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: 98VEGA20WW/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:	No		
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	20	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)	1 400 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	20,4	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	80
Outer dimensions without separate control gear, lighting control — Height	105	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Outer dimensions without separate control gear, lighting control — Width	35		
Outer dimensions without separate control gear, lighting control — Depth	85		

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 0,399
Parameters for directional light sources:				
Peak luminous intensity (cd)		635	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		0	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

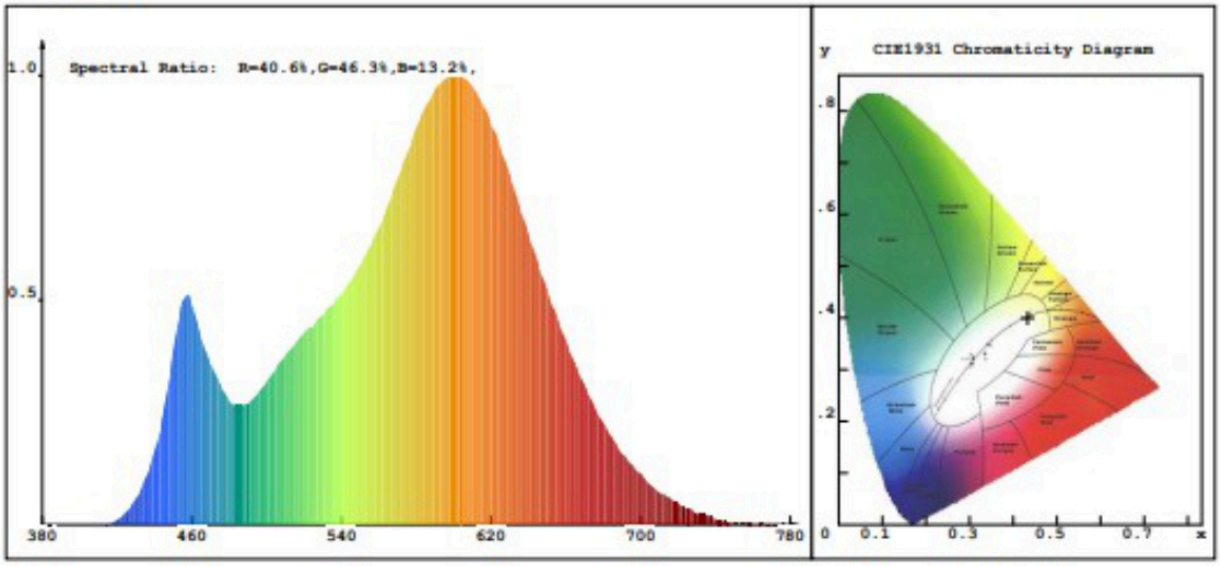
[(a)] '-' : not applicable;

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

LED Test Report

Product Mark

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



Chroma Parameters

Chro.Coor.:x=0.4331 y=0.3996 u=0.2501 v=0.3460 duv=-0.0013
CCT: 3028K Dominant Wave.:583.2nm Purity:49.9%
Flux RGB Ratio:R=22.6%,G=75.4%,B=2.0% Peak Wave:599.4nm Half Width:114.8nm

Rendering Index:Ra= 80.7

R1 =80	R2 =93	R3 =92	R4 =77	R5 =81	R6 =93	R7 =78	R8 =53
R9 =0	R10=84	R11=75	R12=75	R13=83	R14=96	R15=72	

Photo Parameters

Flux:1277.51lm Effi.:62.61m/W Radiant:3561.6mW Iv:0.0mcd

Ele. Parameters

Voltage:U=230.500V Current:I=0.0940A
Power:P=20.42W Power Factor:PF=0.934

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: 254.639ms VPeak: 13496
VDark: 1399 Product ID: 201305334