

# 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:** 92FLCOM4040/WH

## 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):	Yes
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	Yes		
Anti-glare shield:	No	Dimmable:	No

## Product parameters

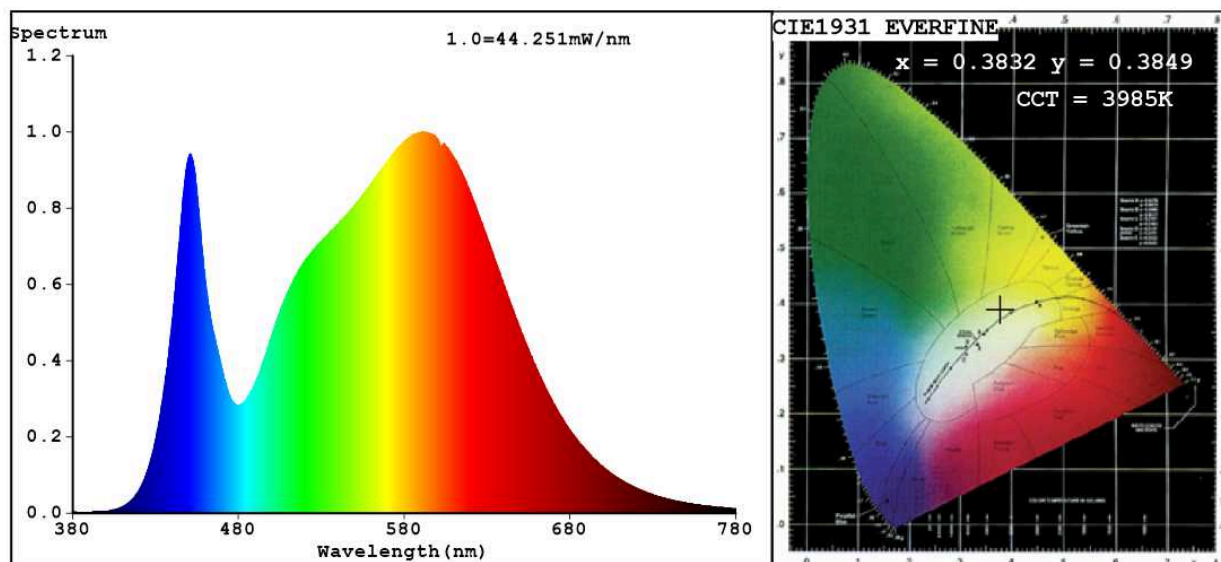
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	40	Energy efficiency class	F
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	3 200 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	39,0	Standby power ( $P_{sb}$ ), expressed in W and rounded to the second decimal	0,20
Networked standby power ( $P_{net}$ ) for CLS, expressed in W and rounded to the second decimal	0,20	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	81
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)	0,384 0,383	
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	4 614	Beam angle in degrees, or the range of beam angles that can be set	43	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	0	Survival factor	0,50	
the lumen maintenance factor	0,93			
<b>Parameters for LED and OLED mains light sources:</b>				
displacement factor (cos $\phi_1$ )	0,90	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:  $x=0.3832$   $y=0.3849$   $u'=0.2237$   $v'=0.5055$

$CCT=3985K$  ( $Duv=0.0030$ ) Dominant WL:  $Ld = 577.7nm$  Purity=30.5%

Ratio:  $R=17.9\%$   $G=78.7\%$   $B=3.4\%$ ; Peak WL:  $Lp=591.1nm$  FWHM=145.7nm

Render Index:  $Ra=81.1$

R1 = 78	R2 = 87	R3 = 95	R4 = 80	R5 = 79	R6 = 83	R7 = 86
R8 = 61	R9 = 0	R10 = 70	R11 = 78	R12 = 60	R13 = 80	R14 = 97
						R15 = 72

### Photo Parameters:

Flux = 2544 lm Eff. : 65.17 lm/W  $Fe = 7.567 W$

### Electrical parameters:

$V = 229.99 V$   $I = 0.1746 A$   $P = 39.03 W$   $PF = 0.9719$

WHITE: ANSI\_4000K

Status: Integral T = 16 ms  $I_p = 45538 (69\%)$

Model: FLCOM COB/40W  
Tester: Petya Marinova  
Temperature: 25.3Deg  
Manufacturer: ELMARK

Number: 92FLCOM4040/BL  
Date: 2019-07-04 13:41  
Humidity: 65.0%  
Remarks: EI0011901\_5744