

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: 919LED110

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):	Yes
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

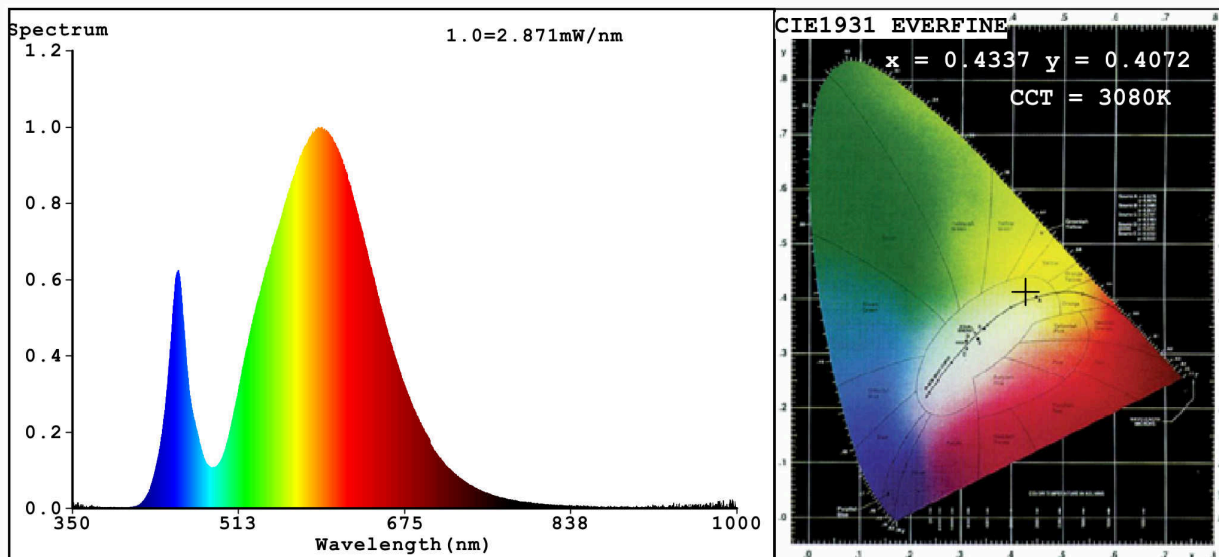
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	2	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	150 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	3 000
On-mode power (P_{on}), expressed in W	2,3	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,30
Networked standby power (P_{net}) for CLS, expressed in W and rounded to the second decimal	0,30	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	72
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)	0,433 0,407
Parameters for directional light sources:				
Peak luminous intensity (cd)	590		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: $x=0.4337$ $y=0.4072$ $u'=0.2472$ $v'=0.5221$
 CCT=3080K (Duv=0.0017) Dominant WL: $\lambda_d = 581.9\text{nm}$ Purity=52.4%
 Ratio: R=20.8% G=77.5% B=1.8%; Peak WL: $\lambda_p = 590.4\text{nm}$ FWHM=127.6nm
 Render Index: Ra=72.4
 R1 =69 R2 =81 R3 =91 R4 =68 R5 =67 R6 =72 R7 =81
 R8 =50 R9 =0 R10=55 R11=60 R12=41 R13=71 R14=94 R15=64

Photo Parameters:

Flux = 146.7 lm Eff. : 63.19 lm/W Fe = 433.6 mW

Electrical parameters:

V = 12.183 V I = 0.1905 A P = 2.321 W PF = 1.000

WHITE: ANSI_3000K

Status: Integral T = 219 ms Ip = 50702 (77%)

Model: CAB-19_2.8W
 Tester: Petya Marinova
 Temperature: 25.3Deg
 Manufacturer: ELMARK

Number: 919LED110
 Date: 2015-04-15 11:21
 Humidity: 65.0%
 Remarks: PO001901