

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: 99LED611IP65CW

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):	Yes
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	Yes		
Anti-glare shield:	No	Dimmable:	No

Product parameters

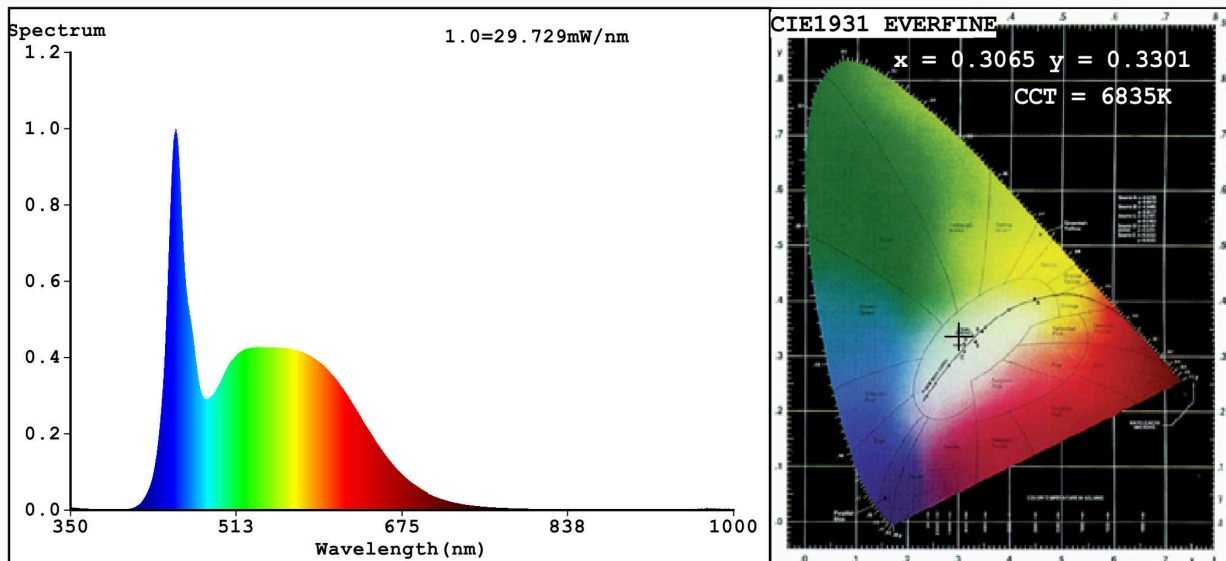
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	10	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	850 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	6 500
On-mode power (P_{on}), expressed in W	10,2	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,20
Networked standby power (P_{net}) for CLS, expressed in W and rounded to the second decimal	0,20	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	85
Outer dimensions without separate control gear, lighting control	Height	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width		
	Depth		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,306 0,330	
Parameters for directional light sources:				
Peak luminous intensity (cd)	296	Beam angle in degrees, or the range of beam angles that can be set	105	
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)	0,50	Colour consistency in McAdam ellipses	3	
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: $x=0.3065$ $y=0.3301$ $u'=0.1931$ $v'=0.4680$
 CCT=6835K (Duv=0.0069) Dominant WL: $\lambda_d = 490.2\text{nm}$ WL: $\lambda_c = \text{--nm}$ Purity=9.3%
 Ratio: R=13.2% G=80.2% B=6.6% ; Peak WL: $\lambda_p = 453.3\text{nm}$ FWHM=23.4nm
 Render Index: $R_a = 85.8$

R1 =84	R2 =92	R3 =95	R4 =83	R5 =84	R6 =88	R7 =89
R8 =72	R9 =18	R10=81	R11=83	R12=60	R13=87	R14=98 R15=79

Photo Parameters:

Flux = 848.2 lm Eff. : 82.55 lm/W $\Phi_e = 2.795\text{ W}$

Electrical parameters:

V = 229.95 V I = 0.09281 A P = 10.27 W PF = 0.4815

WHITE:ANSI_6500K

Status: Integral T = 36 ms $I_p = 51391$ (78%)

Model:WATERPROOF LED PANEL ROUND/10W	Number:99LED611IP65CW
Tester:Petya Marinova	Date:2019-09-03 15:31:20
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:019V013B_5743