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: 99LED611IP44CWE

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

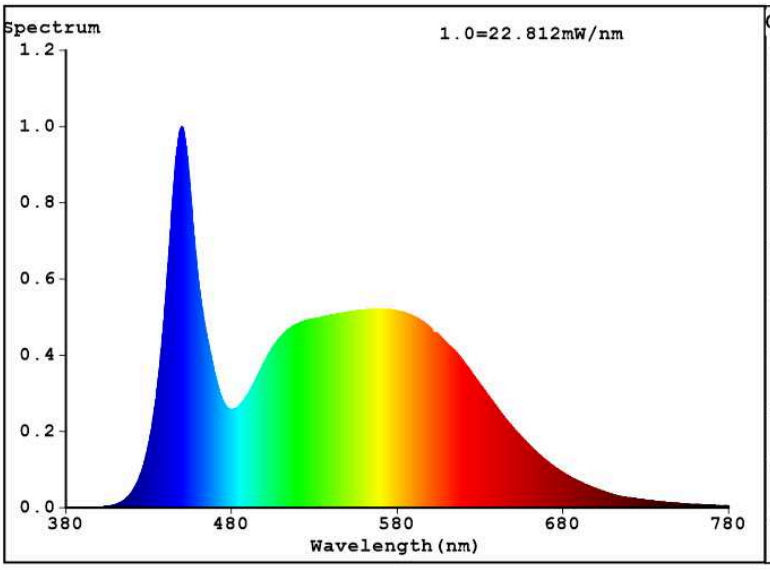
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	12	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	800 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	6 000
On-mode power (P_{on}), expressed in W	11,6	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	83
Outer dimensions without — Height	175	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	21		
Outer dimensions without — Depth	20		

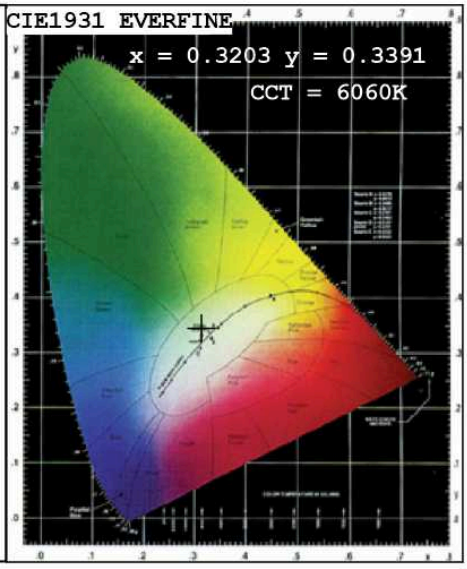
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[a]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,320 0,339
Parameters for directional light sources:				
Peak 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		6	Survival factor	0,50
the lumen maintenance factor		0,93		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		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=0.3203 y=0.3391/u'=0.1993 v'=0.4747

CCT=6060K(Duv=0.0046) Dominant WL:Ld =497.4nm Purity=4.1%

Ratio:R=13.8% G=80.8% B=5.3%¡¡Peak WL:Lp=449.9nm FWHM=23.9nm

Render Index:Ra=83.3

R1 =81	R2 =87	R3 =92	R4 =84	R5 =82	R6 =83	R7 =88	
R8 =69	R9 =6	R10=70	R11=83	R12=62	R13=83	R14=96	R15=76

Photo Parameters:

Flux = 778.7 lm Eff. : 66.99 lm/W Fe = 2.473 W

Electrical parameters:

V = 230.01 V I = 0.09612 A P = 11.62 W PF = 0.5257

WHITE:ANSI_6500K

Status: Integral T = 41 ms Ip = 51669 (79%)

Model:LED PANEL ROUND IP44/12W	Number:99LED611IP44CW
Tester:Petya Marinova	Date:2019-07-04 12:46
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:EI0011901_5744