

# 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:** 99POMX40/BL

## 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):	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	20	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°)	2 000 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	21,5	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	50	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	70	
	Depth	330	
			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)	0,383 0,385
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	3	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;

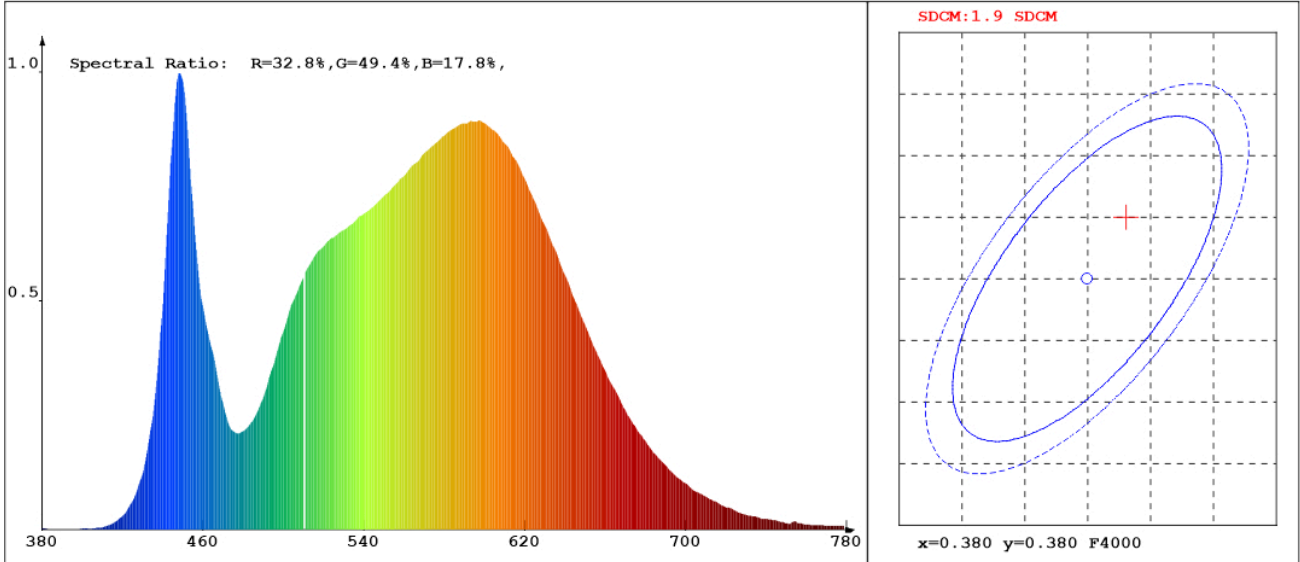
(b)-: not applicable;

# LED Test Report

**Product Mark**

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

Manufacturer : BOHUA  
 Humidity : 65%  
 Test Date : 2022-03-15 15:20:26



**Chroma Parameters**

Chro.Coord.: x=0.3831 y=0.3850 u=0.2236 v=0.3370 duv=0.0030  
 CCT: 3989K Dominant Wave.: 577.6nm Purity: 30.5%  
 Flux RGB Ratio: R=18.0%, G=79.9%, B=2.1% Peak Wave: 448.5nm Half Width: 19.0nm

**Rendering Index: Ra= 81.7**

R1 =79	R2 =87	R3 =93	R4 =82	R5 =80	R6 =83	R7 =86	R8 =63
R9 =3	R10=69	R11=81	R12=60	R13=81	R14=96	R15=73	

**Photo Parameters**

Flux: 2178.39lm      Effi.: 101.01lm/W      Radiant: 4384.2mW      Iv: 0.0mcd  
 Efficiency: 0.135      Effi Level: A+ (EU 874-2012)

**Ele. Parameters**

Voltage: U=230.300V      Current: I=0.0970A  
 Power: P=21.56W      Power Factor: PF=0.958

**Lamp Parameters**

Voltage: U=0.000V      Current: I=0.0000A      Power: P=0.00W  
 Power Factor: PF=1.000      Efficacy: 0.01lm/W

**Instrument state**

Instrument: Hopoo HP8000      Integral Time: 79.146ms      VPeak: 14970  
 VDark: 1334      Product ID: 201306373