

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: 920LED011

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:	NMLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

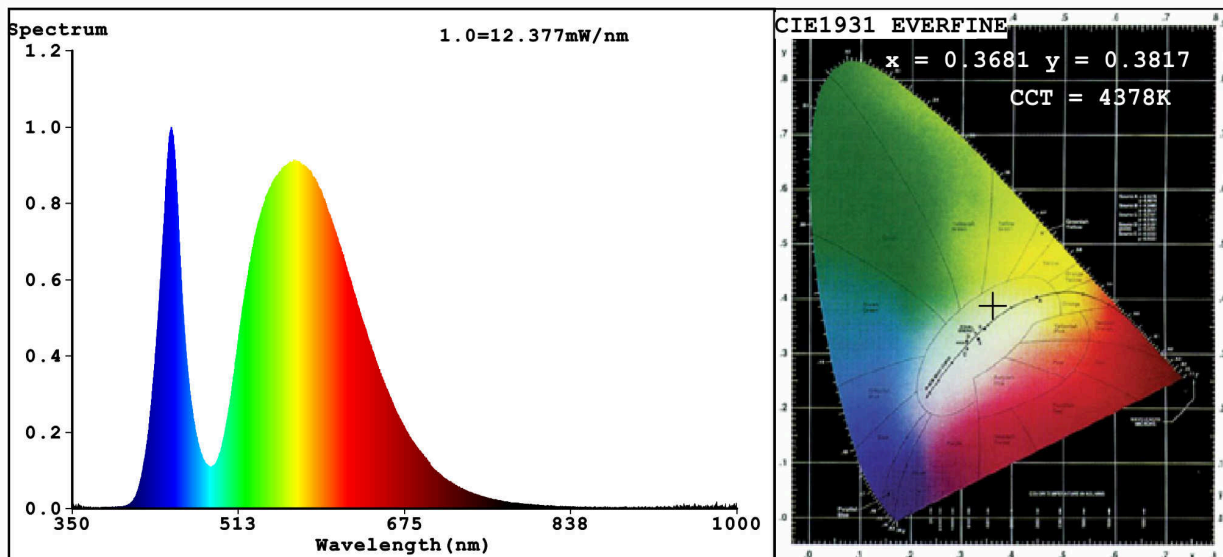
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	12	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	700 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	10,7	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,00
Networked standby power (P_{net}) for CLS, expressed in W and rounded to the second decimal	-	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	68
Outer dimensions without	Height	Spectral power distribution in the	See image in last page
	Width		
	Depth		

separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power ^(a)	-		If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,368 0,381
Parameters for directional light sources:				
Peak luminous intensity (cd)	446		Beam angle in degrees, or the range of beam angles that can be set	120
Parameters for LED and OLED light sources:				
R9 colour rendering index value	0		Survival factor	0,50
the lumen maintenance factor	0,93			

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3681$ $y=0.3817$ / $u'=0.2151$ $v'=0.5019$

CCT=4378K (Duv=0.0061) Dominant WL: $\lambda_d = 574.1\text{nm}$ Purity=25.0%

Ratio: R=14.9% G=82.9% B=2.2%; Peak WL: $\lambda_p = 446.9\text{nm}$ FWHM=24.9nm

Render Index: Ra=68.0

R1 =64 R2 =73 R3 =79 R4 =68 R5 =64 R6 =62 R7 =80

R8 =53 R9 =0 R10=36 R11=61 R12=32 R13=65 R14=88 R15=59

Photo Parameters:

Flux = 647.1 lm Eff. : 59.96 lm/W $F_e = 1.878\text{ W}$

Electrical parameters:

V = 12.080 V I = 0.8934 A P = 10.79 W PF = 1.000

WHITE: ANSI_4500K

Status: Integral T = 51 ms $I_p = 48366$ (74%)

Model: CAB-20_12W
Tester: Petya Marinova
Temperature: 25.3Deg
Manufacturer: ELMARK

Number: 920LED011
Date: 2015-04-15 16:12
Humidity: 65.0%
Remarks: PO001901