

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: 99POMT40/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	15	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°)	1 536 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	14,2	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	82
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)	0,382 0,383
Parameters for LED and OLED light sources:			
R9 colour rendering index value	6	Survival factor	0,50
the lumen maintenance factor	0,95		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	0,50	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;

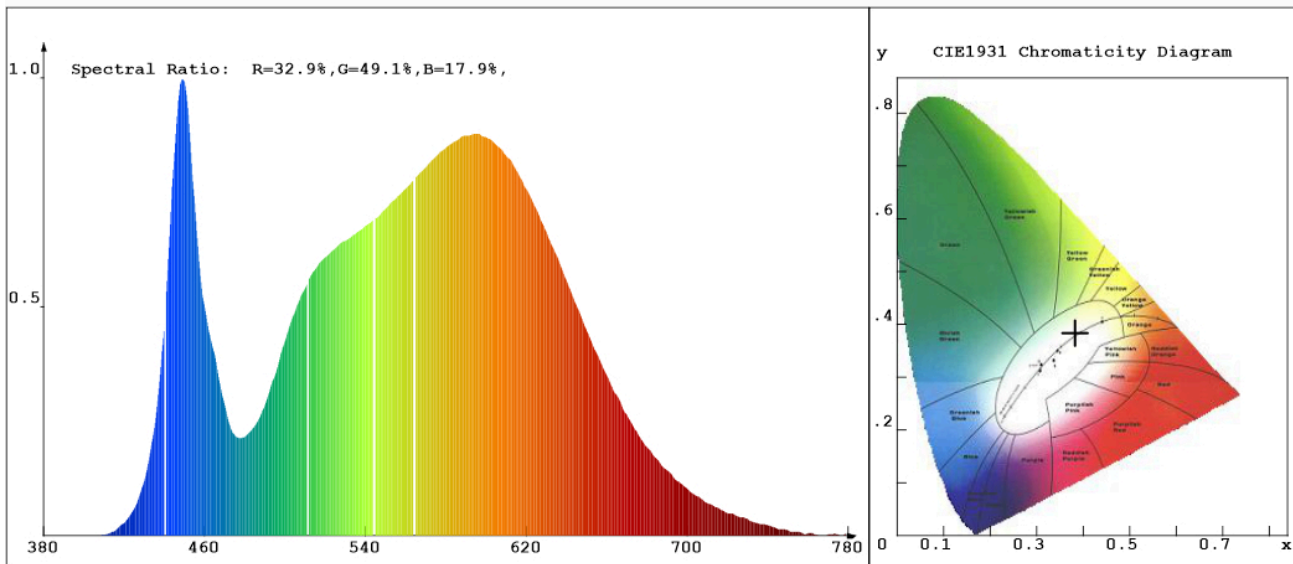
(b)-: not applicable;

LED Test Report

Product Mark

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

Manufacturer : BOHUA
 Humidity : 65%
 Test Date : 2022-03-17 14:53:20



Chroma Parameters

Chro.Coor.: x=0.3826 y=0.3837 u=0.2238 v=0.3366 duv=0.0026
 CCT: 3992K Dominant Wave.: 577.8nm Purity: 30.0%
 Flux RGB Ratio: R=18.1%, G=79.8%, B=2.1% Peak Wave: 448.5nm Half Width: 19.0nm

Rendering Index: Ra= 82.3

R1 =80	R2 =88	R3 =94	R4 =82	R5 =80	R6 =83	R7 =87	R8 =65
R9 =6	R10=71	R11=82	R12=60	R13=82	R14=97	R15=74	

Photo Parameters

Flux: 1536.43lm Effi.: 107.7lm/W Radiant: 5041.0mW Iv: 0.0mcd
 Efficiency: 0.126 Effi Level: A+ (EU 874-2012)

Ele. Parameters

Voltage: U=229.500V Current: I=0.0640A
 Power: P=14.26W Power Factor: PF=0.967

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: 66.410ms VPeak: 14698
 VDark: 1357 Product ID: 201306373