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: 99LED612T

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

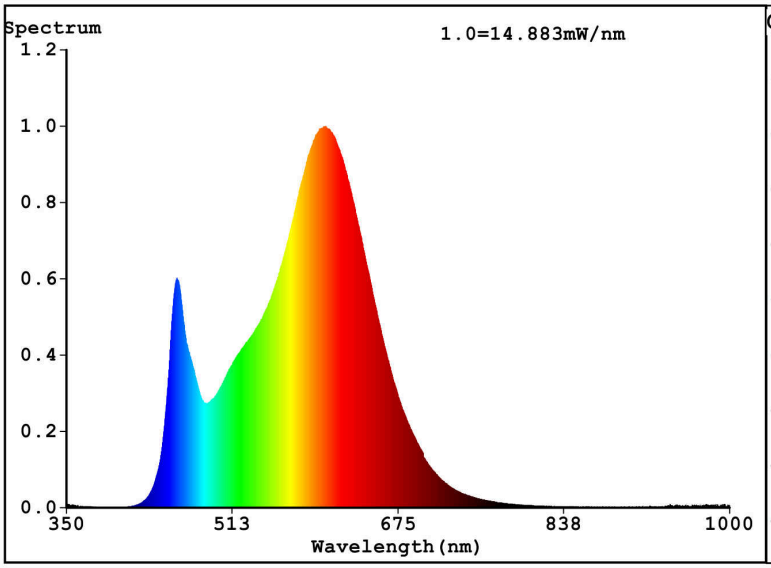
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	9	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	700 in Wide cone (120°)	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	3 000
On-mode power (P_{on}), expressed in W	9,6	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	142	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	142		
Outer dimensions without — Depth	24		

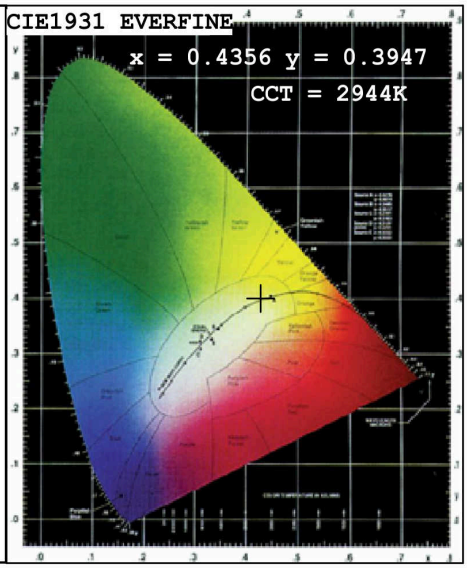
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[a]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,435 0,394
Parameters for directional light sources:				
Peak luminous intensity (cd)		604	Beam angle in degrees, or the range of beam angles that can be set	120
Parameters for LED and OLED light sources:				
R9 colour rendering index value		10	Survival factor	0,50
the lumen maintenance factor		0,93		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,40	Colour consistency in McAdam ellipses	-
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=0.4356 y=0.3947/u'=0.2538 v'=0.5174

CCT=2944K(Duv=-0.0036) Dominant WL:Ld =584.4nm Purity=49.2%

Ratio:R=23.7% G=72.9% B=3.3%¡¡Peak WL:Lp=604.1nm FWHM=112.9nm

Render Index:Ra=82.5

R1 =83	R2 =97	R3 =89	R4 =78	R5 =84	R6 =94	R7 =78	
R8 =56	R9 =10	R10=92	R11=78	R12=77	R13=87	R14=95	R15=76

Photo Parameters:

Flux = 696.3 lm Eff. : 71.93 lm/W Fe = 2.167 W

Electrical parameters:

V = 220.12 V I = 0.09323 A P = 9.680 W PF = 0.4717

WHITE:ANSI_3000K

Status: Integral T = 42 ms Ip = 42965 (66%)

Model:LED PANEL ROUND/9W	Number:99LED612T
Tester:Petya Marinova	Date:2016-04-20 11:39
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:O15V041A-1-02_2706