

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: 95EL401520W/GR

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

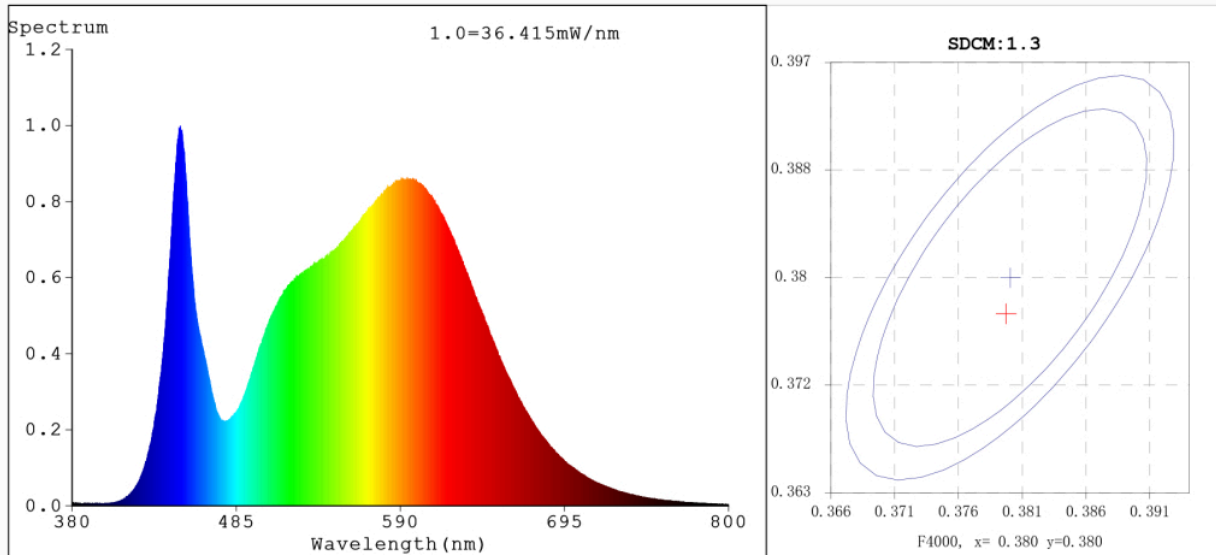
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	20	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 600 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	19,6	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	82
Outer dimensions without separate control gear, lighting control	Height	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width		
	Depth		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,379 0,377	
Parameters for directional light sources:				
Peak luminous intensity (cd)	588	Beam angle in degrees, or the range of beam angles that can be set	112	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	7	Survival factor	0,50	
the lumen maintenance factor	0,95			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,70	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: $x=0.3797$ $y=0.3772$ $u'=0.2245$ $v'=0.5017$
CCT=4024K (Duv=0.0004) Dominant WL:Ld =578.8nm WL:Lc = --nm Purity=27.1%
Ratio:R=18.2% G=78.3% B=3.5% Peak WL:Lp=449.3nm FWHM=19.9nm
Render Index:Ra=82.8 AvgR=76.1 TM30:Rf=84 Rg=96

Eff (PPF)=1.26753

R1 =81 R2 =88 R3 =94 R4 =83 R5 =82 R6 =84 R7 =86
R8 =65 R9 =7 R10=73 R11=82 R12=63 R13=83 R14=97 R15=75

Photo Parameters:

Flux = 1806 lm Eff. : 91.78 lm/W Fe = 5.461 W

Electrical parameters:

V = 228.78 V I = 0.1204 A P = 19.68 W PF = 0.7146

LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 817 ms Ip = 51185 (78%)

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