

# 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:** 99LED609IP44CW

## 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:	No		
Anti-glare shield:	No	Dimmable:	No

## Product parameters

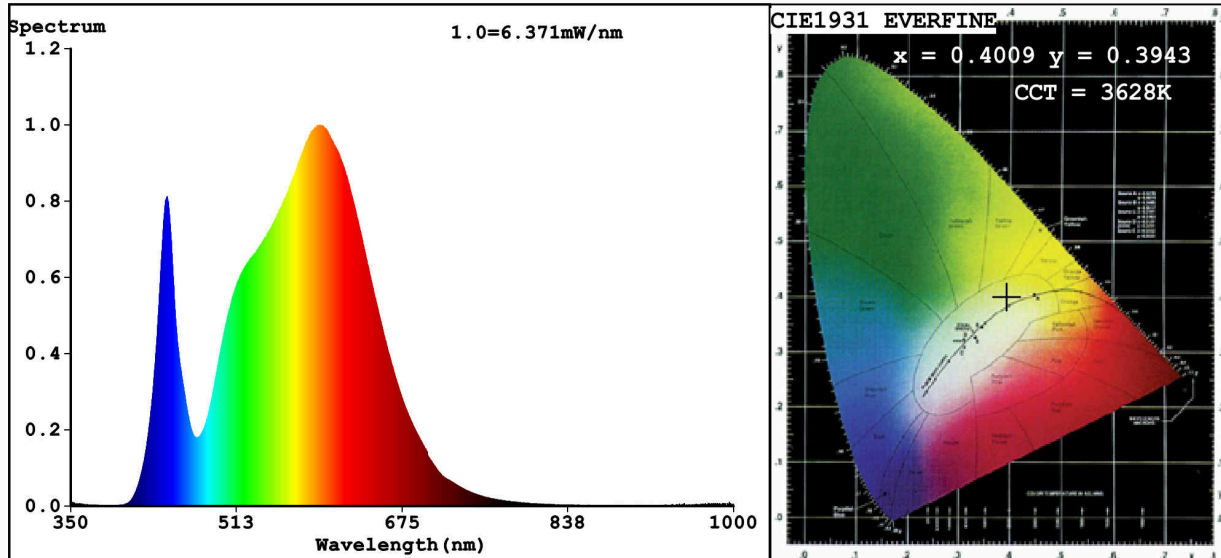
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	5	Energy efficiency class	G
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	351 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	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)	0,400 0,394
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	2	Survival factor	0,90
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:  $x=0.4009$   $y=0.3943$   $u'=0.2314$   $v'=0.5121$   
 CCT=3628K (Duv=0.0026) Dominant WL:  $L_d = 579.3\text{nm}$  WL:  $L_c = \text{--nm}$  Purity=38.7%  
 Ratio: R=19.2% G=78.0% B=2.8% ; Peak WL:  $L_p = 594.5\text{nm}$  FWHM=148.8nm  
 Render Index:  $R_a = 81.4$  AvgR=74.7 TM30:  $R_f = 83$   $R_g = 96$   $L_{av} = 576.2\text{nm}$

R1 =79    R2 =86    R3 =94    R4 =82    R5 =80    R6 =83    R7 =85  
 R8 =62    R9 =2    R10=69    R11=82    R12=67    R13=80    R14=97    R15=72

Photo Parameters:

Flux = 351.7 lm    Eff. : 48.28 lm/W     $F_e = 1.058$  W

Electrical parameters:

V = 219.97 V    I = 0.1853 A    P = 7.285 W PF = 0.1787  
 WHITE:ANSI\_3500K

Status: Integral T = 162 ms     $I_p = 44170$  (67%)

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

Number:99LED609IP44CW  
 Date:2021-06-02 10:43:44  
 Humidity:65.0%  
 Remarks:7459