

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/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	50	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°)	4 300 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 ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,427 0,398	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	11	Survival factor	0,70	
the lumen maintenance factor	0,95			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,98	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;

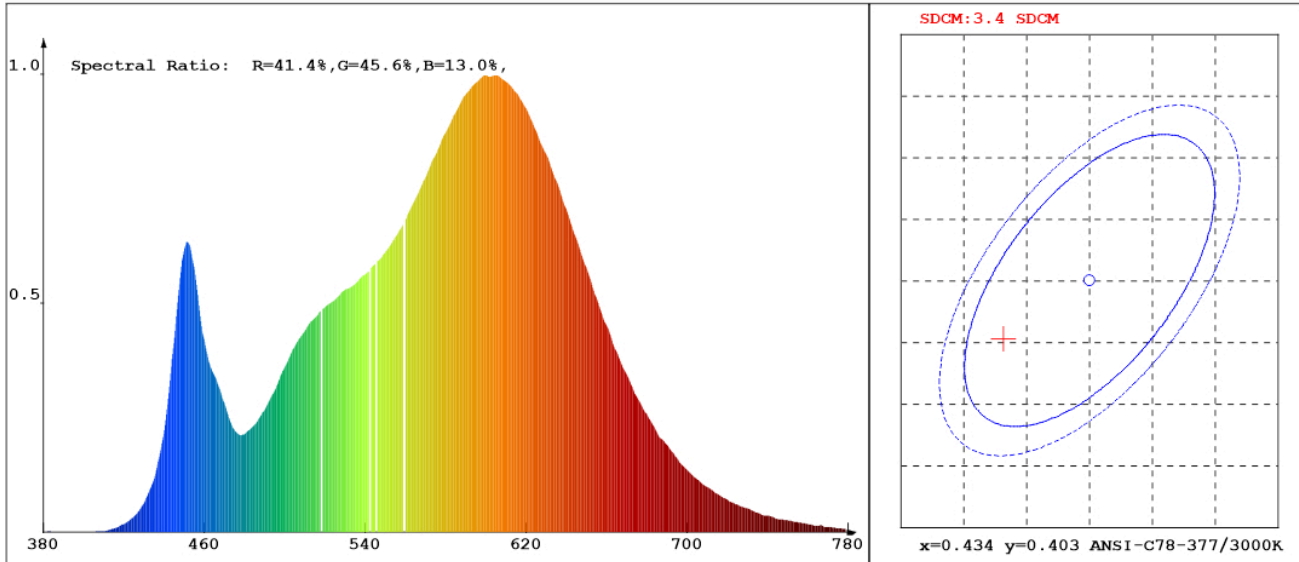
(b) '-': not applicable;

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.Coord.: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