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: 92PANEL029CW

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

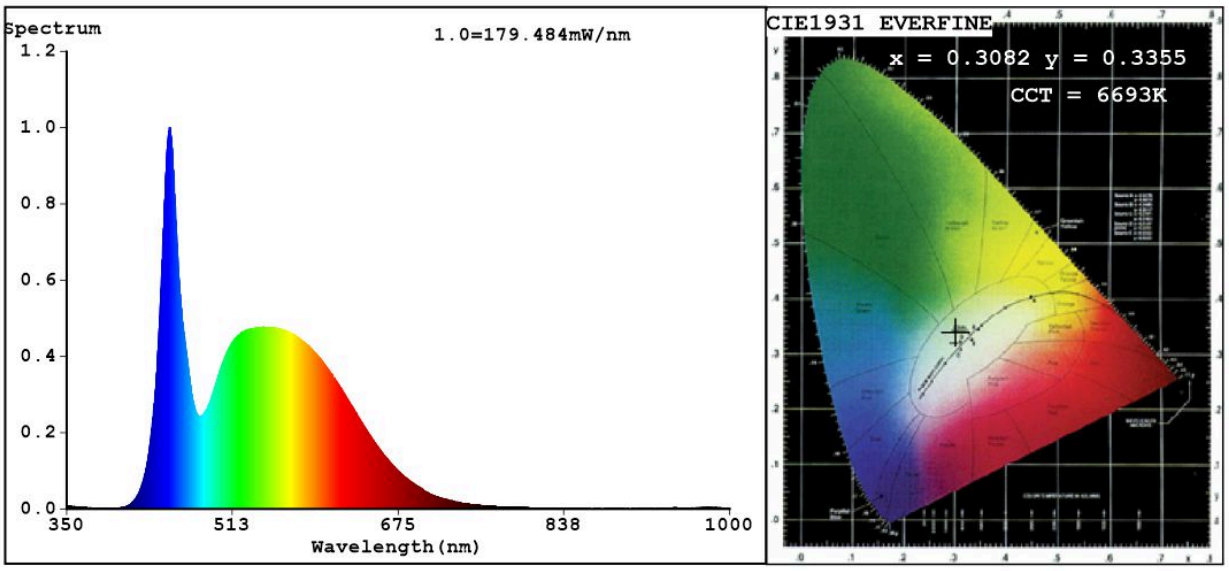
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	48	Energy efficiency class	E
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	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	6 500
On-mode power (P_{on}), expressed in W	49,1	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	1 195	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Width	295		
Depth	30		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,308 0,355
Parameters for directional light sources:				
Peak luminous intensity (cd)		2 367	Beam angle in degrees, or the range of beam angles that can be set	88
Parameters for LED and OLED light sources:				
R9 colour rendering index value		2	Survival factor	0,50
the lumen maintenance factor		0,95		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		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=0.3082 y=0.3355/u'=0.1923 v'=0.4711

CCT=6693K(Duv=0.0088) Dominant WL:Ld =492.8nm WL:Lc = --nm Purity=8.4%

Ratio:R=12.7% G=81.7% B=5.7%¡¡Peak WL:Lp=450.9nm FWHM=22.2nm

Render Index:Ra=82.1 AvgR=74.2 TM30:Rf=84 Rg=93 Lav=537.7nm

R1 =79	R2 =86	R3 =91	R4 =81	R5 =80	R6 =82	R7 =89	
R8 =69	R9 =2	R10=68	R11=80	R12=57	R13=81	R14=96	R15=73

Photo Parameters:

Flux = 5503 lm Eff. : 111.86 lm/W Fe = 17.76 W

Electrical parameters:

V = 229.97 V I = 0.2866 A P = 49.19 W PF = 0.7464

WHITE:ANSI_6500K

Status: Integral T = 7 ms Ip = 47427 (72%)

Model:LED INTERIOR LIGHTING	Number:92PANEL029CW
Tester:Atanas DAKOV	Date:2022-04-12 09:41:10
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:7964