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: 99LED611IP44

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
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

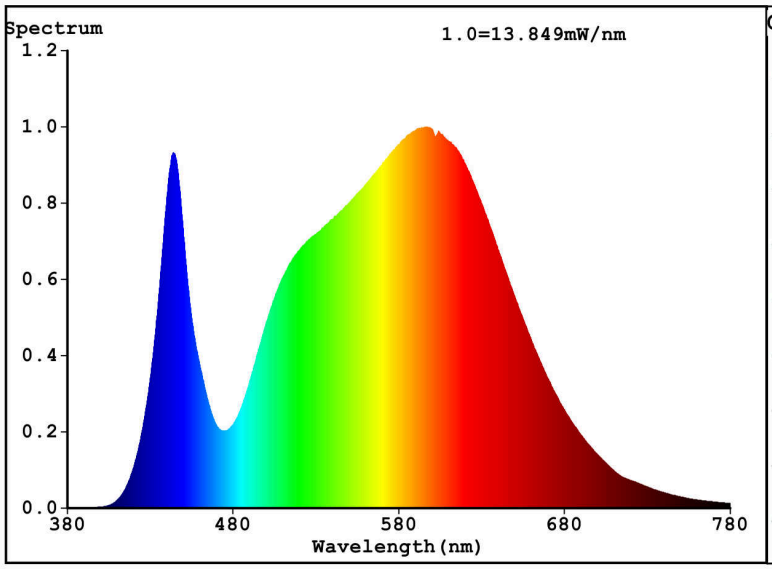
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	12	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	960 in Sphere (360°)	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	11,1	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	0,10	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	82
Outer dimensions without separate control gear, lighting control — Height	175	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Outer dimensions without separate control gear, lighting control — Width	175		
Outer dimensions without separate control gear, lighting control — Depth	21		

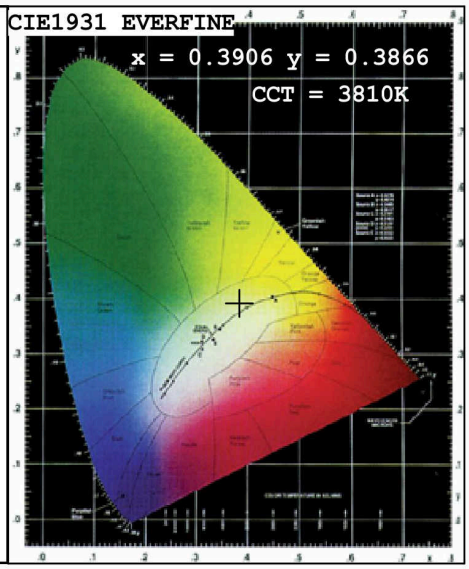
parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,390 0,386
Parameters for LED and OLED light sources:				
R9 colour rendering index value		12	Survival factor	1,00
the lumen maintenance factor		0,90		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		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)		0,4	Stroboscopic effect metric (SVM)	0,6

(a) '-' : not applicable;

(b) '-' : not applicable;

Spectrum Test Report





Color Parameters:

Chromaticity Coordinate:x=0.3906 y=0.3866/u'=0.2278 v'=0.5074

CCT=3810K(Duv=0.0017) Dominant WL:Ld =579.0nm Purity=33.3%

Ratio:R=18.9% G=78.1% B=3.0%¡¡Peak WL:Lp=595.7nm FWHM=154.0nm

Render Index:Ra=82.8

R1 =81	R2 =87	R3 =92	R4 =84	R5 =82	R6 =83	R7 =86	
R8 =67	R9 =12	R10=70	R11=84	R12=68	R13=82	R14=96	R15=75

Photo Parameters:

Flux = 799.8 lm Eff. : 71.95 lm/W Fe = 2.430 W

Electrical parameters:

V = 229.81 V I = 0.09246 A P = 11.12 W PF = 0.5232

WHITE:ANSI_4000K

Status: Integral T = 61 ms Ip = 53695 (82%)

Model:LED PANEL ROUND IP44/12W	Number:99LED611IP44
Tester:Petya Marinova	Date:2019-07-04 08:54
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:EI0011901_5586