

# 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:** 95NEOS18LED

## 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:	Yes	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	Yes

## Product parameters

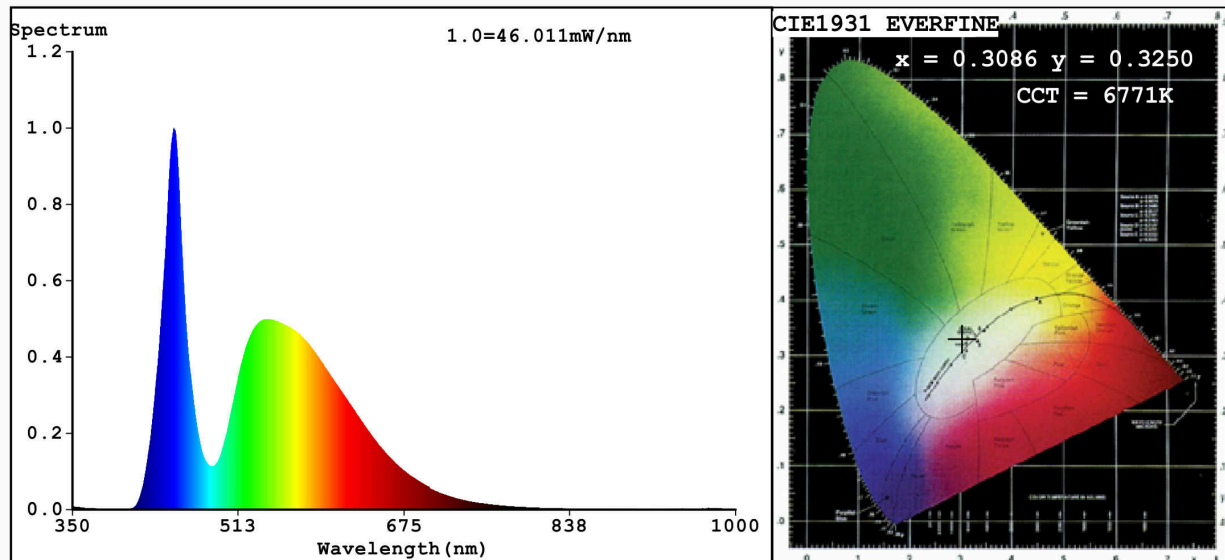
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	G
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 500 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 or 4 000 or 6 000
On-mode power ( $P_{on}$ ), expressed in W	18,2	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	74
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)	0,308 0,325	
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	449	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	0	Survival factor	0,50	
the lumen maintenance factor	0,90			
<b>Parameters for LED and OLED mains light sources:</b>				
displacement factor (cos $\phi_1$ )	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)	0,0	Stroboscopic effect metric (SVM)	0,0	

(a) '-': not applicable;

(b) '-': not applicable;

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3086$   $y=0.3250$   $u'=0.1965$   $v'=0.4655$   
 CCT=6771K (Duv=0.0032) Dominant WL:  $L_d = 487.3\text{nm}$  WL:  $L_c = \text{--nm}$  Purity=9.0%  
 Ratio: R=12.2% G=83.7% B=4.1%; Peak WL:  $L_p = 449.3\text{nm}$  FWHM=24.0nm  
 Render Index:  $R_a = 74.4$

R1 =73	R2 =77	R3 =76	R4 =76	R5 =74	R6 =68	R7 =83
R8 =67	R9 =0	R10=42	R11=73	R12=43	R13=73	R14=87
						R15=70

### Photo Parameters:

Flux = 1349 lm Eff. : 74.06 lm/W Fe = 4.367 W

### Electrical parameters:

V = 220.32 V I = 0.1599 A P = 18.22 W PF = 0.5173  
 WHITE: ANSI\_6500K

Status: Integral T = 28 ms Ip = 40754 (62%)

Model: LED CELING LAMP  
 Tester: Atanas DAKOV  
 Temperature: 25.3Deg  
 Manufacturer: ELMARK

Number: 95SNEOS18LED  
 Date: 2020-02-07 11:50:32  
 Humidity: 65.0%  
 Remarks: 6386