

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: 99LED629

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:	Yes		
Anti-glare shield:	No	Dimmable:	No

Product parameters

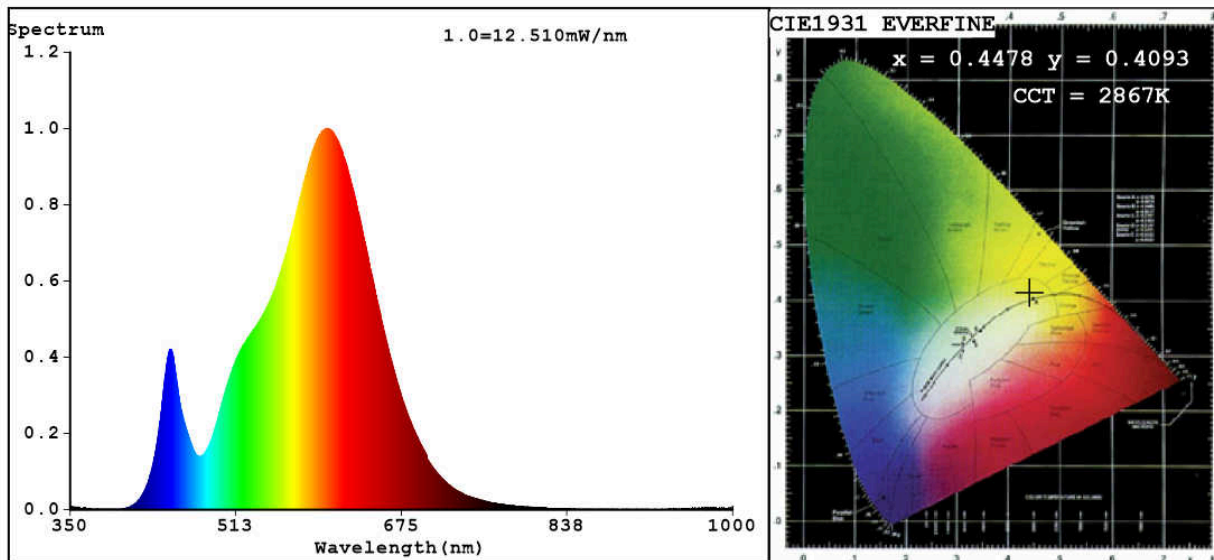
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	8	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	600 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	4 000
On-mode power (P_{on}), expressed in W	8,9	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	80
Outer dimensions without separate control gear, lighting control	Height	120	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	21	
	Depth	21	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,447 0,409
Parameters for directional light sources:			
Peak luminous intensity (cd)	144	Beam angle in degrees, or the range of beam angles that can be set	112
Parameters for LED and OLED light sources:			
R9 colour rendering index value	0	Survival factor	0,50
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.	-(b)	If yes then replacement claim (W)	-
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: $x=0.4478$ $y=0.4093$ / $u'=0.2553$ $v'=0.5250$

CCT=2867K (Duv=0.0007) Dominant WL: $\lambda_d = 583.2$ nm Purity=57.3%

Ratio: R=23.4% G=74.4% B=2.1%; Peak WL: $\lambda_p = 602.1$ nm FWHM=118.1 nm

Render Index: Ra=80.5

R1 =78	R2 =89	R3 =97	R4 =79	R5 =78	R6 =87	R7 =81	
R8 =55	R9 =0	R10=76	R11=78	R12=71	R13=80	R14=99	R15=70

Photo Parameters:

Flux = 590.6 lm Eff. : 65.84 lm/W $F_e = 1.772$ W

Electrical parameters:

V = 220.02 V I = 0.08062 A P = 8.971 W PF = 0.5058

WHITE: ANSI_2700K

Status: Integral T = 60 ms $I_p = 38645$ (59%)

Model: LED PANEL ROUND/8W
Tester: Petya Marinova
Temperature: 25.3 Deg
Manufacturer: ELMARK

Number: 99LED629
Date: 2017-06-19 15:36
Humidity: 65.0%
Remarks: 016V038A_3312