

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: 99LED850CW

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

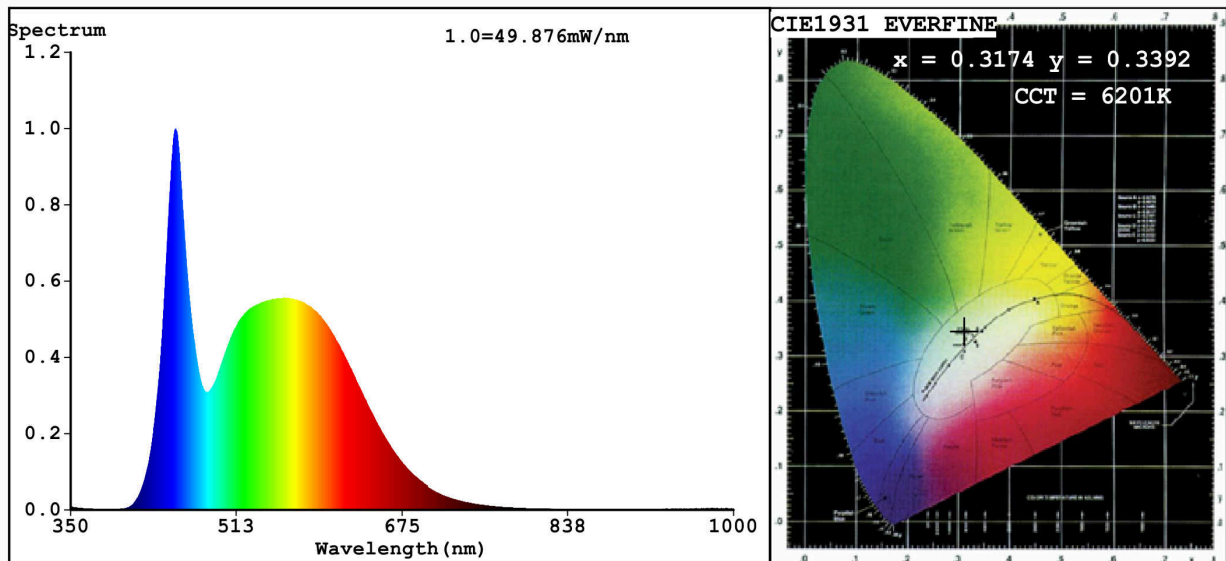
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	E
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 893 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	6 400
On-mode power (P_{on}), expressed in W	16,0	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	83
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)	100	
		Chromaticity coordinates (x and y)	0,317 0,339	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	8	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)	25	
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: $x=0.3174$ $y=0.3392$ / $u'=0.1973$ $v'=0.4743$
 CCT=6201K (Duv=0.0060) Dominant WL: $\lambda_d = 496.4\text{nm}$ WL: $\lambda_c = \text{--nm}$ Purity=5.1%
 Ratio: R=13.6% G=80.7% B=5.7% ; Peak WL: $\lambda_p = 453.0\text{nm}$ FWHM=27.9nm
 Render Index: $R_a = 83.7$

R1 =81	R2 =89	R3 =93	R4 =82	R5 =82	R6 =84	R7 =89
R8 =70	R9 =8	R10=73	R11=81	R12=61	R13=83	R14=96 R15=76

Photo Parameters:

Flux = 1811 lm Eff. : 97.67 lm/W $\Phi_e = 5.851\text{ W}$

Electrical parameters:

V = 219.97 V I = 0.1543 A P = 18.55 W PF = 0.5463

WHITE: ANSI_6500K

Status: Integral T = 19 ms $I_p = 41992$ (64%)

Model: LED PEAR A60 SMD2835
 Tester: Atanas DAKOV
 Temperature: 25.3Deg
 Manufacturer: ELMARK

Number: 99LED850CW
 Date: 2020-10-13 11:07:39
 Humidity: 65.0%
 Remarks: 6709