

# 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:** 98PRAGUE150/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
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	150	Energy efficiency class	D
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	18 000 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	148,3	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	610	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	253	
	Depth	88	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power <sup>(a)</sup>	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,375 0,378
<b>Parameters for directional light sources:</b>			
Peak luminous intensity (cd)	9 493	Beam angle in degrees, or the range of beam angles that can be set	113
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	-32	Survival factor	0,50
the lumen maintenance factor	0,95		
<b>Parameters for LED and OLED mains light sources:</b>			
displacement factor (cos $\phi_1$ )	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.	.. <sup>(b)</sup>	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:  $x=0.3759$   $y=0.3786$   $u=0.2214$   $v=0.3345$

Chroma Coordinate:  $u'=0.2214$   $v'=0.5017$

CCT: CCT=4140K Dominant:  $d=576.8\text{nm}$  Barycenter:  $b=566\text{nm}$  Peak Wavelength:  $p=446.9\text{nm}$

FWHM: 18.65nm Purity:  $Pe=26.42\%$  Red Ratio:  $R=0.162$  Green Ratio:  $G=0.815$  Blue Ratio:  $B=0.023$

Color CRI:  $Ra=71.88$

R 1=69

R 2=78

R 3=85

R 4=72

R 5=69

R 6=69

R 7=81

R 8=53

R 9=-32

R10=47

R11=69

R12=42

R13=70

R14=92

R15=63

## Luminosity Parameter

Luminous Flux(380-780nm): 18442.1lm Optical Power(380-780nm): 69.27W Efficient(380-780nm): 124.4lm/W

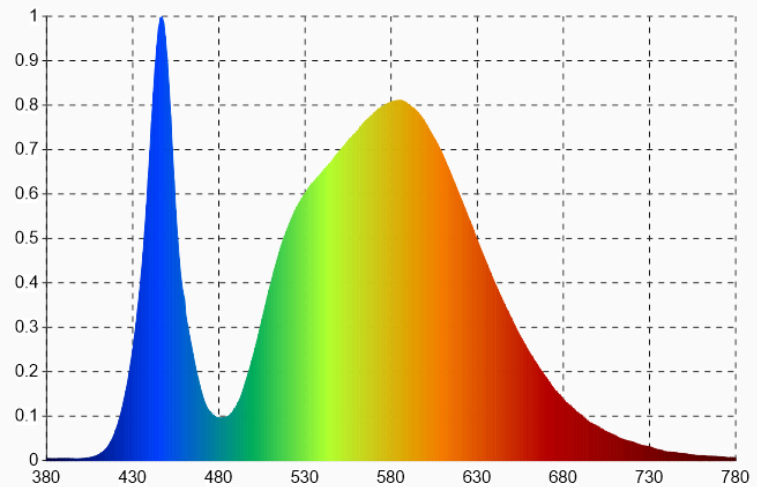
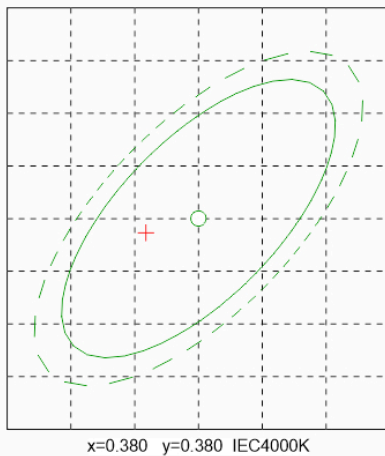
## Electric Parameter

Voltage:  $U=219.6\text{V}$  Current:  $I=693\text{mA}$  Power:  $P=148.3\text{W}$  PF:  $PF=0.975$

## Device State

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

SDCM: 2.2 SDCM



Product Model: 98PRAGUE150/W

Sample No.: 1

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

Test Date: 2022-6-6

Manufacturer: WONON

Product Category: /

Measure Device: Volnic X10 Series CCD Spectrum System

Operator(Sign): \_\_\_\_\_