

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

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

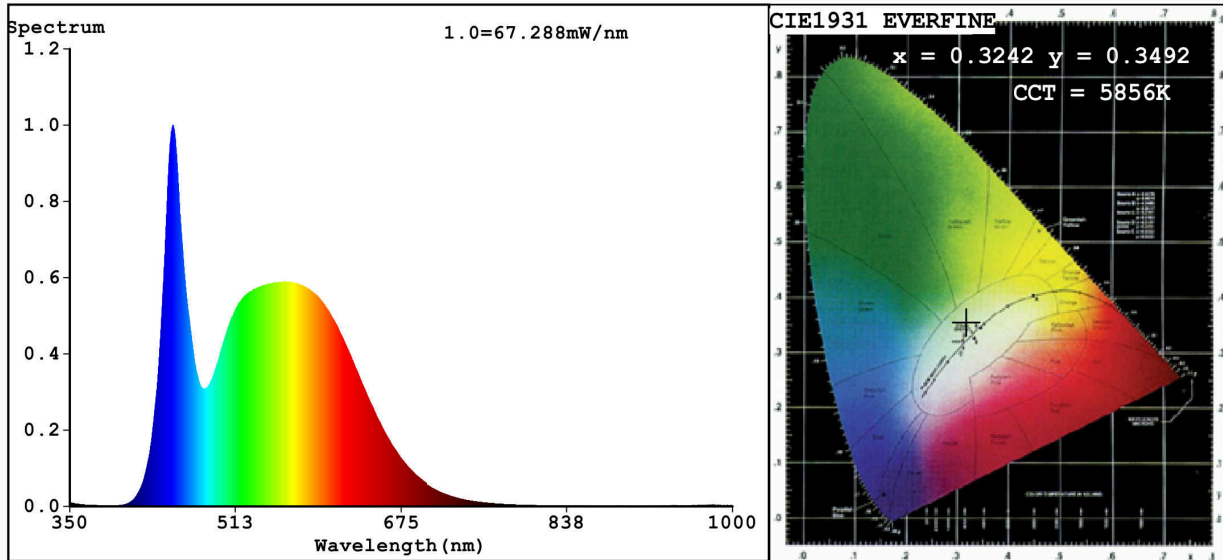
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	20	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	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	5 500
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	82
Outer dimensions without separate control gear, lighting control	Height	91	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	121	
	Depth	25	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,324 0,349
Parameters for directional light sources:			
Peak luminous intensity (cd)	450	Beam angle in degrees, or the range of beam angles that can be set	110
Parameters for LED and OLED light sources:			
R9 colour rendering index value	2	Survival factor	0,70
the lumen maintenance factor	0,93		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	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: $x=0.3242$ $y=0.3492$ / $u'=0.1982$ $v'=0.4804$
 CCT=5856K (Duv=0.0078) Dominant WL:Ld =516.8nm WL:Lc = --nm Purity=3.2%
 Ratio:R=13.8% G=80.9% B=5.3% ; Peak WL:Lp=450.9nm FWHM=26.6nm
 Render Index:Ra=82.6

R1 =79 R2 =87 R3 =93 R4 =82 R5 =81 R6 =83 R7 =88
 R8 =67 R9 =2 R10=70 R11=81 R12=61 R13=82 R14=96 R15=73

Photo Parameters:

Flux = 2596 lm Eff. : 137.31 lm/W Fe = 8.168 W

Electrical parameters:

V = 220.10 V I = 0.09442 A P = 18.91 W PF = 0.9098

WHITE:ANSI_5700K

Status: Integral T = 25 ms Ip = 49714 (76%)

Model:LED FLOODLIGHT
 Tester:Atanas DAKOV
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:98VEGA20SENSLIM
 Date:2020-07-30 16:15:28
 Humidity:65.0%
 Remarks:6708