

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: 99LED812CW

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:	Yes		
Anti-glare shield:	No	Dimmable:	No

Product parameters

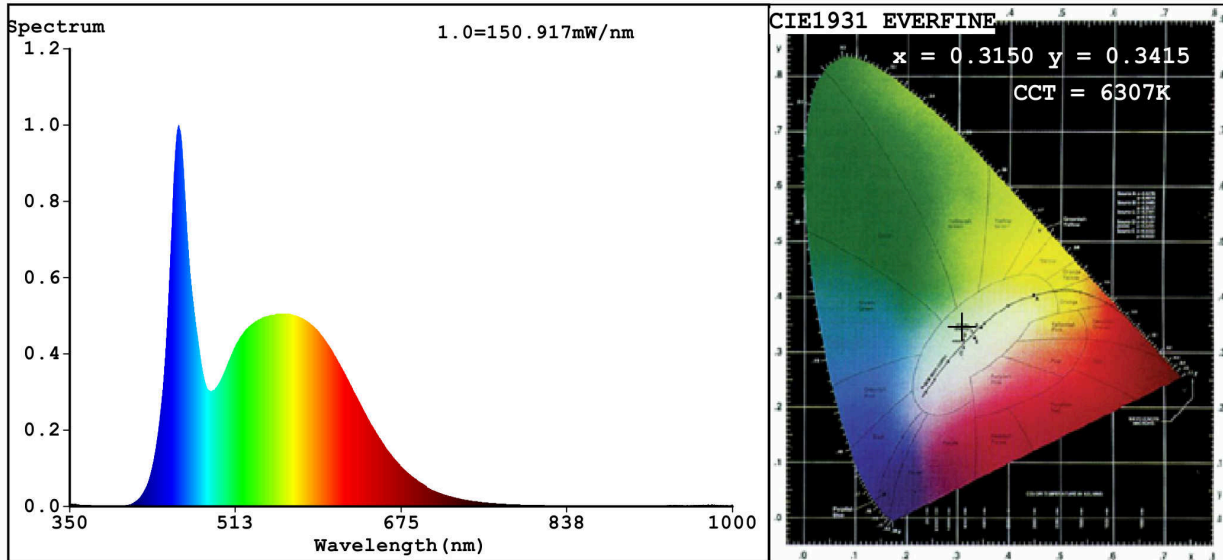
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	50	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	4 940 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	6 300
On-mode power (P_{on}), expressed in W	50,0	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	82
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)	252	
		Chromaticity coordinates (x and y)	0,315 0,341	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	2	Survival factor	0,50	
the lumen maintenance factor	0,90			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,90	Colour consistency in McAdam ellipses	4	
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: $x=0.3150$ $y=0.3415$ / $u'=0.1948$ $v'=0.4752$
 CCT=6307K (Duv=0.0083) Dominant WL:Ld =497.5nm WL:Lc = --nm Purity=5.8%
 Ratio:R=13.2% G=80.6% B=6.2% ; Peak WL:Lp=456.7nm FWHM=26.4nm
 Render Index:Ra=82.2

R1 =80 R2 =91 R3 =94 R4 =76 R5 =80 R6 =86 R7 =86
 R8 =66 R9 =2 R10=77 R11=75 R12=56 R13=83 R14=97 R15=74

Photo Parameters:

Flux = 4942 lm Eff. : 108.87 lm/W Fe = 15.81 W

Electrical parameters:

V = 219.97 V I = 0.2137 A P = 45.39 W PF = 0.9656
 WHITE:ANSI_6500K

Status: Integral T = 7 ms Ip = 50002 (76%)

Model:HIGH POWER LED LAMP	Number:99LED812CW
Tester:Atanas DAKOV	Date:2020-07-15 11:30:01
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:6831