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: 98PRAGUE30/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	30	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)	3 800 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	29,0	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	410	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Width	200		
Depth	82		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,440 0,409
Parameters for directional light sources:				
Peak luminous intensity (cd)		3 023	Beam angle in degrees, or the range of beam angles that can be set	106
Parameters for LED and OLED light sources:				
R9 colour rendering index value		-37	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)		0,6	Stroboscopic effect metric (SVM)	0,4

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

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

Lighting Measure Report

Color Parameter

Chroma Coordinate:x=0.4405 y=0.4091 u=0.2507 v=0.3492

Chroma Coordinate:u'=0.2507 v'=0.5239

CCT.:CCT=2981K Dominant: d=581.8nm Barycenter: b=586nm Peak Wavelength: p=594.6nm

FWHM: 109.9nm Purity:Pe=55.15% Red Ratio:R=0.212 Green Ratio:G=0.77 Blue Ratio:B=0.019

Color CRI.:Ra=71.45

R 1=68	R 2=83	R 3=95	R 4=66	R 5=66	R 6=76	R 7=77
R 8=42	R 9=-37	R10=60	R11=59	R12=46	R13=71	R14=98
R15=60						

Luminosity Parameter

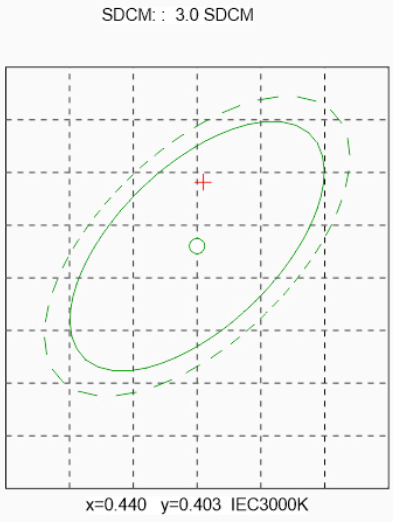
Luminous Flux(380-780nm):3915.6lm Optical Power(380-780nm):10.97W Efficient(380-780nm):135lm/W

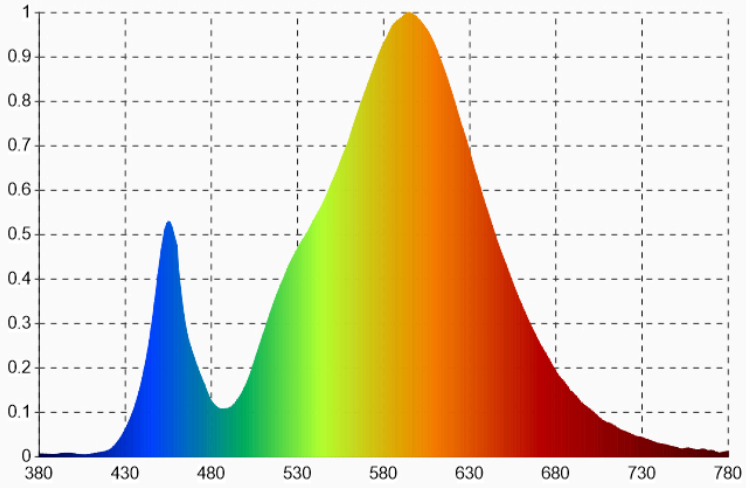
Electric Parameter

Voltage: U=220.4V Current: I=141mA Power: P=29W PF: PF=0.933

Device State

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





Product Model: **98PRAGUE30/WW**

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):_____