

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/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):	No
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	10	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°)	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	0,20
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	83
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 ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,372 0,371	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	11	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	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;

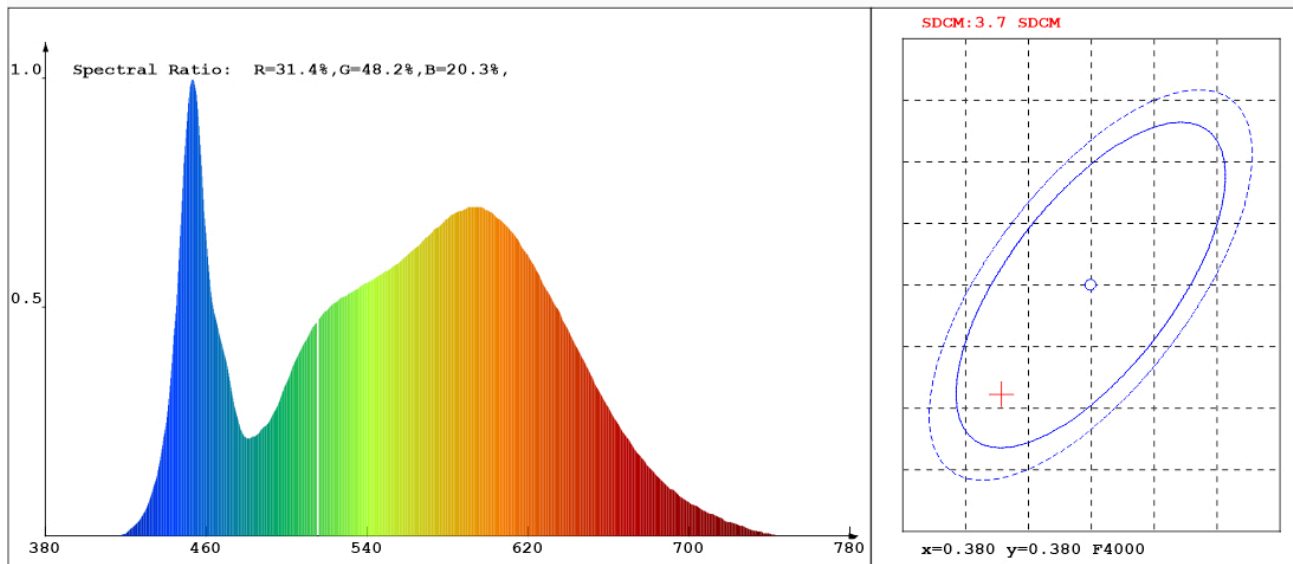
(b) '-': not applicable;

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.Coar.: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