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: 98VEGA50WW/WH

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):	Yes
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	G
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)		3 000 in Wide cone (120°)	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		45,8	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		0,20	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	81
Outer dimensions without separate control gear, lighting control	Height	205	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width	30		
	Depth	160		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,433 0,403
Parameters for directional light sources:				
Peak luminous intensity (cd)		1 403	Beam angle in degrees, or the range of beam angles that can be set	112
Parameters for LED and OLED light sources:				
R9 colour rendering index value		1	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)		0,0	Stroboscopic effect metric (SVM)	0,2

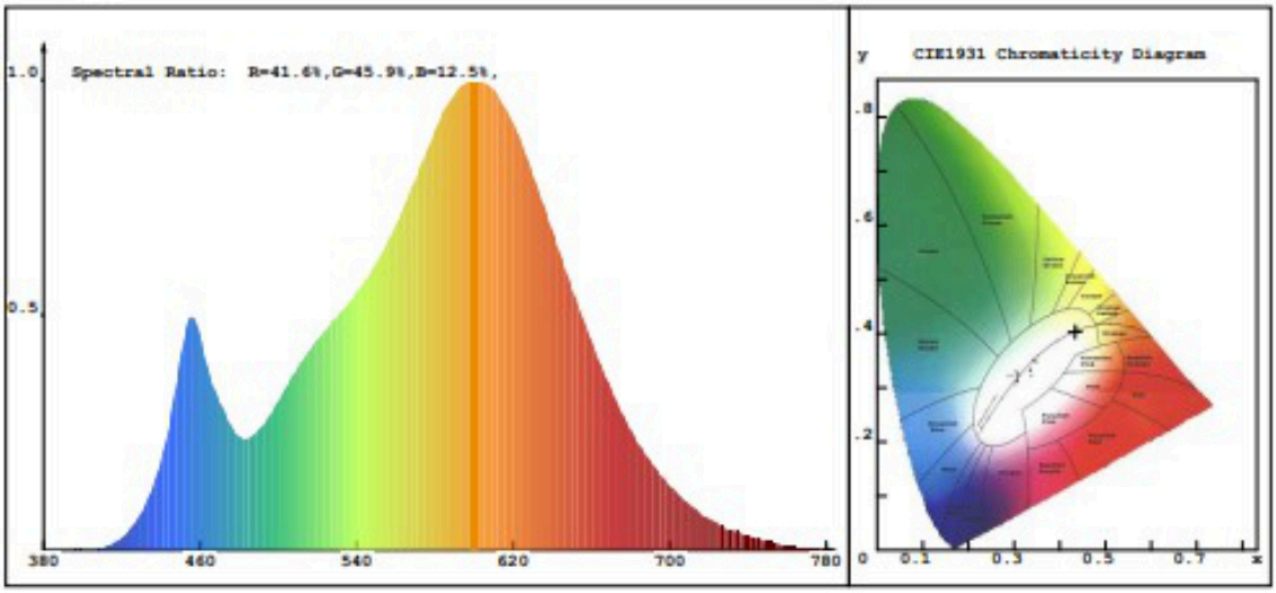
[(a)] '-' : not applicable;

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

LED Test Report

Product Mark

Product Type :50W
Manufacturer :
Temperature :25°C
Humidity :65%
Operator :Q1
Test Date :2022-06-20
Remark:



Chroma Parameters

Chro.Coor.:x=0.4337 y=0.4031 u=0.2489 v=0.3470 duv=0.0001
CCT: 3048K Dominant Wave.:582.6nm Purity:51.2%
Flux RGB Ratio:R=22.4%,G=75.8%,B=1.8% Peak Wave:597.6nm Half Width:124.3nm

Rendering Index:Ra= 81.2

R1 =79	R2 =91	R3 =95	R4 =78	R5 =80	R6 =90	R7 =81	R8 =56
R9 =1	R10=80	R11=76	R12=71	R13=82	R14=98	R15=72	

Photo Parameters

Flux:2991.91lm Effi.:67.01m/W Radiant:9078.4mW Iv:0.0mcd

Ele. Parameters

Voltage:U=230.300V Current:I=0.2120A
Power:P=44.63W Power Factor:PF=0.911

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 HP8000S Integral Time: 107.606ms VPeak: 13688
VDark: 1184 Product ID: 201305334