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: 95EL218130W/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

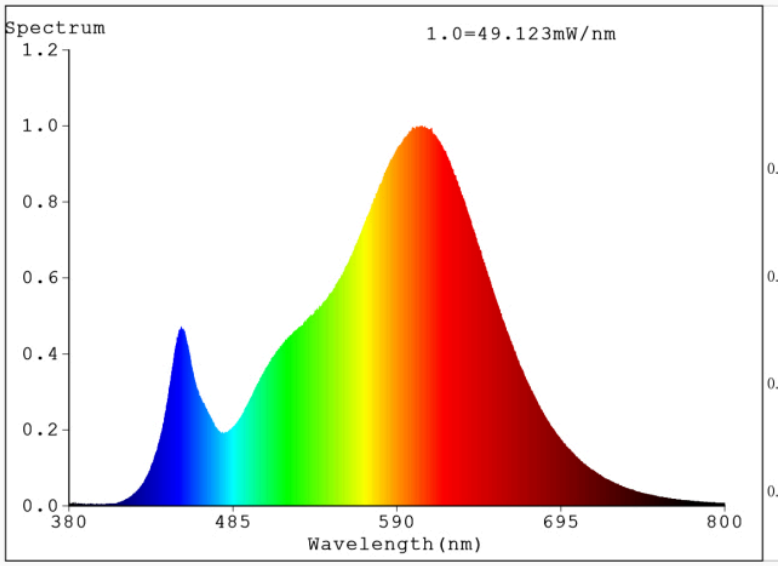
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	30	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	2 400 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 or 4 000 or 6 500
On-mode power (P_{on}), expressed in W	32,4	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	300	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Width	50		
Depth	50		

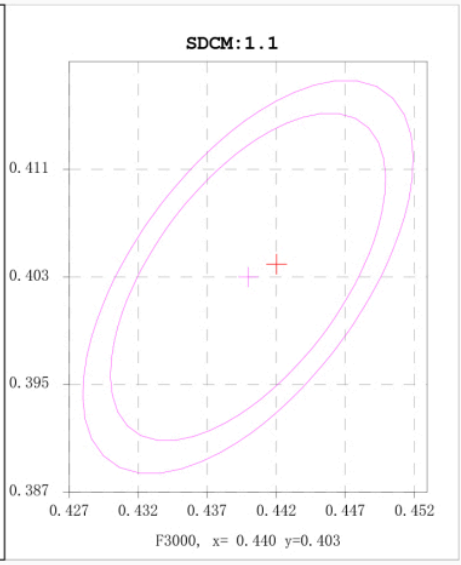
parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power[(a)]	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,442 0,403
Parameters for directional light sources:			
Peak luminous intensity (cd)	930	Beam angle in degrees, or the range of beam angles that can be set	113
Parameters for LED and OLED light sources:			
R9 colour rendering index value	8	Survival factor	0,50
the lumen maintenance factor	0,95		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ1)	0,90	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=0.4421 y=0.4039/u'=0.2540 v'=0.5221

CCT=2914K(Duv=-0.0007) Dominant WL:Ld =583.5nm WL:Lc = --nm Purity=53.9%

Ratio:R=23.6% G=73.8% B=2.6% Peak WL:Lp=606.2nm FWHM=122.6nm

Render Index:Ra=83.1 AvgR=77.9 TM30:Rf=85 Rg=96

Eff(PPF)=1.03453

R1 =82	R2 =92	R3 =95	R4 =81	R5 =82	R6 =91	R7 =82	
R8 =59	R9 =8	R10=82	R11=81	R12=76	R13=84	R14=98	R15=74

Photo Parameters:

Flux = 2341 lm Eff. : 72.24 lm/W Fe = 7.169 W

Electrical parameters:

V = 228.85 V I = 0.1469 A P = 32.41 W PF = 0.9642

LEVEL:OUT WHITE:ANSI_3000K

Status: Integral T = 537 ms Ip = 52070 (79%)

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