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: 99LED812

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	E27		
Mains or non-mains:	MLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	Yes		
Anti-glare shield:	No	Dimmable:	No

Product parameters

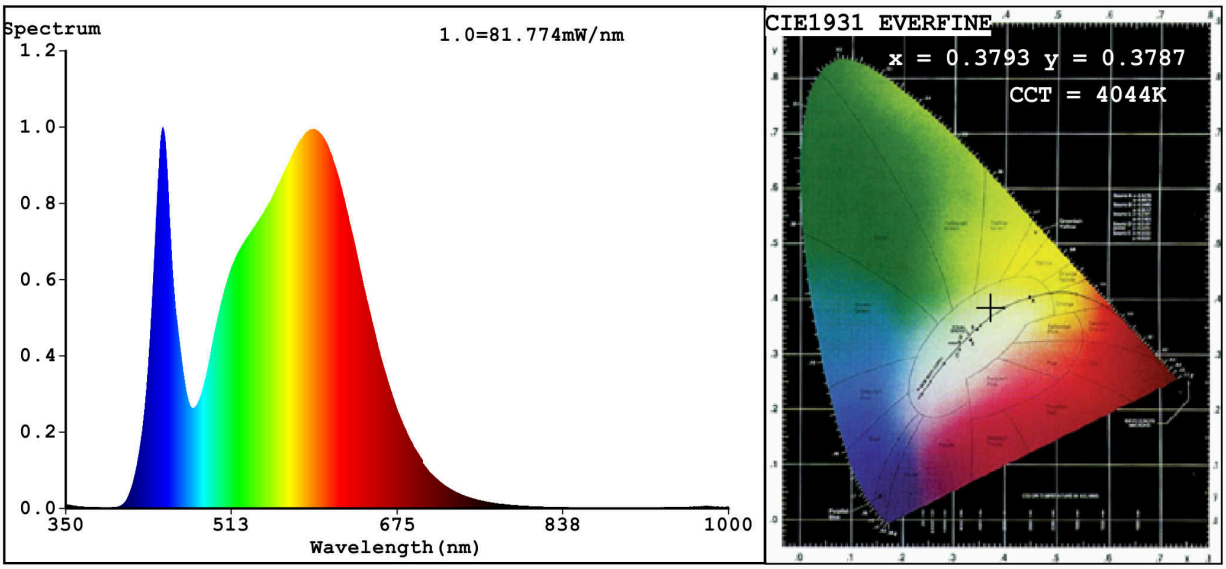
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	50	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	4 700 in Sphere (360°)	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	50,0	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 — Height	255	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	140		
Outer dimensions without — Depth	140		

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)	252
			Chromaticity coordinates (x and y)	0,379 0,378
Parameters for LED and OLED light sources:				
R9 colour rendering index value		3	Survival factor	0,50
the lumen maintenance factor		0,90		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,90	Colour consistency in McAdam ellipses	5
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=0.3793 y=0.3787/u'=0.2236 v'=0.5023

CCT=4044K(Duv=0.0012) Dominant WL:Ld =578.2nm WL:Lc = --nm Purity=27.5%

Ratio:R=17.9% G=78.6% B=3.5%¡¡Peak WL:Lp=445.2nm FWHM=24.6nm

Render Index:Ra=81.9

R1 =80	R2 =87	R3 =93	R4 =82	R5 =81	R6 =83	R7 =86	
R8 =64	R9 =3	R10=70	R11=82	R12=67	R13=81	R14=96	R15=73

Photo Parameters:

Flux = 4707 lm Eff. : 110.26 lm/W Fe = 14.33 W

Electrical parameters:

V = 219.98 V I = 0.2019 A P = 42.69 W PF = 0.9614

WHITE:ANSI_4000K

~~Status: Integral T = 9 ms Ip = 37870 (58%)~~

Model:HIGH POWER LED LAMP	Number:99LED812
Tester:Atanas DAKOV	Date:2020-07-15 11:23:27
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:6831