

# 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:** 99PFM1505030/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:	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	50	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°)	4 800 in Wide cone (120°)	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	49,1	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	-	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	84
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)	0,427 0,398	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	11	Survival factor	0,70	
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

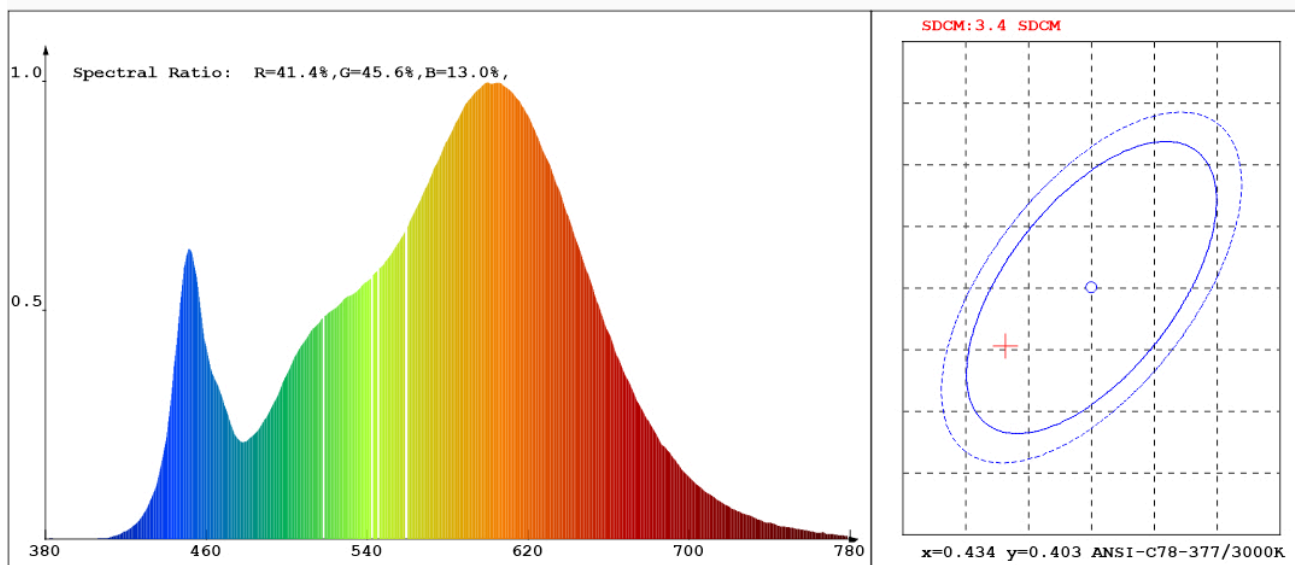
Operator :admin

Remark:

Manufacturer :BOHUA

Humidity :65%

Test Date :2022-06-08 16:43:03



## Chroma Parameters

Chro.Coar.:x=0.4270 y=0.3983 u=0.2467 v=0.3451 duv=-0.0009

CCT: 3126K Dominant Wave.:582.6nm Purity:47.7%

Flux RGB Ratio:R=22.4%,G=75.8%,B=1.8% Peak Wave:599.6nm Half Width:132.5nm

## Rendering Index:Ra= 84.0

R1 =83 R2 =93 R3 =96 R4 =82 R5 =84 R6 =91 R7 =83 R8 =61

R9 =11 R10=83 R11=83 R12=73 R13=86 R14=98 R15=76

## Photo Parameters

Flux:4989.95lm

Effi.:101.5lm/W

Radiant:12490.4mW

Iv:0.0mcd

Efficiency:0.134

Effi Level:A+ (EU 874-2012)

## Ele. Parameters

Voltage:U=229.200V

Current:I=0.2170A

Power:P=49.16W

Power Factor:PF=0.984

## 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: 38.846ms

VPeak: 13242

VDark: 1238

Product ID: 201306373