

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: 99PFMX30/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
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	20	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	2 118 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	21,5	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	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	334	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,444 0,406
Parameters for LED and OLED light sources:			
R9 colour rendering index value	13	Survival factor	0,50
the lumen maintenance factor	0,95		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_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;

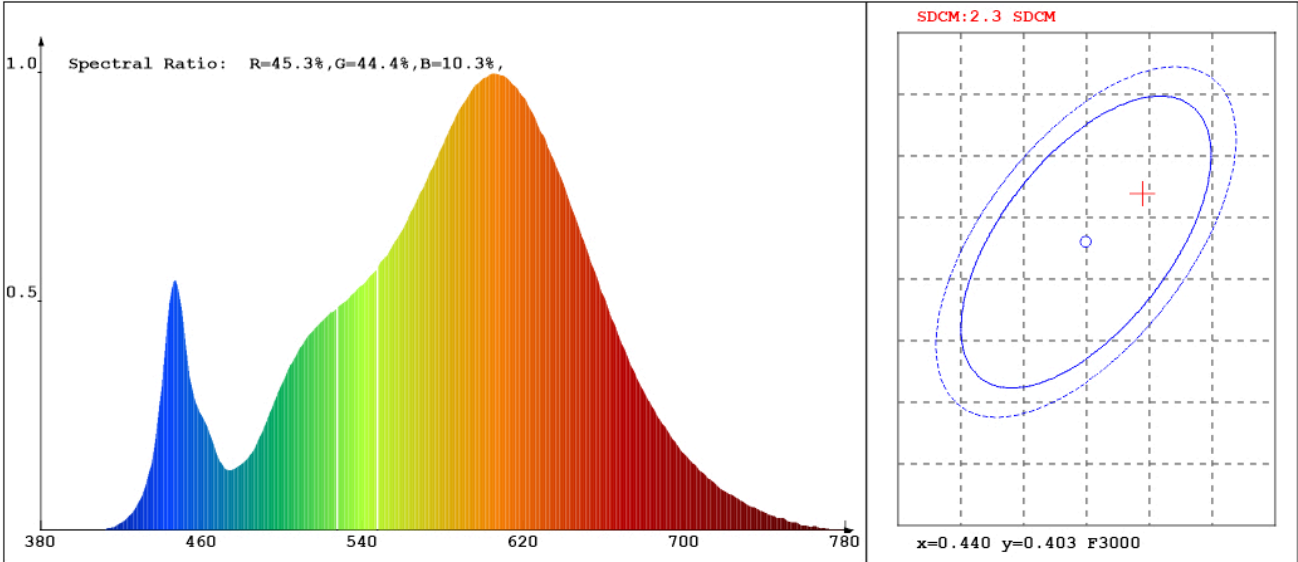
(b)-: not applicable;

LED Test Report

Product Mark

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

Manufacturer :BOHUA
 Humidity :65%
 Test Date :2022-03-23 11:04:34



Chroma Parameters

Chro.Coor.:x=0.4445 y=0.4069 u=0.2543 v=0.3491 duv=0.0001
 CCT: 2898K Dominant Wave.:583.2nm Purity:55.6%
 Flux RGB Ratio:R=23.7%,G=75.0%,B=1.3% Peak Wave:605.7nm Half Width:128.6nm

Rendering Index:Ra= 83.8

R1 =82	R2 =91	R3 =97	R4 =84	R5 =83	R6 =89	R7 =84	R8 =61
R9 =13	R10=79	R11=84	R12=74	R13=84	R14=99	R15=75	

Photo Parameters

Flux:2118.60lm Effi.:98.5lm/W Radiant:5217.7mW Iv:0.0mcd
 Efficiency:0.138 Effi Level:A+ (EU 874-2012)

Ele. Parameters

Voltage:U=230.100V Current:I=0.1010A
 Power:P=21.50W Power Factor:PF=0.920

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: 59.123ms VPeak: 14650
 VDark: 1406 Product ID: 201306373