

# 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:** 95EL401524W/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

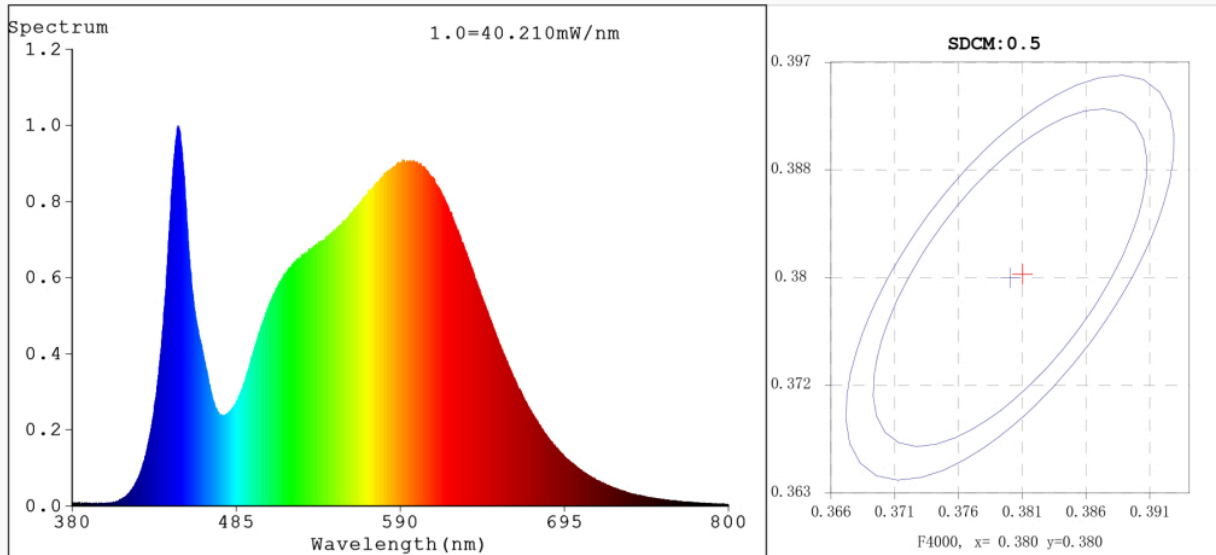
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	24	Energy efficiency class	F
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	2 000 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	24,4	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	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 <sup>(a)</sup>	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,381 0,380	
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	793	Beam angle in degrees, or the range of beam angles that can be set	113	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	9	Survival factor	0,50	
the lumen maintenance factor	0,95			
<b>Parameters for LED and OLED mains light sources:</b>				
displacement factor (cos $\phi_1$ )	0,60	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:  $x=0.3810$   $y=0.3803$   $u'=0.2241$   $v'=0.5032$   
CCT=4010K (Duv=0.0015) Dominant WL:Ld =578.2nm WL:Lc = --nm Purity=28.5%  
Ratio:R=18.3% G=78.3% B=3.4% Peak WL:Lp=448.3nm FWHM=20.9nm  
Render Index:Ra=83.2 AvgR=76.7 TM30:Rf=85 Rg=96

Eff (PPF)=1.20212

R1 =82 R2 =88 R3 =94 R4 =84 R5 =82 R6 =84 R7 =87  
R8 =66 R9 =9 R10=72 R11=83 R12=65 R13=83 R14=97 R15=75

## Photo Parameters:

Flux = 2125 lm Eff. : 86.95 lm/W Fe = 6.433 W

## Electrical parameters:

V = 228.74 V I = 0.1662 A P = 24.44 W PF = 0.6430

LEVEL:OUT WHITE:ANSI\_4000K

Status: Integral T = 686 ms Ip = 49843 (76%)

GBT5702