

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: 98PRAGUE50/WW

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
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	C
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°)	7 010 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	51,2	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	71
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)	0,438 0,402	
Parameters for directional light sources:				
Peak luminous intensity (cd)	3 088	Beam angle in degrees, or the range of beam angles that can be set	108	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	-36	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)	0,5	Stroboscopic effect metric (SVM)	0,2	

(a) '-': not applicable;

(b) '-': not applicable;

Lighting Measure Report

Color Parameter

Chroma Coordinate: $x=0.4385$ $y=0.4062$ $u=0.2507$ $v=0.3483$

Chroma Coordinate: $u'=0.2507$ $v'=0.5224$

CCT: CCT=2991K Dominant: $d=583.2\text{nm}$ Barycenter: $b=586\text{nm}$ Peak Wavelength: $p=594.5\text{nm}$

FWHM: 110.3nm Purity: $Pe=53.4\%$ Red Ratio: $R=0.211$ Green Ratio: $G=0.77$ Blue Ratio: $B=0.019$

Color CRI: $Ra=71.23$

R 1=67 R 2=83 R 3=95 R 4=65 R 5=66 R 6=75 R 7=77

R 8=42 R 9=36 R 10=59 R 11=59 R 12=47 R 13=70 R 14=97

R 15=60

Luminosity Parameter

Luminous Flux(380-780nm): 5839.74lm Optical Power(380-780nm): 17.3W Efficient(380-780nm): 114.1lm/W

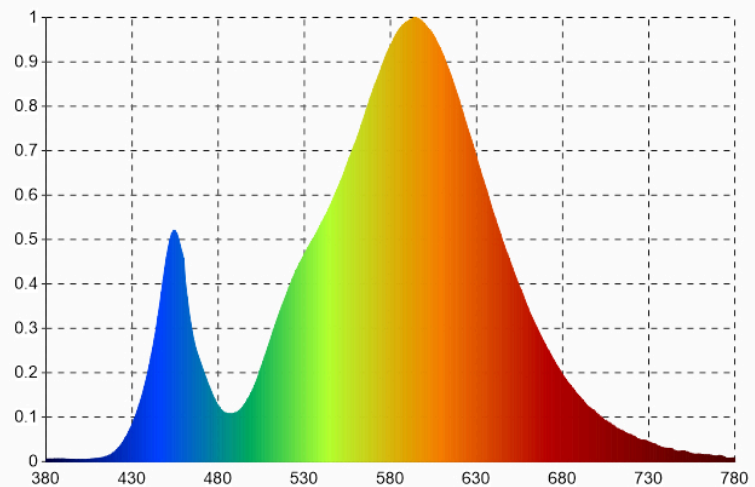
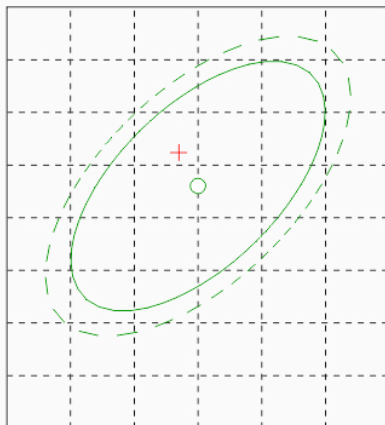
Electric Parameter

Voltage: $U=220.4\text{V}$ Current: $I=238\text{mA}$ Power: $P=51.2\text{W}$ PF: $PF=0.975$

Device State

Wavelength Range: 380nm-780nm Wavelength Interval: 1nm

SDCM: 2.4 SDCM



Product Model: 98PRAGUE50/WW

Sample No.: 1

Test Cond: $Tg=24.2\text{Cels}$ $Ta=24.6\text{Cels}$ $RH=60\%$

Test Date: 2022-6-5

Manufacturer: WONON

Product Category: /

Measure Device: Volnic X10 Series CCD Spectrum System

Operator(Sign): _____

Model placed on the Union market from 20/11/2024.



EPREL registration number: 1272177

<https://eprel.ec.europa.eu/qr/1272177>

Supplier: ELMARK INDUSTRIES SC (Importer)

Website: www.elmarkholding.eu

Customer care service:

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