

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: 99POMX40/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:	No		
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°)	2 000 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	21,5	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,00
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	81
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 ^(a)	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,383 0,385
Parameters for LED and OLED light sources:			
R9 colour rendering index value	3	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;

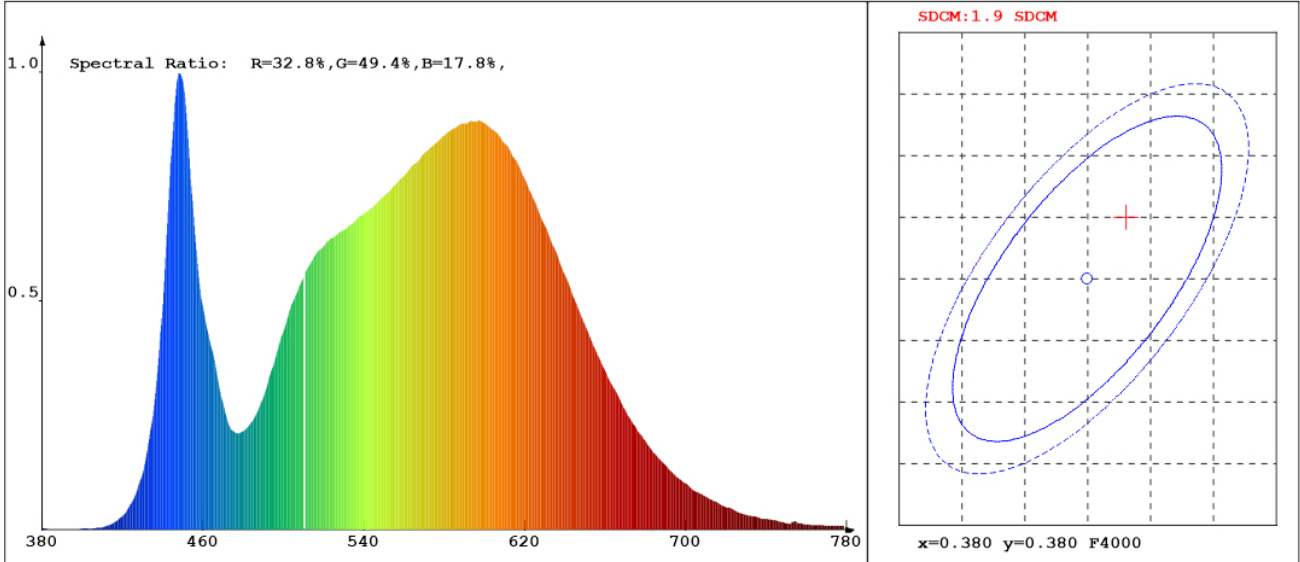
(b)-: not applicable;

LED Test Report

Product Mark

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

Manufacturer :BOHUA
 Humidity :65%
 Test Date :2022-03-15 15:20:26



Chroma Parameters

Chro.Coor.:x=0.3831 y=0.3850 u=0.2236 v=0.3370 duv=0.0030
 CCT: 3989K Dominant Wave.:577.6nm Purity:30.5%
 Flux RGB Ratio:R=18.0%,G=79.9%,B=2.1% Peak Wave:448.5nm Half Width:19.0nm

Rendering Index:Ra= 81.7

R1 =79	R2 =87	R3 =93	R4 =82	R5 =80	R6 =83	R7 =86	R8 =63
R9 =3	R10=69	R11=81	R12=60	R13=81	R14=96	R15=73	

Photo Parameters

Flux:2178.39lm Effi.:101.0lm/W Radiant:4384.2mW Iv:0.0mcd
 Efficiency:0.135 Effi Level:A+ (EU 874-2012)

Ele. Parameters

Voltage:U=230.300V Current:I=0.0970A
 Power:P=21.56W Power Factor:PF=0.958

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: 79.146ms VPeak: 14970
 VDark: 1334 Product ID: 201306373