

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: 99LED815

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	G9		
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

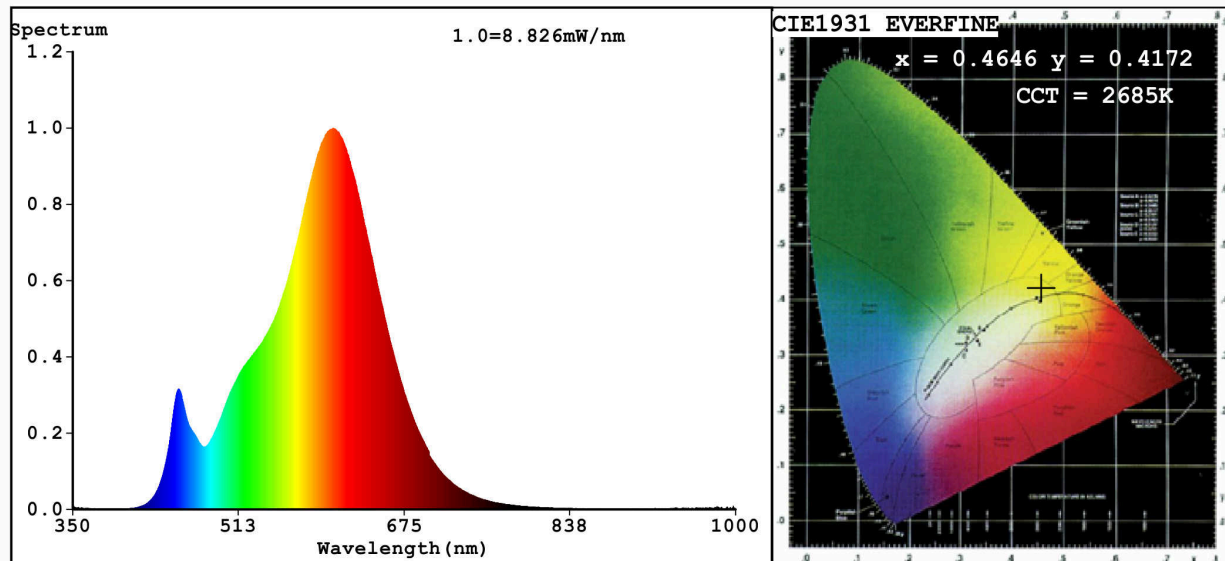
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	4	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	350 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	3 000
On-mode power (P_{on}), expressed in W	3,5	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	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)	33	
		Chromaticity coordinates (x and y)	0,464 0,417	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	0	Survival factor	0,90	
the lumen maintenance factor	0,93			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,50	Colour consistency in McAdam ellipses	5	
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)	8	
Flicker metric (Pst LM)	0,6	Stroboscopic effect metric (SVM)	0,2	

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4646$ $y=0.4172$ $u'=0.2626$ $v'=0.5305$
 CCT=2685K (Duv=0.0020) Dominant WL: $\lambda_d = 583.7\text{nm}$ WL: $\lambda_c = \text{--nm}$ Purity=64.7%
 Ratio: R=25.0% G=72.8% B=2.3% Peak WL: $\lambda_p = 605.4\text{nm}$ FWHM=108.8nm
 Render Index: $R_a = 81.0$

R1 =79	R2 =92	R3 =94	R4 =78	R5 =80	R6 =91	R7 =80
R8 =53	R9 =0	R10=82	R11=78	R12=75	R13=82	R14=97 R15=70

Photo Parameters:

Flux = 395.3 lm Eff. : 107.38 lm/W $P_e = 1.198\text{ W}$

Electrical parameters:

V = 219.96 V I = 0.03340 A P = 3.682 W PF = 0.5012

WHITE: ANSI_2700K

Status: Integral T = 119 ms $I_p = 49638$ (76%)

Model: LED LAMPS AND COMPONENTS
 Tester: Atanas DAKOV
 Temperature: 25.3Deg
 Manufacturer: ELMARK

Number: 99LED815
 Date: 2020-06-08 15:54:55
 Humidity: 65.0%
 Remarks: 6665