

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: 99LED968E

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	G13		
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

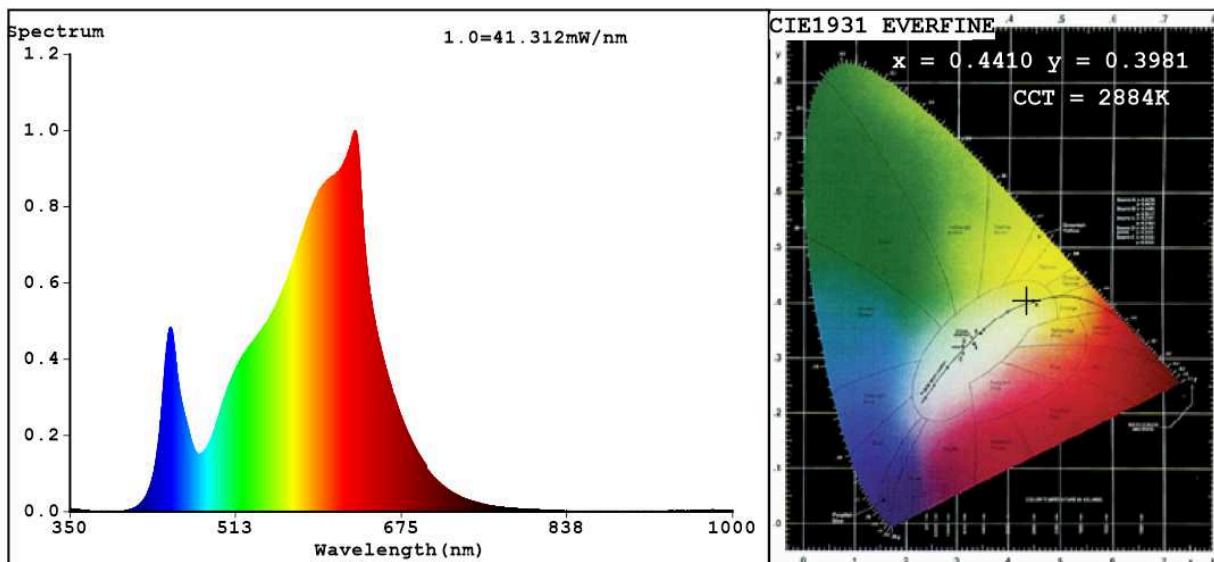
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 800 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	15,6	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	86
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)	-		If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,441 0,398
Parameters for LED and OLED light sources:				
R9 colour rendering index value	26		Survival factor	0,50
the lumen maintenance factor	0,93			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,90		Colour consistency in McAdam ellipses	0
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: $x=0.4410$ $y=0.3981$ / $u'=0.2558$ $v'=0.5196$

CCT=2884K (Duv=-0.0029) Dominant WL: $L_d = 584.4$ nm Purity=51.9%

Ratio: R=24.5% G=73.0% B=2.5%; Peak WL: $L_p = 629.7$ nm FWHM=105.7nm

Render Index: $R_a = 86.7$

R1 =86 R2 =93 R3 =97 R4 =86 R5 =87 R6 =93 R7 =85
R8 =67 R9 =26 R10=85 R11=87 R12=80 R13=88 R14=99 R15=80

Photo Parameters:

Flux = 1793 lm Eff. : 114.65 lm/W $F_e = 5.506$ W

Electrical parameters:

V = 229.98 V I = 0.07096 A P = 15.64 W PF = 0.9585

WHITE: ANSI_3000K

Status: Integral T = 17 ms $I_p = 40712$ (62%)

Model: FRESH LIGHT LED/18W
Tester: Petya Marinova
Temperature: 25.3Deg
Manufacturer: ELMARK

Number: 99LED968B
Date: 2018-10-10 09:30
Humidity: 65.0%
Remarks: O18VA023_4918