

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: 95EL229112W/WH

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

Product parameters

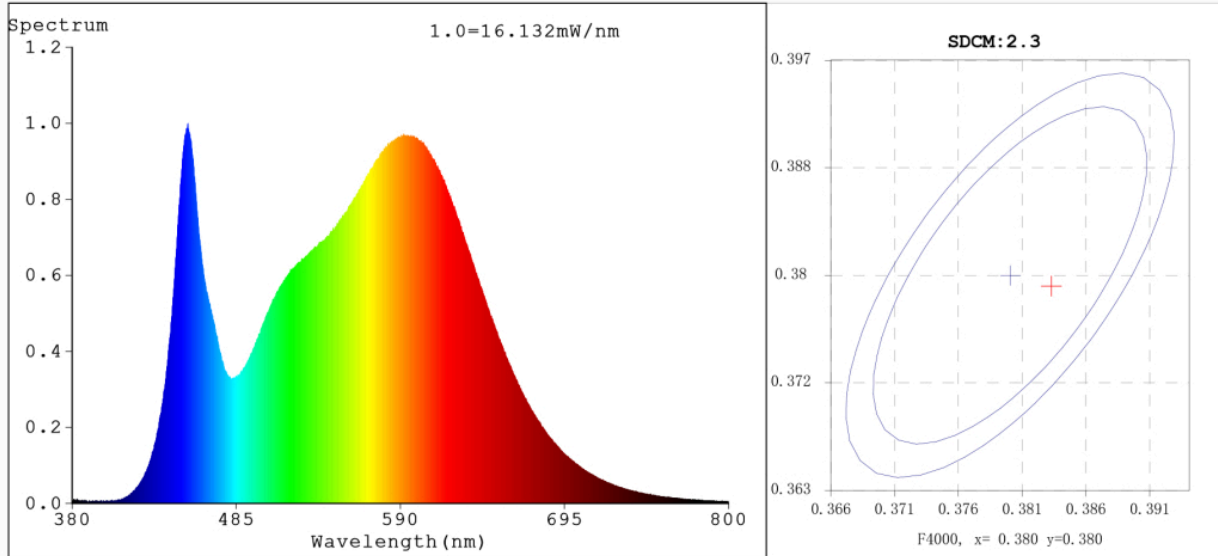
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	12	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	879 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	12,0	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	83
Outer dimensions without separate control gear, lighting control	Height	230	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	45	
	Depth	45	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,383 0,379
Parameters for directional light sources:			
Peak luminous intensity (cd)	310	Beam angle in degrees, or the range of beam angles that can be set	116
Parameters for LED and OLED light sources:			
R9 colour rendering index value	6	Survival factor	0,50
the lumen maintenance factor	0,95		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	0,50	Colour consistency in McAdam ellipses	6
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)	0,2

(a) '-': not applicable;

(b) '-': not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3832$ $y=0.3792$ / $u'=0.2260$ $v'=0.5031$
 CCT=3943K (Duv=0.0003) Dominant WL:Ld =579.1nm WL:Lc = --nm Purity=28.8%
 Ratio:R=18.5% G=77.6% B=3.9% Peak WL:Lp=454.1nm FWHM=25.7nm
 Render Index:Ra=83.1 AvgR=76.7 TM30:Rf=84 Rg=94

Eff (PPF)=0.97844

R1 =82 R2 =91 R3 =96 R4 =80 R5 =82 R6 =88 R7 =84
 R8 =62 R9 =6 R10=79 R11=79 R12=64 R13=84 R14=98 R15=75

Photo Parameters:

Flux = 879.9 lm Eff. : 70.74 lm/W Fe = 2.659 W

Electrical parameters:

V = 228.81 V I = 0.1013 A P = 12.44 W PF = 0.5364

LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 1575 ms Ip = 49001 (75%)

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