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: 99LED611IP65

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

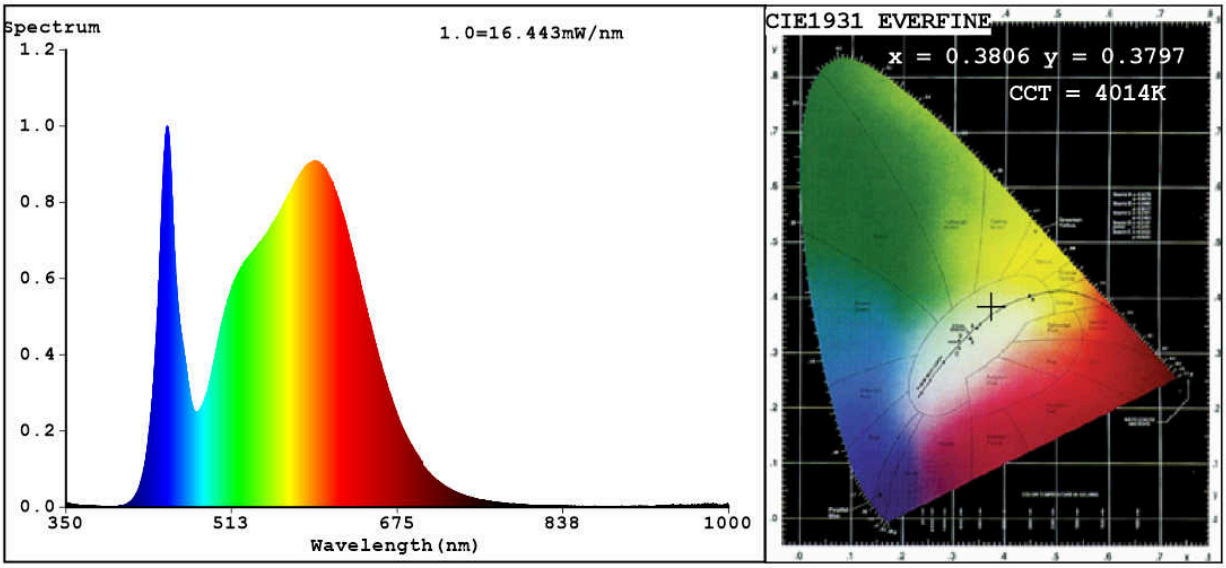
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	10	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	860 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	10,3	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	150	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	27		
Outer dimensions without — Depth	27		

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 0,380
Parameters for directional light sources:				
Peak luminous intensity (cd)		449	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		8	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	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)		0,6	Stroboscopic effect metric (SVM)	0,2

[a] '-' : not applicable;

[b] '-' : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.3806 y=0.3797/u'=0.2241 v'=0.5029

CCT=4014K(Duv=0.0013) Dominant WL:Ld =578.3nm Purity=28.2%

Ratio:R=18.2% G=78.3% B=3.5%¡¡Peak WL:Lp=449.3nm FWHM=21.5nm

Render Index:Ra=83.0

R1 =81	R2 =88	R3 =94	R4 =83	R5 =81	R6 =84	R7 =86	
R8 =65	R9 =8	R10=73	R11=82	R12=63	R13=83	R14=97	R15=75

Photo Parameters:

Flux = 864.8 lm Eff. : 85.08 lm/W Fe = 2.625 W

Electrical parameters:

V = 229.88 V I = 0.09068 A P = 10.17 W PF = 0.4876

WHITE:ANSI_4000K

Status: Integral T = 40 ms Ip = 38241 (58%)

Model:WATERPROOF LED PANEL ROUND/10W Number:99LED611IP65
Tester:Petya Marinova Date:2018-10-15 09:25
Temperature:25.3Deg Humidity:65.0%
Manufacturer:ELMARK Remarks:O18V024B_4903