

# 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:** 99LED605

## Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	E14		
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

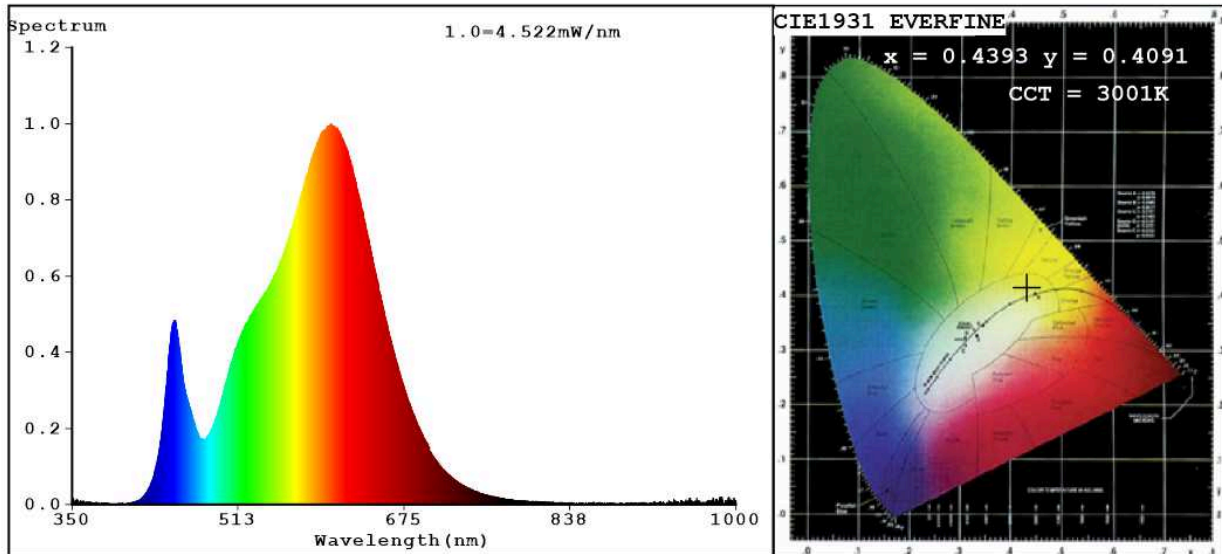
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	3	Energy efficiency class	F
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	240 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	3 000
On-mode power ( $P_{on}$ ), expressed in W	2,9	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		
	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>	Yes	If yes, equivalent power (W)	30	
		Chromaticity coordinates (x and y)	0,439 0,409	
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	603	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 $\phi_1$ )	0,40	Colour consistency in McAdam ellipses	0	
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	Yes <sup>(b)</sup>	If yes then replacement claim (W)	25	
Flicker metric (Pst LM)	0,6	Stroboscopic effect metric (SVM)	0,3	

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4393$   $y=0.4091/u'=0.2499$   $v'=0.5237$   
 CCT=3001K (Duv=0.0017) Dominant WL:Ld =582.3nm Purity=54.7%  
 Ratio:R=22.8% G=74.8% B=2.4%; Peak WL:Lp=603.5nm FWHM=131.3nm  
 Render Index:Ra=82.3  
 R1 =80 R2 =90 R3 =97 R4 =81 R5 =80 R6 =88 R7 =84  
 R8 =59 R9 =5 R10=77 R11=80 R12=69 R13=82 R14=99 R15=72

**Photo Parameters:**

Flux = 220.6 lm Eff. : 74.78 lm/W Fe = 663.8 mW

**Electrical parameters:**

V = 220.16 V I = 0.03099 A P = 2.950 W PF = 0.4325

WHITE:ANSI\_3000K

Status: Integral T = 98 ms Ip = 35104 (54%)

Model:LEDSMD PAR16/3W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:99LED605  
 Date:2015-06-02 16:30  
 Humidity:65.0%  
 Remarks:27Q39115015