

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: 99LED800

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

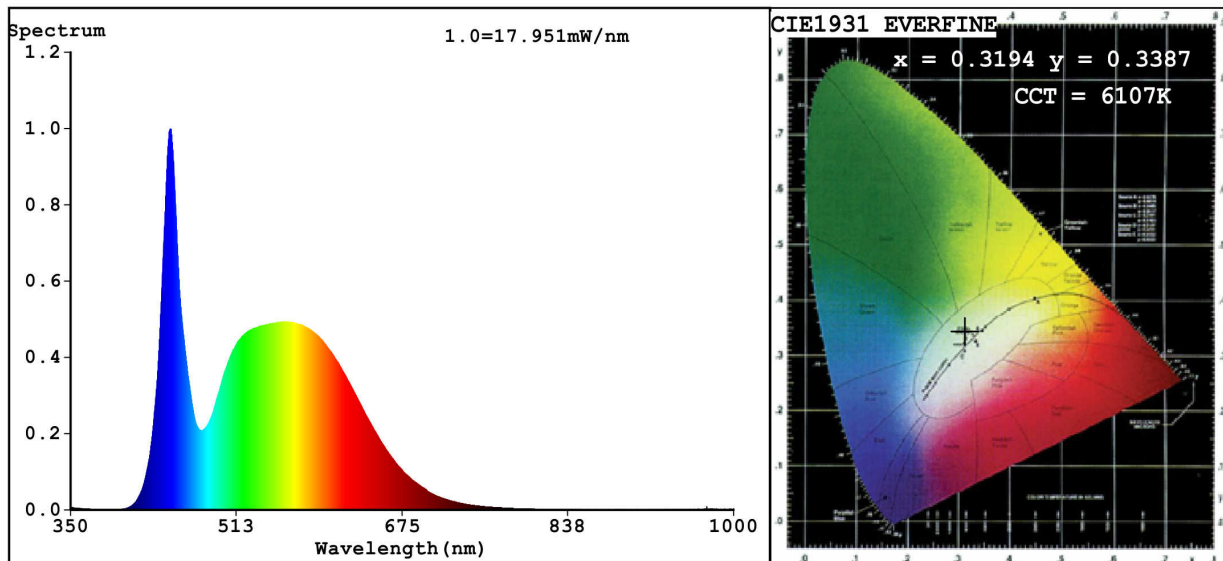
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	6	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)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

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power ^(a)	Yes	If yes, equivalent power (W)	42	
		Chromaticity coordinates (x and y)	0,319 0,338	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	3	Survival factor	0,90	
the lumen maintenance factor	0,93			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,10	Colour consistency in McAdam ellipses	6	
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)	40	
Flicker metric (Pst LM)	0,6	Stroboscopic effect metric (SVM)	0,4	

(a) '-': not applicable;

(b) '-': not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3194$ $y=0.3387$ $u'=0.1988$ $v'=0.4744$
 CCT=6107K (Duv=0.0049) Dominant WL: $\lambda_d = 496.7\text{nm}$ WL: $\lambda_c = \text{--nm}$ Purity=4.4%
 Ratio: R=13.6% G=81.5% B=5.0%; Peak WL: $\lambda_p = 447.9\text{nm}$ FWHM=21.2nm
 Render Index: Ra=81.6

R1 =79	R2 =85	R3 =89	R4 =83	R5 =81	R6 =80	R7 =87
R8 =69	R9 =3	R10=64	R11=83	R12=60	R13=80	R14=94 R15=74

Photo Parameters:

Flux = 575.6 lm Eff. : 69.17 lm/W $\Phi_e = 1.839$ W

Electrical parameters:

V = 220.02 V I = 0.1973 A P = 8.321 W PF = 0.1917
 WHITE: ANSI_6500K

Status: Integral T = 62 ms $I_p = 45707$ (70%)

Model: LED GLOBE P45
 Tester: Atanas DAKOV
 Temperature: 25.3Deg
 Manufacturer: ELMARK

Number: 99LED800
 Date: 2021-05-18 15:37:00
 Humidity: 65.0%
 Remarks: 7593