

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: 99LED882WW

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

Product parameters

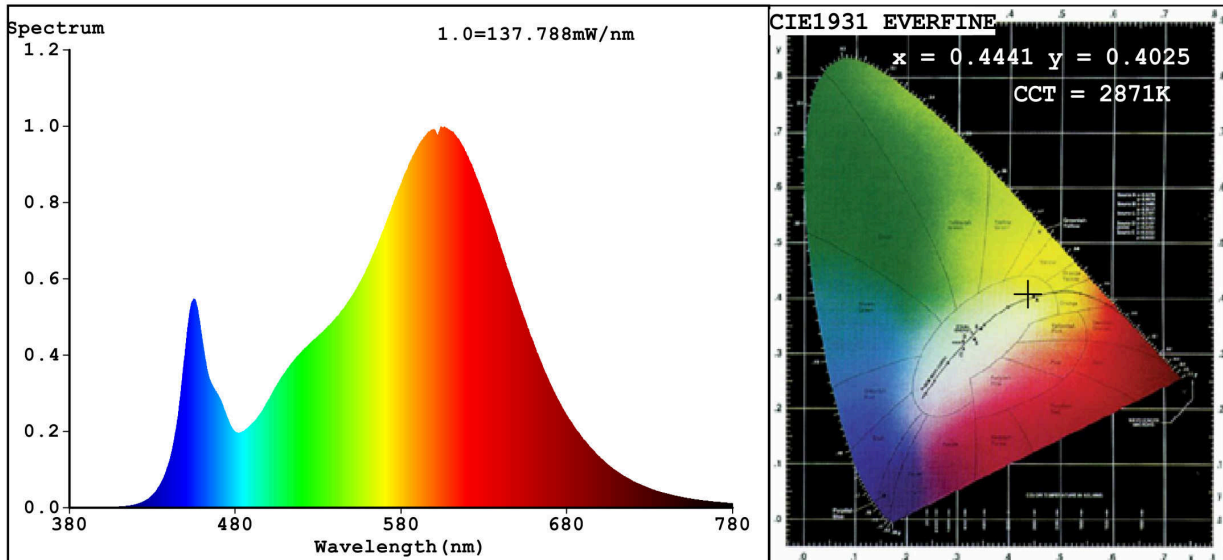
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	20	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	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	0,00
Networked standby power (P_{net}) for CLS, expressed in W and rounded to the second decimal	-	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
	Width	8	
	Depth	2	
			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)	0,444 0,402
Parameters for directional light sources:			
Peak luminous intensity (cd)	604	Beam angle in degrees, or the range of beam angles that can be set	120
Parameters for LED and OLED light sources:			
R9 colour rendering index value	1	Survival factor	0,50
the lumen maintenance factor	0,90		

(a): not applicable;

(b): not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4441$ $y=0.4025$ / $u'=0.2559$ $v'=0.5218$
 CCT=2871K (Duv=-0.0015) Dominant WL: $\lambda_d = 583.9\text{nm}$ Purity=54.1%
 Ratio: R=23.8% G=73.6% B=2.7% ; Peak WL: $\lambda_p = 604.1\text{nm}$ FWHM=113.1nm
 Render Index: Ra=81.2
 R1 =80 R2 =93 R3 =93 R4 =78 R5 =81 R6 =92 R7 =79
 R8 =54 R9 =1 R10=84 R11=77 R12=72 R13=84 R14=97 R15=72

Photo Parameters:

Flux = 6402 lm Eff. : 82.56 lm/W Fe = 19.31 W

Electrical parameters:

V = 24.416 V I = 3.176 A P = 77.54 W PF = 1.000

WHITE: ANSI_2700K

Status: Integral T = 6 ms Ip = 52120 (80%)

Model: LED 960 24V/20W/m
 Tester: Petya Marinova
 Temperature: 25.3Deg
 Manufacturer: ELMARK

Number: 99LED882WW
 Date: 2019-05-10 14:28
 Humidity: 65.0%
 Remarks: 018V053A_5526