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: 92PANEL020CW

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

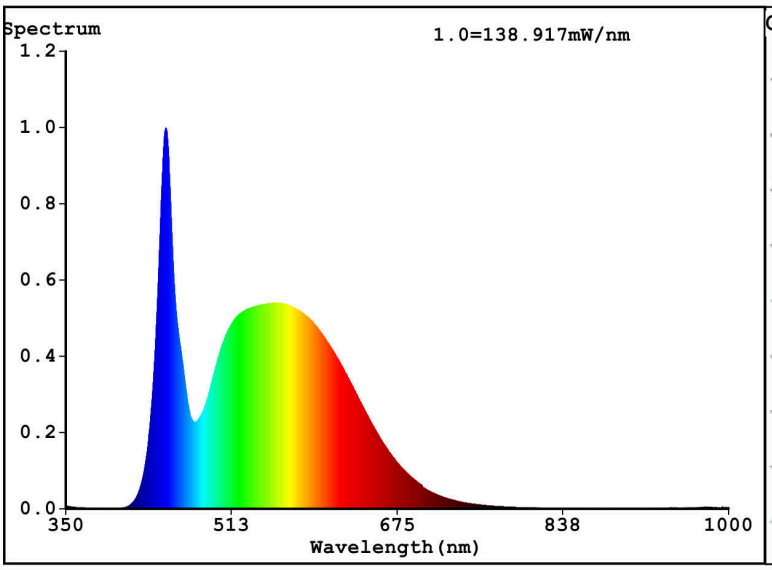
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	48	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	4 590 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	6 400
On-mode power (P_{on}), expressed in W	49,6	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	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		

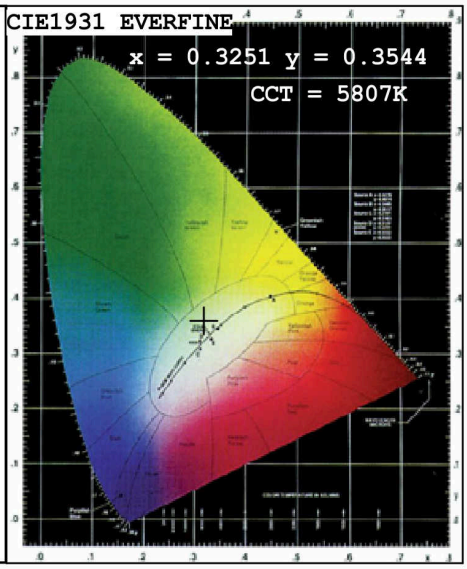
parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,375 0,376
Parameters for directional light sources:				
Peak luminous intensity (cd)		1 589	Beam angle in degrees, or the range of beam angles that can be set	113
Parameters for LED and OLED light sources:				
R9 colour rendering index value		0	Survival factor	0,50
the lumen maintenance factor		0,93		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,70	Colour consistency in McAdam ellipses	0
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=0.3251 y=0.3544/u'=0.1969 v'=0.4831

CCT=5807K(Duv=0.0099) Dominant WL:Ld =529.0nm WL:Lc = --nm Purity=4.4%

Ratio:R=13.5% G=81.7% B=4.9%¡¡Peak WL:Lp=448.2nm FWHM=19.8nm

Render Index:Ra=80.9

R1 =77	R2 =84	R3 =91	R4 =81	R5 =79	R6 =80	R7 =88	
R8 =67	R9 =0	R10=64	R11=80	R12=59	R13=79	R14=95	R15=71

Photo Parameters:

Flux = 4861 lm Eff. : 97.93 lm/W Fe = 15.17 W

Electrical parameters:

V = 219.98 V I = 0.2314 A P = 49.64 W PF = 0.9751

WHITE:OUT

Status: Integral T = 11 ms Ip = 51221 (78%)

Model:LED INTERIOR LIGHTING	Number:92PANEL020CW
Tester:Atanas DAKOV	Date:2020-10-14 10:09:42
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:6942