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: 99LED881WW

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:	NMLS	Connected light source (CLS):	Yes
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	Yes		
Anti-glare shield:	No	Dimmable:	No

Product parameters

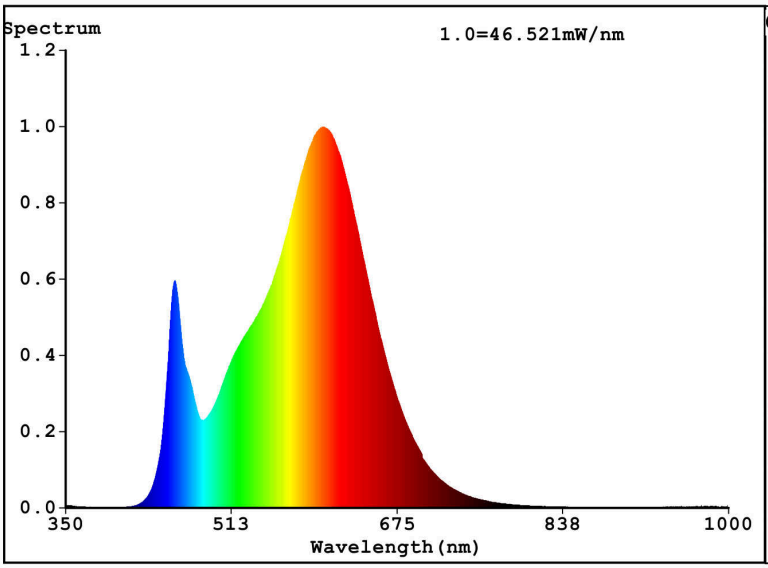
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	20	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	2 000 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	2 700
On-mode power (P_{on}), expressed in W	20,0	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	1 000	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Width	8		
Depth	2		

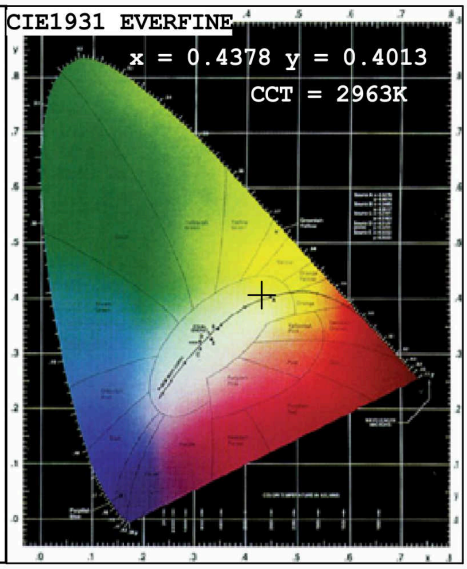
parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,437 0,401
Parameters for directional light sources:				
Peak luminous intensity (cd)		601	Beam angle in degrees, or the range of beam angles that can be set	117
Parameters for LED and OLED light sources:				
R9 colour rendering index value		4	Survival factor	0,90
the lumen maintenance factor		0,90		

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

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

Spectrum Test Report





Color Parameters:

Chromaticity Coordinate:x=0.4378 y=0.4013/u'=0.2523 v'=0.5204

CCT=2963K(Duv=-0.0012) Dominant WL:Ld =583.4nm WL:Lc = --nm Purity=51.8%

Ratio:R=23.2% G=73.8% B=2.9%¡¡Peak WL:Lp=601.5nm FWHM=117.8nm

Render Index:Ra=81.7 AvgR=76.4 TM30:Rf=82 Rg=94 Lav=589.2nm

R1 =81	R2 =94	R3 =92	R4 =78	R5 =81	R6 =92	R7 =79	
R8 =56	R9 =4	R10=85	R11=77	R12=72	R13=85	R14=97	R15=73

Photo Parameters:

Flux = 2210 lm Eff. : 112.11 lm/W Fe = 6.721 W

Electrical parameters:

V = 24.159 V I = 0.8160 A P = 19.71 W PF = 1.000

WHITE:ANSI_3000K

Status: Integral T = 22 ms Ip = 49911 (76%)

Model:LED STRIP LIGHTS	Number:99LED881WW
Tester:Atanas DAKOV	Date:2021-07-29 08:38:40
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks: