

# 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:** 99OM1204048/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

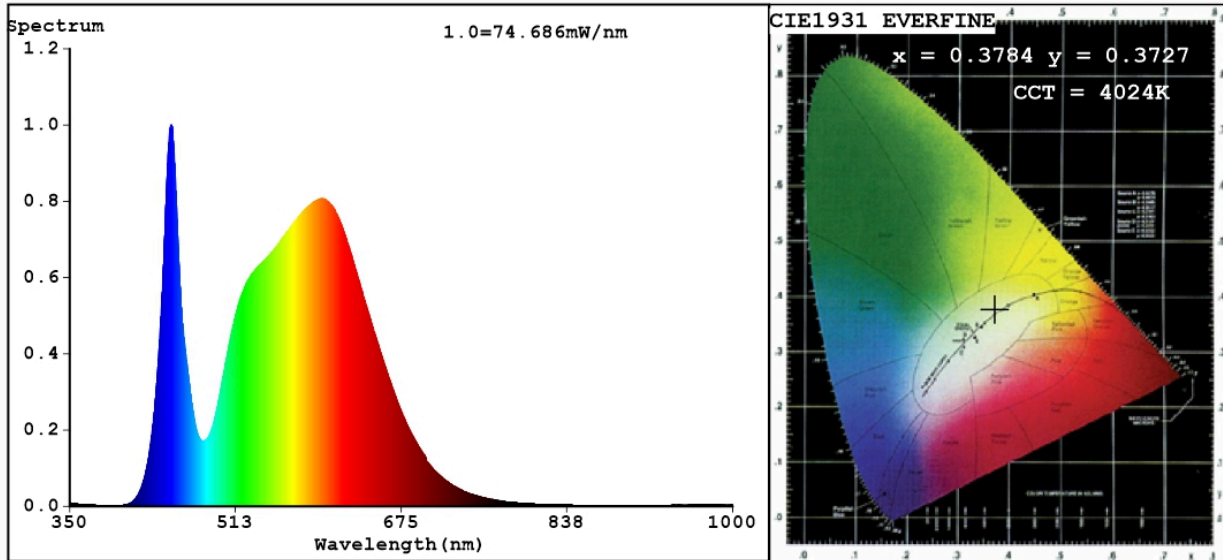
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	48	Energy efficiency class	G
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	3 600 in Narrow cone (90°)	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	52,0	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	82
Outer dimensions without separate control gear, lighting control	Height	1 200	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	100	
	Depth	72	
			See image in last page

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)	0,378 0,372
<b>Parameters for directional light sources:</b>			
Peak luminous intensity (cd)	449	Beam angle in degrees, or the range of beam angles that can be set	90
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	14	Survival factor	0,50
the lumen maintenance factor	0,95		
<b>Parameters for LED and OLED mains light sources:</b>			
displacement factor (cos $\phi_1$ )	0,70	Colour consistency in McAdam ellipses	4
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)	0,6	Stroboscopic effect metric (SVM)	0,2

(a) '-': not applicable;

(b) '-': not applicable;

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3784$   $y=0.3727$  /  $u'=0.2254$   $v'=0.4995$   
 CCT=4024K (Duv=-0.0013) Dominant WL:Ld =579.8nm WL:Lc = --nm Purity=25.4%  
 Ratio:R=18.4% G=78.5% B=3.1%; Peak WL:Lp=449.6nm FWHM=20.6nm  
 Render Index:Ra=82.3 AvgR=75.6 TM30:Rf=83 Rg=98 Lav=570.5nm

R1 =82    R2 =87    R3 =90    R4 =83    R5 =81    R6 =81    R7 =87  
 R8 =68    R9 =14    R10=68    R11=82    R12=58    R13=83    R14=94    R15=77

**Photo Parameters:**

Flux = 3533 lm    Eff. : 67.50 lm/W    Fe = 10.93 W

**Electrical parameters:**

V = 227.28 V    I = 0.2937 A    P = 52.34 W PF = 0.7841

WHITE:ANSI\_4000K

Status: Integral T = 18 ms    Ip = 50647 (77%)

Model:LED PROFILES  
 Tester:Atanas DAKOV  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:990M1204048 BL  
 Date:2022-02-18 14:49:52  
 Humidity:65.0%  
 Remarks: