

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: 9612LEDW1

Type of light source:

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

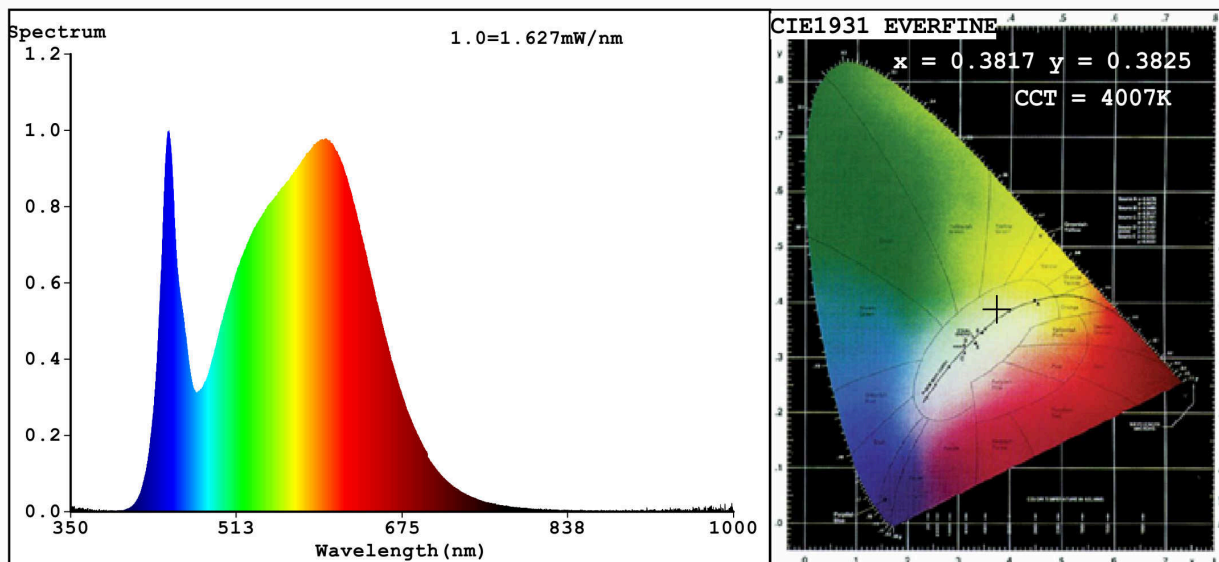
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	3	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	100 in Narrow cone (90°)	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	3,4	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	84
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)	0,381 0,382	
Parameters for directional light sources:				
Peak luminous intensity (cd)	446	Beam angle in degrees, or the range of beam angles that can be set	30	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	18	Survival factor	0,50	
the lumen maintenance factor	0,93			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,70	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: $x=0.3817$ $y=0.3825$ $u'=0.2237$ $v'=0.5043$

$CCT=4007K$ ($Duv=0.0023$) Dominant WL: $Ld = 577.9nm$ Purity=29.4%

Ratio: $R=18.5\%$ $G=77.9\%$ $B=3.6\%$; Peak WL: $Lp=446.5nm$ FWHM=24.4nm

Render Index: $Ra=84.7$

R1 =83	R2 =89	R3 =94	R4 =85	R5 =83	R6 =85	R7 =88
R8 =69	R9 =18	R10=74	R11=84	R12=68	R13=84	R14=96
						R15=77

Photo Parameters:

Flux = 94.48 lm Eff. : 27.70 lm/W Fe = 291.9 mW

Electrical parameters:

V = 229.98 V I = 0.01946 A P = 3.412 W PF = 0.7624

WHITE:ANSI_4000K

Status: Integral T = 450 ms Ip = 36745 (56%)

Model:OL9612-W1 LED/3W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:9612LEDW1
Date:2017-06-15 09:43
Humidity:65.0%
Remarks:ESPL201611018_3538