

# 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:** 95NEPTUN18LEDE

## 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

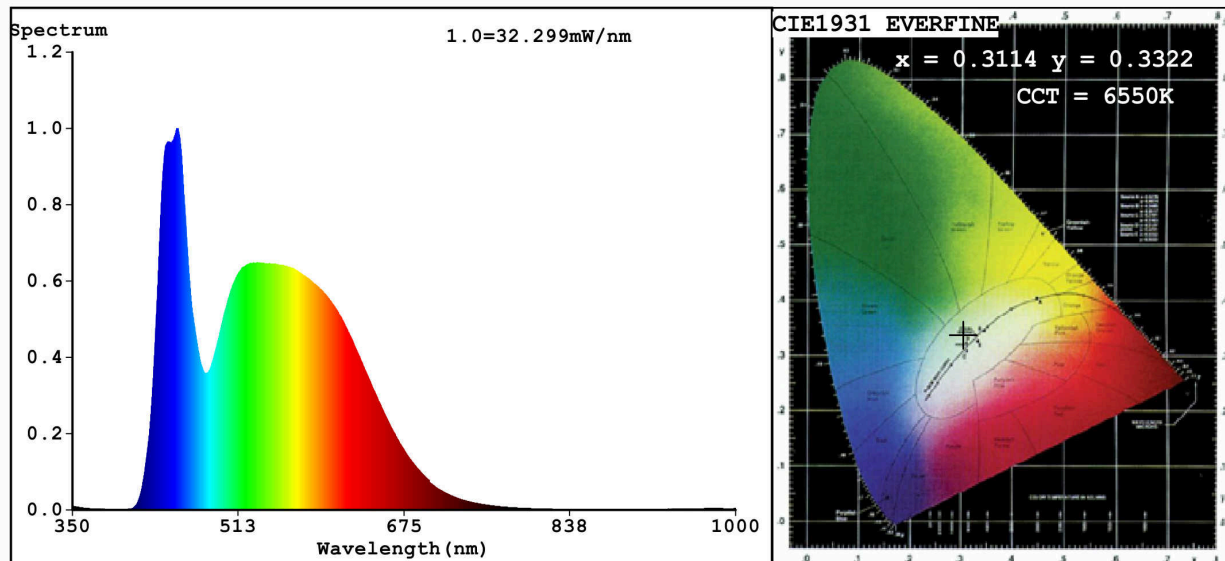
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	F
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 400 in Sphere (360°)	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	18,0	Standby power ( $P_{sb}$ ), expressed in W and rounded to the second decimal	0,90
Networked standby power ( $P_{net}$ ) for CLS, expressed in W and rounded to the second decimal	0,38	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	85
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)	0,311 0,332	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	22	Survival factor	0,50	
the lumen maintenance factor	0,90			
<b>Parameters for LED and OLED mains light sources:</b>				
displacement factor (cos $\phi_1$ )	0,30	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)	0,0	Stroboscopic effect metric (SVM)	0,0	

(a) : not applicable;

(b) : not applicable;

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3114$   $y=0.3322$   $u'=0.1957$   $v'=0.4698$   
CCT=6550K (Duv=0.0055) Dominant WL:  $L_d = 491.1nm$  WL:  $L_c = --nm$  Purity=7.5%  
Ratio: R=13.6% G=80.7% B=5.7% Peak WL:  $L_p = 453.6nm$  FWHM=36.5nm  
Render Index:  $R_a = 85.7$  AvgR=79.6 TM30:  $R_f = 87$   $R_g = 96$   $L_{av} = 538.3nm$

R1 =84	R2 =88	R3 =91	R4 =87	R5 =85	R6 =85	R7 =90
R8 =75	R9 =22	R10=72	R11=87	R12=69	R13=85	R14=95
						R15=79

### Photo Parameters:

Flux = 1381 lm Eff. : 83.35 lm/W Fe = 4.580 W

### Electrical parameters:

V = 225.19 V I = 0.2087 A P = 16.56 W PF = 0.3524

WHITE:ANSI\_6500K

Status: Integral T = 39 ms Ip = 53561 (82%)

Model:CEILING LAMP  
Tester:Atanas DAKOV  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:95NEPTUN18LEDE  
Date:2021-09-13 09:13:58  
Humidity:65.0%  
Remarks:7810