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: 92PANEL023CW

Type of light source:

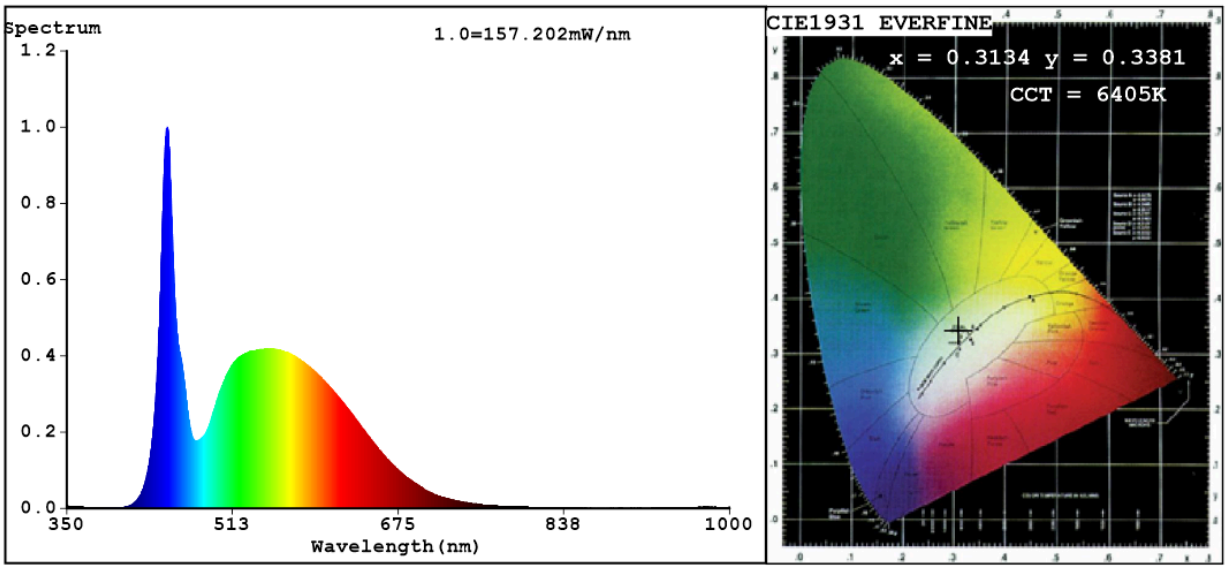
Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	Integrated LED		
Mains or non-mains:	MLS	Connected light source (CLS):	Yes
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	Yes		
Anti-glare shield:	No	Dimmable:	No
Product parameters			
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	30	Energy efficiency class	C
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)	4 140 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	28,8	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
Width	595		
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)	0,313 0,338
Parameters for directional light sources:				
Peak luminous intensity (cd)		1 409	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		8	Survival factor	0,50
the lumen maintenance factor		0,95		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,50	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)		0,0	Stroboscopic effect metric (SVM)	0,0

[(a)] '-' : not applicable;

[(b)] '-' : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.3134 y=0.3381/u'=0.1950 v'=0.4732

CCT=6405K(Duv=0.0074) Dominant WL:Ld =494.8nm WL:Lc = --nm Purity=6.5%

Ratio:R=13.1% G=81.8% B=5.2%¡¡Peak WL:Lp=448.9nm FWHM=16.0nm

Render Index:Ra=81.7

R1 =79	R2 =84	R3 =88	R4 =82	R5 =80	R6 =79	R7 =89	
R8 =71	R9 =8	R10=64	R11=81	R12=56	R13=80	R14=94	R15=74

Photo Parameters:

Flux = 4199 lm Eff. : 145.76 lm/W Fe = 13.55 W

Electrical parameters:

V = 229.41 V I = 0.1303 A P = 28.81 W PF = 0.9638

WHITE:ANSI_6500K

Status: Integral T = 8 ms Ip = 50059 (76%)

Model:LED INTERIOR LIGHTING	Number:92PANEL023CW
Tester:Atanas DAKOV	Date:2022-09-16 16:07:52
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:8941