

# 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:** 95NIGHTSKY60LED

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

## Product parameters

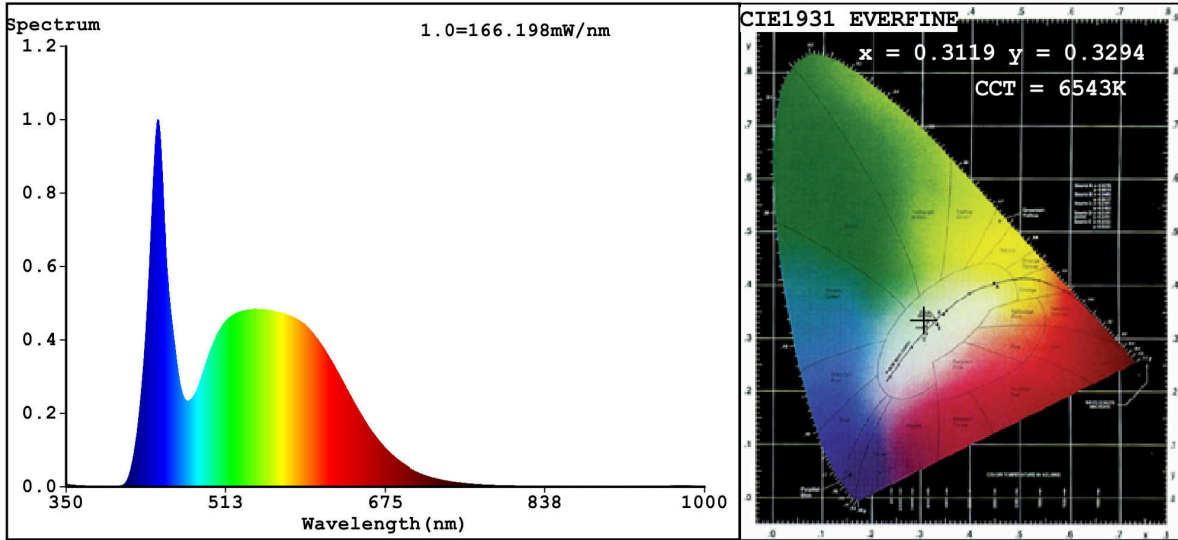
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	60	Energy efficiency class	G
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	5 000 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	3 000 or 4 000 or 6 000
On-mode power ( $P_{on}$ ), expressed in W	61,3	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	83
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 0,329
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	12	Survival factor	0,50
the lumen maintenance factor	0,93		
<b>Parameters for LED and OLED mains light sources:</b>			
displacement factor (cos $\phi_1$ )	0,50	Colour consistency in McAdam ellipses	6
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=0.3119 y=0.3294/u'=0.1971 v'=0.4684  
 CCT=6543K(Duv=0.0038) Dominant WL:Ld =489.3nm WL:Lc = --nm Purity=7.5%  
 Ratio:R=13.4% G=81.2% B=5.4%; Peak WL:Lp=443.2nm FWHM=23.1nm  
 Render Index:Ra=83.1 AvgR=76.7 TM30:Rf=84 Rg=96 Lav=537.4nm

R1 =82 R2 =85 R3 =88 R4 =85 R5 =84 R6 =82 R7 =87  
 R8 =73 R9 =12 R10=65 R11=86 R12=70 R13=82 R14=93 R15=77

**Photo Parameters:**

Flux = 5286 lm Eff. : 86.89 lm/W Fe = 17.50 W

**Electrical parameters:**

V = 219.95 V I = 0.5511 A P = 60.84 W PF = 0.5020

WHITE:ANSI\_6500K

Status: Integral T = 8 ms Ip = 52931 (81%)

**Spectrum Test Report**

