

# 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:** 99PFML40/WH

## Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
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	10	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°)	1 000 in Sphere (360°)	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	9,6	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	35	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	75	
	Depth	204	
			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)	0,372 0,371
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	11	Survival factor	0,50
the lumen maintenance factor	0,95		
<b>Parameters for LED and OLED mains light sources:</b>			
displacement factor (cos $\phi_1$ )	0,90	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)	0,0	Stroboscopic effect metric (SVM)	0,2

(a)-: not applicable;

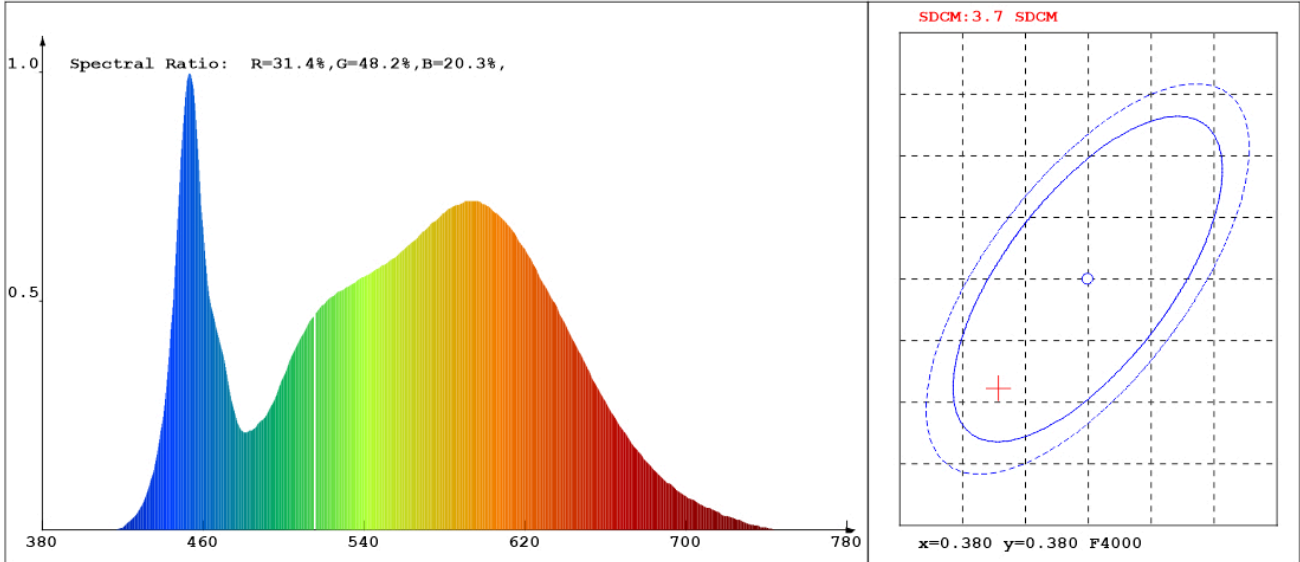
(b)-: not applicable;

# LED Test Report

**Product Mark**

Product Type :  
 Temperature :65'C  
 Operator :admin  
 Remark :

Manufacturer :BOHUA  
 Humidity :65%  
 Test Date :2022-05-05 14:15:38



**Chroma Parameters**

Chro.Coor.:x=0.3729 y=0.3711 u=0.2224 v=0.3320 duv=-0.0004  
 CCT: 4174K Dominant Wave.:578.6nm Purity:23.3%  
 Flux RGB Ratio:R=17.9%,G=79.4%,B=2.7% Peak Wave:453.5nm Half Width:18.3nm

**Rendering Index:Ra= 83.7**

R1 =82	R2 =90	R3 =95	R4 =82	R5 =83	R6 =87	R7 =86	R8 =65
R9 =11	R10=76	R11=81	R12=58	R13=85	R14=97	R15=77	

**Photo Parameters**

Flux:1027.57lm      Effi.:106.3lm/W      Radiant:2825.1mW      Iv:0.0mcd  
 Efficiency:0.123      Effi Level:A+ (EU 874-2012)

**Ele. Parameters**

Voltage:U=230.100V      Current:I=0.0450A  
 Power:P=9.66W      Power Factor:PF=0.927

**Lamp Parameters**

Voltage:U=0.000V      Current:I=0.0000A      Power:P=0.00W  
 Power Factor:PF=1.000      Efficacy:0.0lm/W

**Instrument state**

Instrument:Hopoo HP8000      Integral Time: 129.170ms      VPeak: 13866  
 VDark: 1470      Product ID: 201306373