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: 99LED820

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	E14		
Mains or non-mains:	MLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

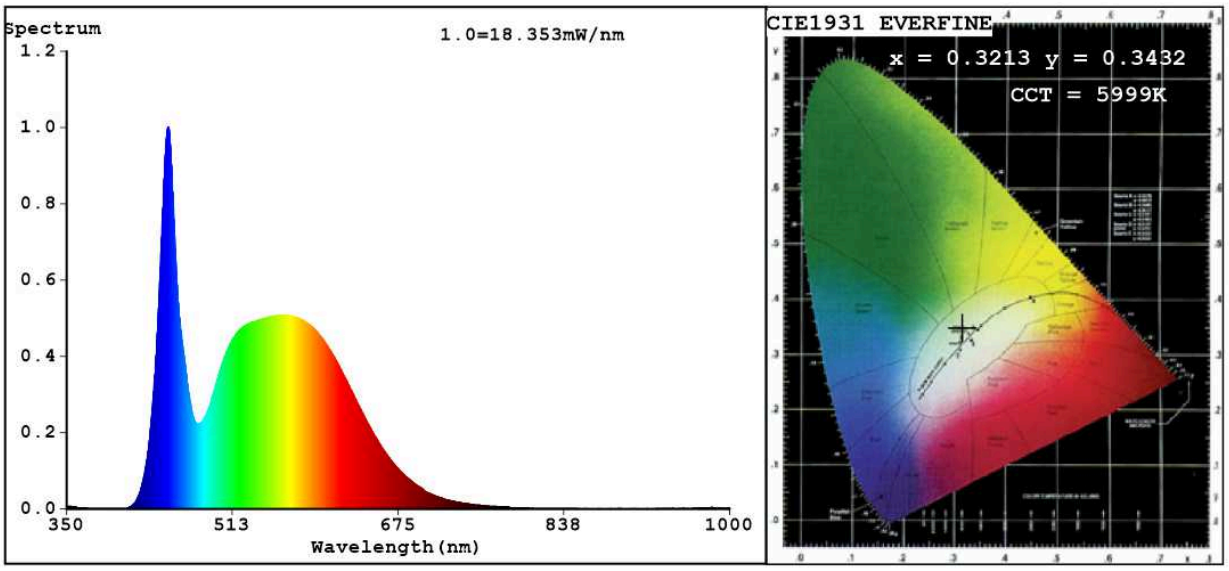
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	6	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	600 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	6 000
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	81
Outer dimensions without — Height	100	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	37		
Outer dimensions without — Depth	37		

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)	55
			Chromaticity coordinates (x and y)	0,321 0,343
Parameters for LED and OLED light sources:				
R9 colour rendering index value		0	Survival factor	0,50
the lumen maintenance factor		0,93		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,50	Colour consistency in McAdam ellipses	0
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.		Yes[b]	If yes then replacement claim (W)	50
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=0.3213 y=0.3432/u'=0.1985 v'=0.4770

CCT=5999K(Duv=0.0062) Dominant WL:Ld =502.8nm WL:Lc = --nm Purity=3.6%

Ratio:R=13.6% G=81.4% B=5.0%¡¡Peak WL:Lp=449.3nm FWHM=21.2nm

Render Index:Ra=81.5

R1 =79	R2 =85	R3 =90	R4 =82	R5 =80	R6 =81	R7 =87	
R8 =67	R9 =0	R10=66	R11=81	R12=58	R13=80	R14=95	R15=73

Photo Parameters:

Flux = 604.3 lm Eff. : 96.32 lm/W Fe = 1.903 W

Electrical parameters:

V = 219.92 V I = 0.04796 A P = 6.274 W PF = 0.5948

WHITE:ANSI_5700K

Status: Integral T = 64 ms Ip = 49470 (75%)

Model:LED FLAME	Number:99LED820
Tester:Atanas DAKOV	Date:2021-01-29 14:17:26
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:7191