

# 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:** 99SM1204040/BL

## 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

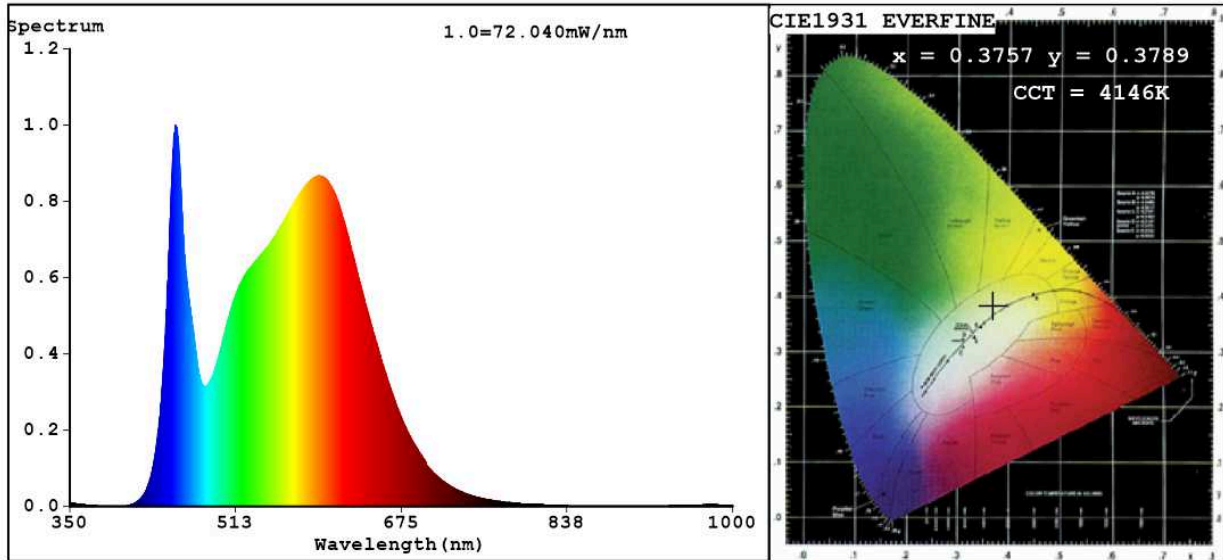
Parameter	Value	Parameter	Value	
<b>General product parameters:</b>				
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	40	Energy efficiency class	F	
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	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	41,9	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	Height	Spectral power distribution in the	See image in last page	
	Width			1 200
	Depth			70
			47	

separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power <sup>(a)</sup>	-		If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,375 0,378
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	453		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	9		Survival factor	0,50
the lumen maintenance factor	0,93			
<b>Parameters for LED and OLED mains light sources:</b>				
displacement factor (cos $\phi$ 1)	0,70		Colour consistency in McAdam ellipses	5
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)	0,0		Stroboscopic effect metric (SVM)	0,0

(a) : not applicable;

(b) : not applicable;

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3757$   $y=0.3789$  /  $u'=0.2211$   $v'=0.5018$   
 CCT=4146K (Duv=0.0024) Dominant WL:Ld =577.1nm WL:Lc = --nm Purity=26.5%  
 Ratio:R=17.8% G=78.1% B=4.1%; Peak WL:Lp=453.7nm FWHM=24.5nm  
 Render Index:Ra=83.6 AvgR=77.0 TM30:Rf=84 Rg=93 Lav=567.6nm

R1 =82	R2 =91	R3 =96	R4 =81	R5 =82	R6 =87	R7 =86	
R8 =64	R9 =9	R10=78	R11=80	R12=60	R13=85	R14=98	R15=75

**Photo Parameters:**

Flux = 3652 lm Eff. : 87.10 lm/W Fe = 11.12 W

**Electrical parameters:**

V = 225.18 V I = 0.2641 A P = 41.93 W PF = 0.7051  
 WHITE:ANSI\_4000K

Status: Integral T = 16 ms Ip = 44894 (69%)

Model:LED INDOOR LIGHTING  
 Tester:Atanas DAKOV  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number: 99SM1204040 WH  
 Date:2021-12-23 09:53:13  
 Humidity:65.0%  
 Remarks: