

# 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:** 99LED609IP44E

**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

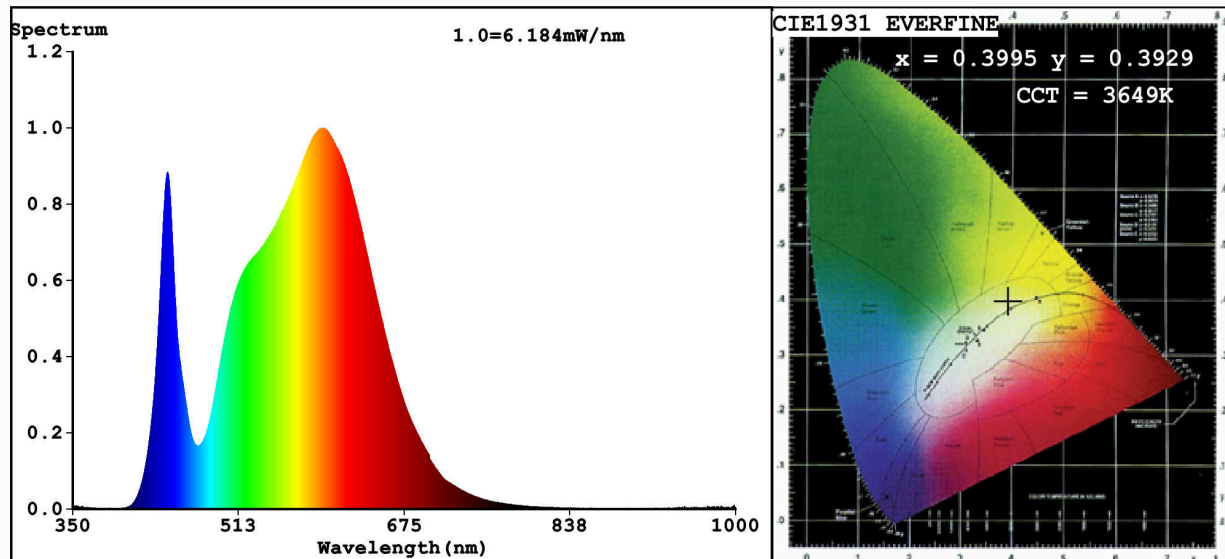
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	5	Energy efficiency class	G
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	342 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	5,0	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	81
Outer dimensions without	Height	Spectral power distribution in the	See image in last page
	Width		
	Depth		

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)	0,399 0,392	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	4	Survival factor	0,80	
the lumen maintenance factor	1,00			
<b>Parameters for LED and OLED mains light sources:</b>				
displacement factor (cos $\phi_1$ )	0,10	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)	0,4	Stroboscopic effect metric (SVM)	0,6	

(a) : not applicable;

(b) : not applicable;

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3995$   $y=0.3929$   $u'=0.2310$   $v'=0.5113$   
 CCT=3649K (Duv=0.0023) Dominant WL:  $\lambda_d = 579.3\text{nm}$  WL:  $\lambda_c = \text{--nm}$  Purity=37.8%  
 Ratio: R=19.2% G=78.0% B=2.8%; Peak WL:  $\lambda_p = 594.2\text{nm}$  FWHM=150.0nm  
 Render Index:  $R_a = 81.7$  AvgR=75.2 TM30:  $R_f = 83$   $R_g = 97$   $\lambda_{av} = 575.7\text{nm}$

R1 =80	R2 =86	R3 =93	R4 =83	R5 =80	R6 =83	R7 =85
R8 =63	R9 =4	R10=69	R11=84	R12=68	R13=81	R14=96
						R15=72

### Photo Parameters:

Flux = 342.5 lm Eff. : 46.48 lm/W  $\Phi_e = 1.033$  W

### Electrical parameters:

V = 219.94 V I = 0.1853 A P = 7.369 W PF = 0.1808  
 WHITE: ANSI\_3500K

Status: Integral T = 162 ms  $I_p = 42786$  (65%)

Model: LED PANEL ROUND  
 Tester: Atanas DAKOV  
 Temperature: 25.3Deg  
 Manufacturer: ELMARK

Number: 99LED609IP44  
 Date: 2021-06-02 10:57:00  
 Humidity: 65.0%  
 Remarks: 7459