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: 98VEGA20SENSLIM/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

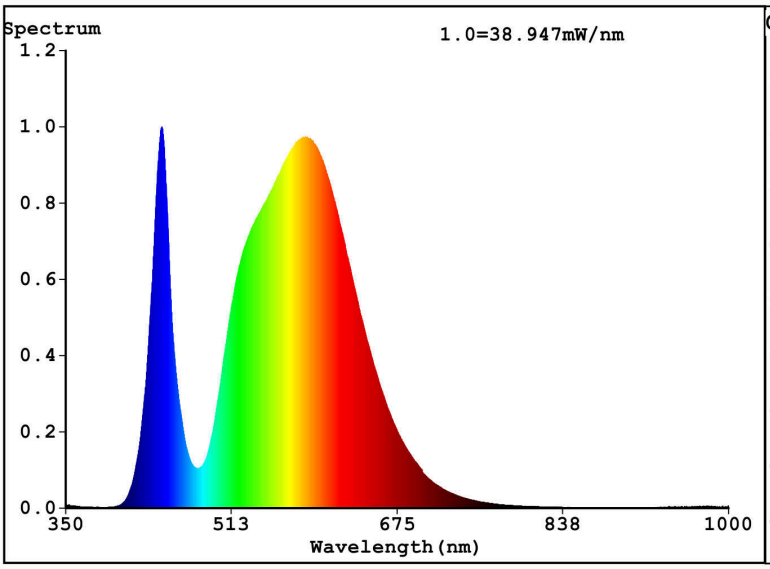
Parameter		Value	Parameter	Value
General product parameters:				
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer		20	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)		1 800 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	4 000
On-mode power (P_{on}), expressed in W		20,0	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,50
Networked standby power (P_{net}) for CLS, expressed in W and rounded to the second decimal		0,50	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	91	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width	121		
	Depth	25		

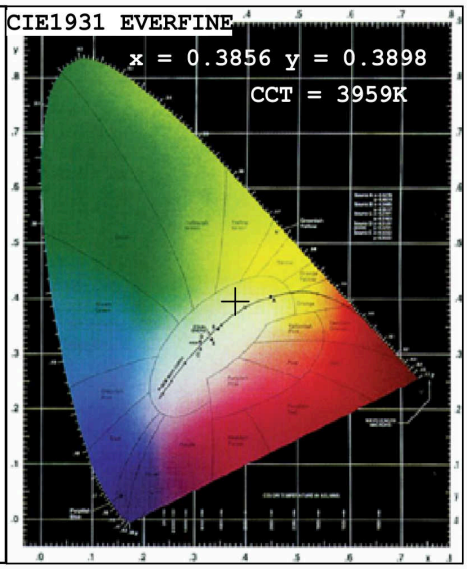
parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,385 0,389
Parameters for directional light sources:				
Peak luminous intensity (cd)		633	Beam angle in degrees, or the range of beam angles that can be set	112
Parameters for LED and OLED light sources:				
R9 colour rendering index value		0	Survival factor	0,70
the lumen maintenance factor		0,93		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,90	Colour consistency in McAdam ellipses	1
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)	0,0

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

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

Spectrum Test Report





Color Parameters:

Chromaticity Coordinate:x=0.3856 y=0.3898/u'=0.2233 v'=0.5080

CCT=3959K(Duv=0.0045) Dominant WL:Ld =577.1nm WL:Lc = --nm Purity=32.7%

Ratio:R=16.6% G=81.3% B=2.1%¡¡Peak WL:Lp=444.2nm FWHM=21.6nm

Render Index:Ra=71.3

R1 =68	R2 =77	R3 =85	R4 =72	R5 =68	R6 =68	R7 =80	
R8 =52	R9 =0	R10=46	R11=69	R12=44	R13=69	R14=91	R15=61

Photo Parameters:

Flux = 2143 lm Eff. : 106.99 lm/W Fe = 6.110 W

Electrical parameters:

V = 230.01 V I = 0.09293 A P = 20.03 W PF = 0.9370

WHITE:ANSI_4000K

Status: Integral T = 23 ms Ip = 49451 (75%)

Model:VEGA SEN SLIM/20W	Number:98VEGA20SENSLIM/WH
Tester:Petya Marinova	Date:2019-08-01 08:39:33
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:O19V007B_5765