

# 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:** 99LED617IP44

## 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

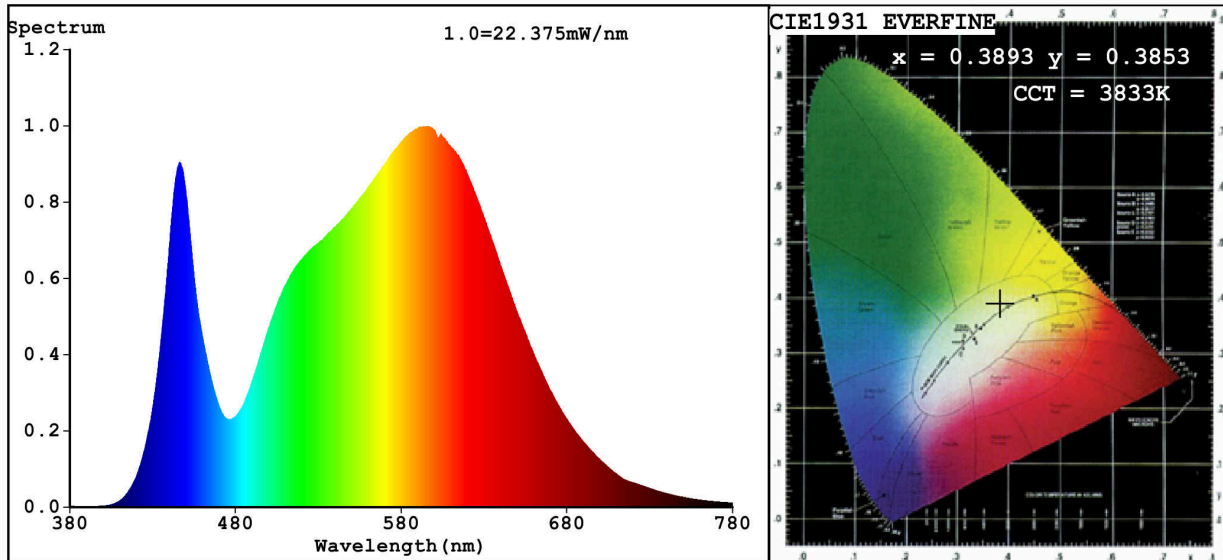
Parameter	Value	Parameter	Value	
<b>General product parameters:</b>				
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	G	
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 250 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	17,1	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	-	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	82	
Outer dimensions without	Height	Spectral power distribution in the	See image in last page	
	Width			225
	Depth			21

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 <sup>(a)</sup>	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,389 0,385	
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	593	Beam angle in degrees, or the range of beam angles that can be set	120	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	5	Survival factor	0,50	
the lumen maintenance factor	0,93			
<b>Parameters for LED and OLED mains light sources:</b>				
displacement factor (cos $\phi$ 1)	0,50	Colour consistency in McAdam ellipses	0	
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:  $x=0.3893$   $y=0.3853$  /  $u'=0.2275$   $v'=0.5066$   
 CCT=3833K(Duv=0.0015) Dominant WL:Ld =579.0nm Purity=32.5%  
 Ratio:R=18.6% G=78.2% B=3.2%; Peak WL:Lp=593.8nm FWHM=148.7nm  
 Render Index:Ra=82.0  
 R1 =80 R2 =87 R3 =94 R4 =82 R5 =81 R6 =83 R7 =86  
 R8 =63 R9 =5 R10=70 R11=82 R12=66 R13=81 R14=96 R15=73

**Photo Parameters:**

Flux = 1269 lm Eff. : 73.87 lm/W Fe = 3.811 W

**Electrical parameters:**

V = 229.99 V I = 0.1426 A P = 17.18 W PF = 0.5238

WHITE:ANSI\_4000K

Status: Integral T = 38 ms Ip = 54233 (83%)

Model:LED PANEL ROUND IP44/18W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:99LED617IP44  
 Date:2019-07-04 09:37  
 Humidity:65.0%  
 Remarks:EI0011901\_5744