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: 98PRAGUE200/W

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	200	Energy efficiency class	D
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	24 000 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	198,0	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	660	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Width	265		
Depth	89		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,376 0,379
Parameters for directional light sources:				
Peak luminous intensity (cd)		14 296	Beam angle in degrees, or the range of beam angles that can be set	109
Parameters for LED and OLED light sources:				
R9 colour rendering index value		-34	Survival factor	0,50
the lumen maintenance factor		0,95		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		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)		0,4	Stroboscopic effect metric (SVM)	0,2

[(a)] '-' : not applicable;

[(b)] '-' : not applicable;

Lighting Measure Report

Color Parameter

Chroma Coordinate:x=0.3768 y=0.3799 u=0.2214 v=0.3349

Chroma Coordinate:u'=0.2214 v'=0.5024

CCT.:CCT=4124K Dominant: d=576.9nm Barycenter: b=566nm Peak Wavelength: p=446.9nm

FWHM: 18.7nm Purity:Pe=27.07% Red Ratio:R=0.162 Green Ratio:G=0.816 Blue Ratio:B=0.023

Color CRI.:Ra=71.5

R 1=69	R 2=77	R 3=85	R 4=72	R 5=68	R 6=68	R 7=80
R 8=52	R 9=-34	R10=46	R11=68	R12=41	R13=70	R14=92
R15=62						

Luminosity Parameter

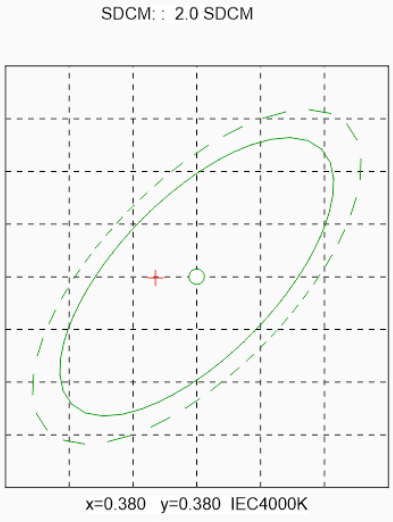
Luminous Flux(380-780nm):24420lm Optical Power(380-780nm):95.08W Efficient(380-780nm):123.3lm/W

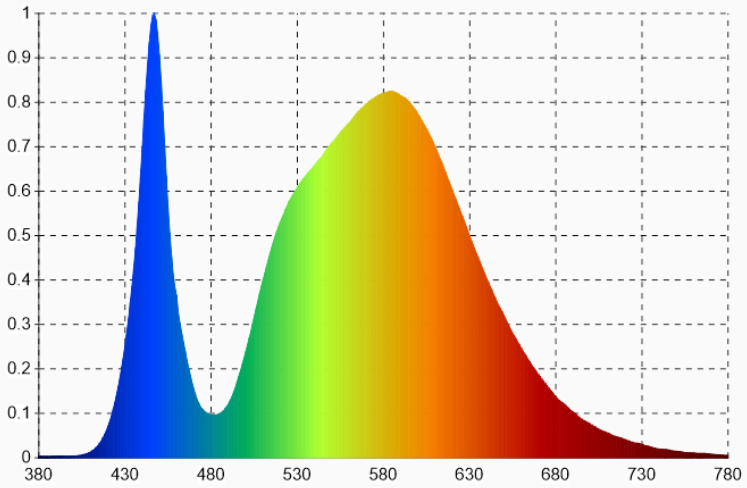
Electric Parameter

Voltage: U=219.7V Current: I=926mA Power: P=198W PF: PF=0.974

Device State

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





Product Model: **98PRAGUE200/W**

Manufacturer: WONON

Sample No.: 1

Product Category: /

Test Cond:Tg=24.2Cels Ta=24.6Cels RH=60%

Measure Device: Volnic X10 Series CCD Spectrum System

Test Date: 2022-6-6

Operator(Sign):_____