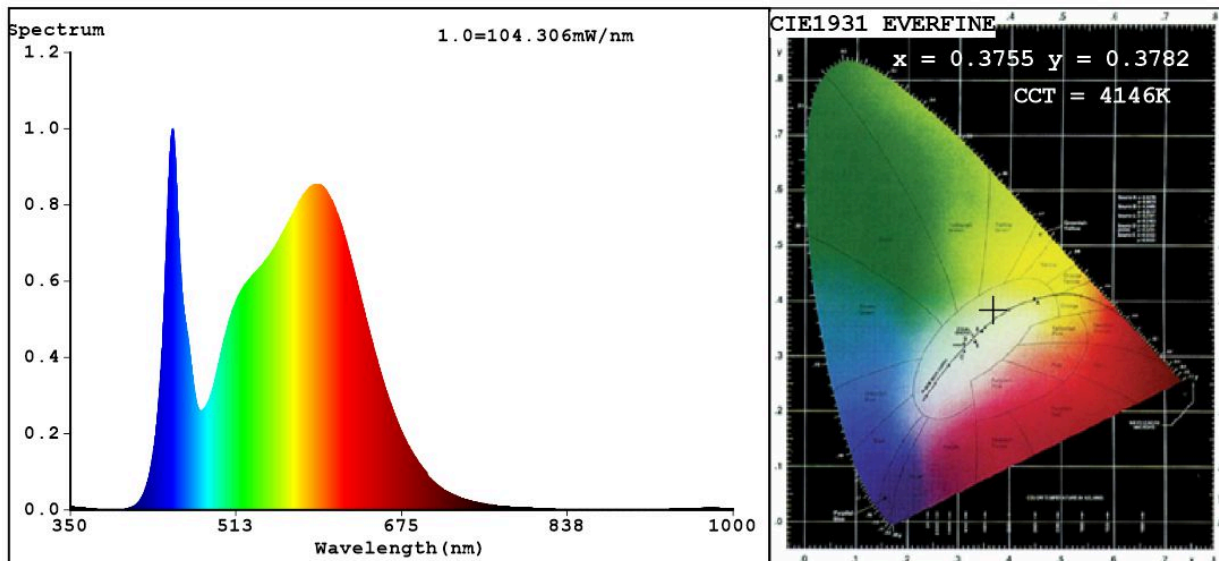
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	48	Energy efficiency class	E
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	5 000 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	4 000
On-mode power (P_{on}), expressed in W	48,6	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)	0,375 0,378	
Parameters for directional light sources:				
Peak luminous intensity (cd)	2 366	Beam angle in degrees, or the range of beam angles that can be set	87	
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)	0,70	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)	0,2	Stroboscopic effect metric (SVM)	0,5	

(a) '-': not applicable;

(b) '-': not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3755$ $y=0.3782$ $u'=0.2213$ $v'=0.5015$
 $CCT=4146K$ ($Duv=0.0021$) Dominant WL: $Ld = 577.3nm$ WL: $Lc = --nm$ Purity=26.2%
 Ratio: $R=17.6\%$ $G=78.7\%$ $B=3.8\%$ Peak WL: $Lp=450.6nm$ FWHM=21.4nm
 Render Index: $Ra=82.1$ $AvgR=75.0$ $TM30:Rf=84$ $Rg=94$ $Lav=566.4nm$

R1 =80	R2 =89	R3 =95	R4 =81	R5 =80	R6 =84	R7 =86
R8 =62	R9 =1	R10=73	R11=80	R12=61	R13=82	R14=98
						R15=73

Photo Parameters:

Flux = 5157 lm Eff. : 105.99 lm/W Fe = 15.48 W

Electrical parameters:

V = 229.97 V I = 0.2842 A P = 48.65 W PF = 0.7444

WHITE:ANSI_4000K

Status: Integral T = 15 ms Ip = 52620 (80%)

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

Number:92PANEL029W
 Date:2022-04-12 10:12:28
 Humidity:65.0%
 Remarks:7964