

# 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/WHE

## 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

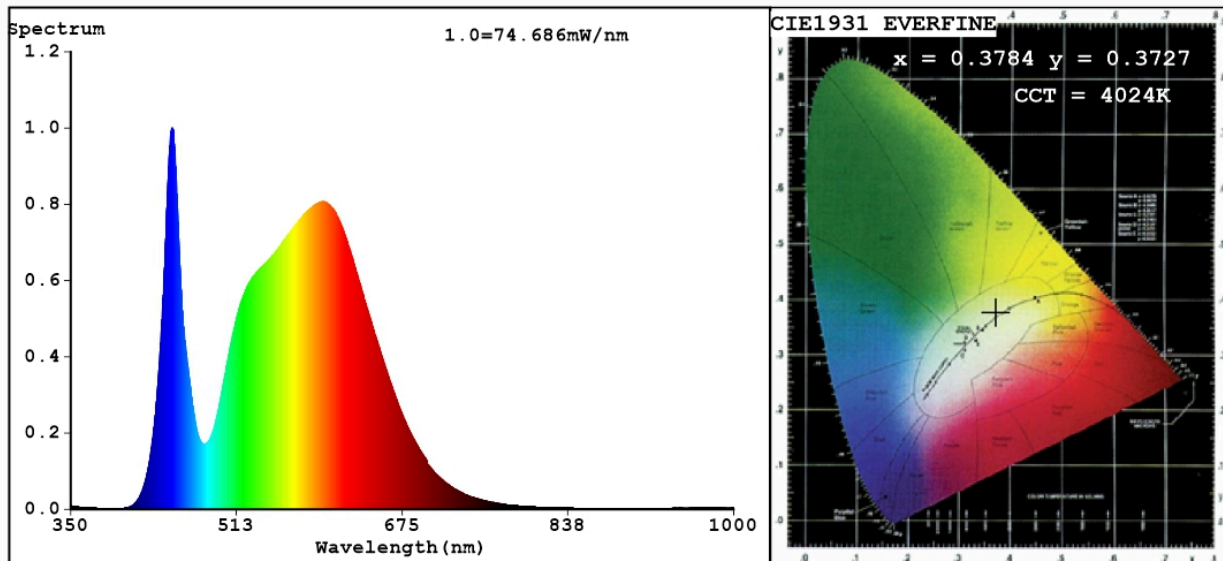
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	48	Energy efficiency class	G
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	3 600 in Nar-row 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	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)	0,378 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: