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: 92PANEL028CW

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

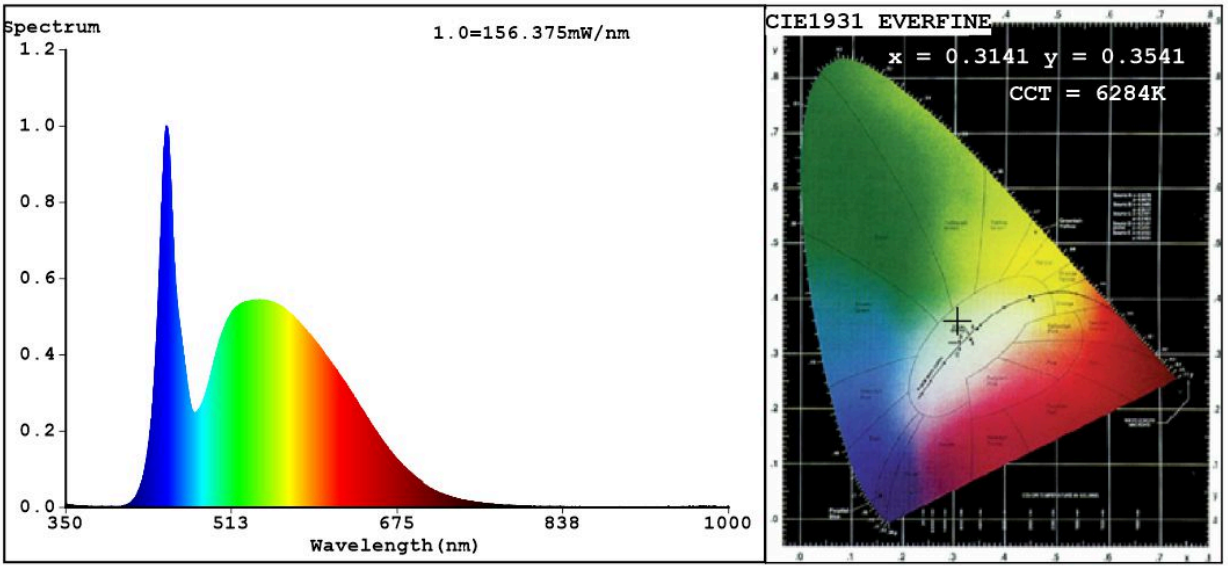
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	48	Energy efficiency class	E
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	5 300 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	50,0	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	80
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	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)	0,314 0,354
Parameters for directional light sources:				
Peak luminous intensity (cd)		2 395	Beam angle in degrees, or the range of beam angles that can be set	92
Parameters for LED and OLED light sources:				
R9 colour rendering index value		0	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)	0,0

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

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

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.3141 y=0.3541/u'=0.1898 v'=0.4813

CCT=6284K(Duv=0.0148) Dominant WL:Ld =506.5nm WL:Lc = --nm Purity=5.9%

Ratio:R=12.5% G=82.2% B=5.3%¡¡Peak WL:Lp=448.6nm FWHM=20.5nm

Render Index:Ra=80.5 AvgR=72.2 TM30:Rf=85 Rg=92 Lav=541.1nm

R1 =75	R2 =83	R3 =92	R4 =79	R5 =77	R6 =80	R7 =89	
R8 =67	R9 =0	R10=64	R11=78	R12=56	R13=77	R14=96	R15=69

Photo Parameters:

Flux = 5356 lm Eff. : 105.62 lm/W Fe = 16.85 W

Electrical parameters:

V = 230.03 V I = 0.2999 A P = 50.71 W PF = 0.7352

WHITE:OUT

Status: Integral T = 7 ms Ip = 35117 (54%)

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

Number:92PANEL028CW
Date:2022-04-12 08:46:32
Humidity:65.0%
Remarks:7964