

# 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:** 99POMX30/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°)	2 100 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	3 000
On-mode power ( $P_{on}$ ), expressed in W	21,3	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	83
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)	0,440 0,405
<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	3
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;

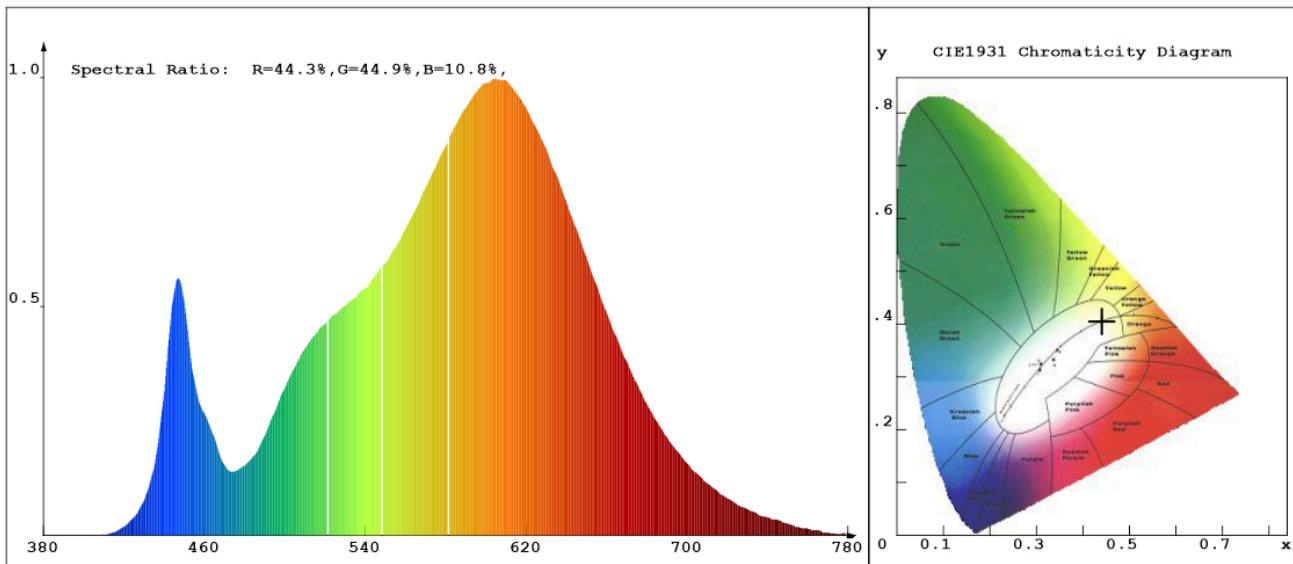
(b)-: not applicable;

# LED Test Report

**Product Mark**

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

Manufacturer :BOHUA  
 Humidity :65%  
 Test Date :2022-06-13 09:24:22



**Chroma Parameters**

Chro.Coor.:x=0.4406 y=0.4053 u=0.2524 v=0.3483 duv=0.0000  
 CCT: 2951K Dominant Wave.:583.0nm Purity:53.9%  
 Flux RGB Ratio:R=23.3%,G=75.3%,B=1.4% Peak Wave:603.7nm Half Width:128.6nm

**Rendering Index:Ra= 83.4**

R1 =82	R2 =90	R3 =97	R4 =83	R5 =82	R6 =89	R7 =84	R8 =61
R9 =11	R10=79	R11=83	R12=73	R13=84	R14=99	R15=74	

**Photo Parameters**

Flux:2187.07lm      Effi.:102.3lm/W      Radiant:5065.7mW      Iv:0.0mcd  
 Efficiency:0.133      Effi Level:A+ (EU 874-2012)

**Ele. Parameters**

Voltage:U=221.300V      Current:I=0.0990A  
 Power:P=21.37W      Power Factor:PF=0.970

**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: 89.896ms      VPeak: 13050  
 VDark: 1041      Product ID: 201306373