

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: 99LED880

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	GU5.3		
Mains or non-mains:	NMLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

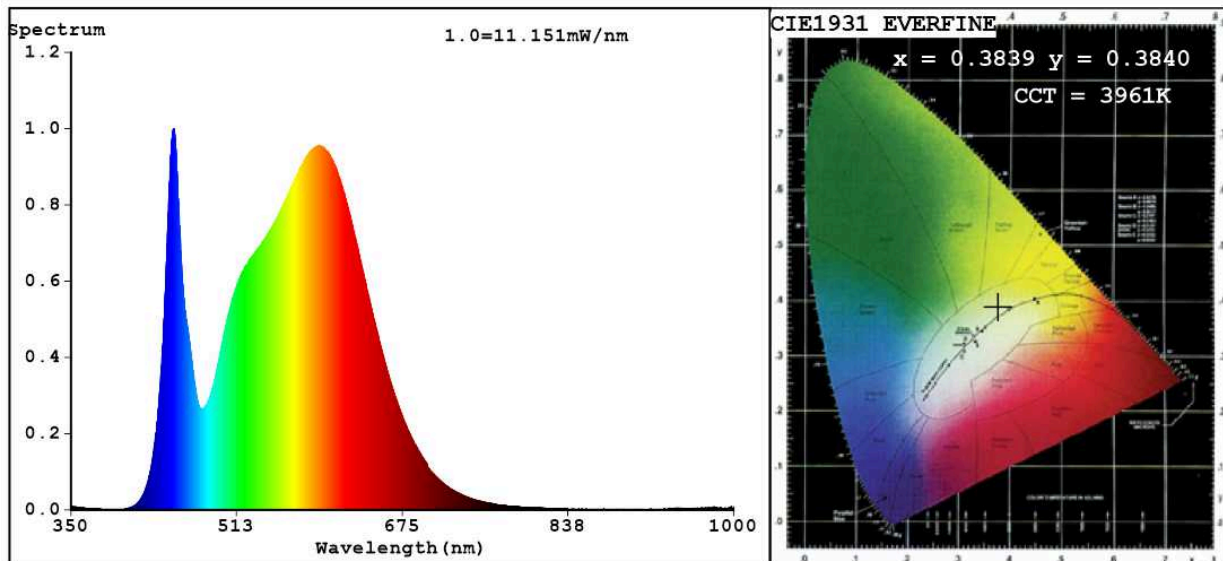
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	6	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	580 in Narrow cone (90°)	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	6,2	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	82
Outer dimensions without	Height	Spectral power distribution in the	See image in last page
	Width		
	Depth		

separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power ^(a)	Yes	If yes, equivalent power (W)	45	
		Chromaticity coordinates (x and y)	0,383 0,384	
Parameters for directional light sources:				
Peak luminous intensity (cd)	450	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	2	Survival factor	0,50	
the lumen maintenance factor	0,93			

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3839$ $y=0.3840$ $u'=0.2245$ $v'=0.5053$
 CCT=3961K (Duv=0.0024) Dominant WL: $\lambda_d = 578.0\text{nm}$ WL: $\lambda_c = \text{--nm}$ Purity=30.5%
 Ratio: R=18.1% G=78.4% B=3.5% Peak WL: $\lambda_p = 450.6\text{nm}$ FWHM=21.9nm
 Render Index: Ra=82.1 AvgR=75.0 TM30: Rf=84 Rg=95 Lav=570.1nm

R1 =80	R2 =88	R3 =95	R4 =81	R5 =80	R6 =84	R7 =86
R8 =62	R9 =2	R10=73	R11=80	R12=61	R13=82	R14=98 R15=73

Photo Parameters:

Flux = 608.6 lm Eff. : 97.08 lm/W $\Phi_e = 1.824$ W

Electrical parameters:

V = 12.080 V I = 0.5190 A P = 6.270 W PF = 1.000

WHITE: ANSI_4000K

Status: Integral T = 106 ms $I_p = 50942$ (78%)

Model: LED SMD2835 12V
 Tester: Atanas DAKOV
 Temperature: 25.3Deg
 Manufacturer: ELMARK

Number: 99LED880
 Date: 2021-09-02 13:29:08
 Humidity: 65.0%
 Remarks: 7807