

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: 99LED837W

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:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

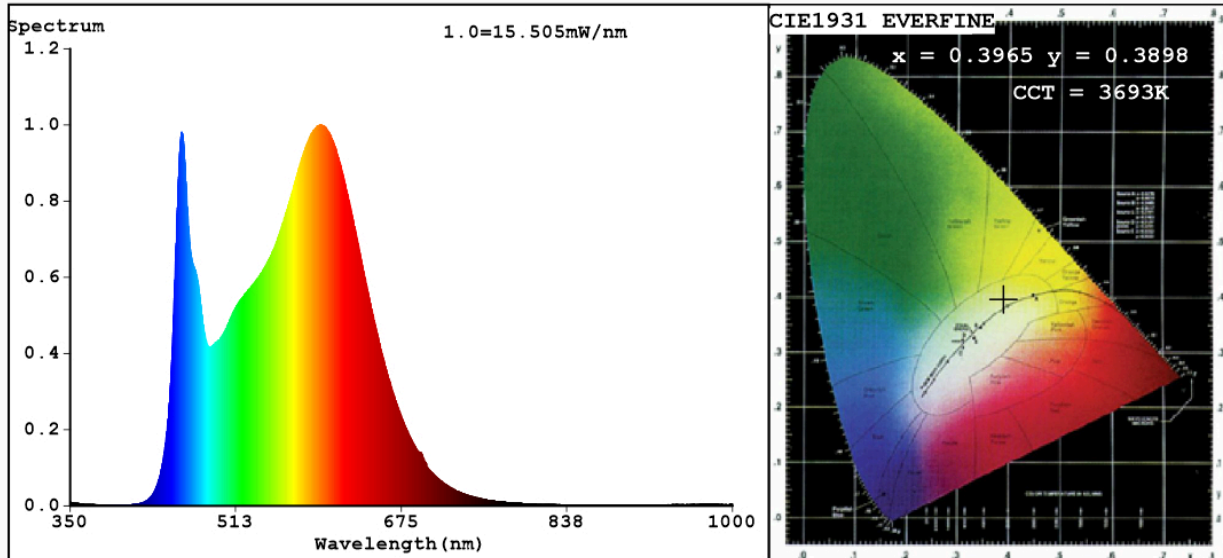
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	6	Energy efficiency class	E
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	750 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	5,7	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 separate control gear, lighting control	Height	78	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	45	
	Depth	45	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power ^(a)	Yes	If yes, equivalent power (W)	60
		Chromaticity coordinates (x and y)	0,396 0,389
Parameters for LED and OLED light sources:			
R9 colour rendering index value	3	Survival factor	0,50
the lumen maintenance factor	0,95		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	0,60	Colour consistency in McAdam ellipses	4
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)	60
Flicker metric (Pst LM)	0,2	Stroboscopic effect metric (SVM)	0,2

(a)¹⁾ : not applicable;

(b)¹⁾ : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3965$ $y=0.3898$ / $u'=0.2304$ $v'=0.5096$
 CCT=3693K(Duv=0.0016) Dominant WL:Ld =579.5nm WL:Lc = --nm Purity=36.0%
 Ratio:R=19.4% G=76.1% B=4.5%; Peak WL:Lp=596.5nm FWHM=138.6nm
 Render Index:Ra=81.8

R1 =83 R2 =96 R3 =89 R4 =75 R5 =82 R6 =94 R7 =78
 R8 =57 R9 =3 R10=91 R11=75 R12=67 R13=87 R14=94 R15=74

Photo Parameters:

Flux = 821.5 lm Eff. : 144.24 lm/W Fe = 2.467 W

Electrical parameters:

V = 219.90 V I = 0.03978 A P = 5.696 W PF = 0.6511

WHITE:ANSI_3500K

Status: Integral T = 65 ms Ip = 47898 (73%)

Model:99LED837W
 Tester:Atanas DAKOV
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:6W 4000K
 Date:2022-06-14 09:36:12
 Humidity:65.0%
 Remarks:MOSTRA