

# 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:** 98SIRIUS300SMD

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

## Product parameters

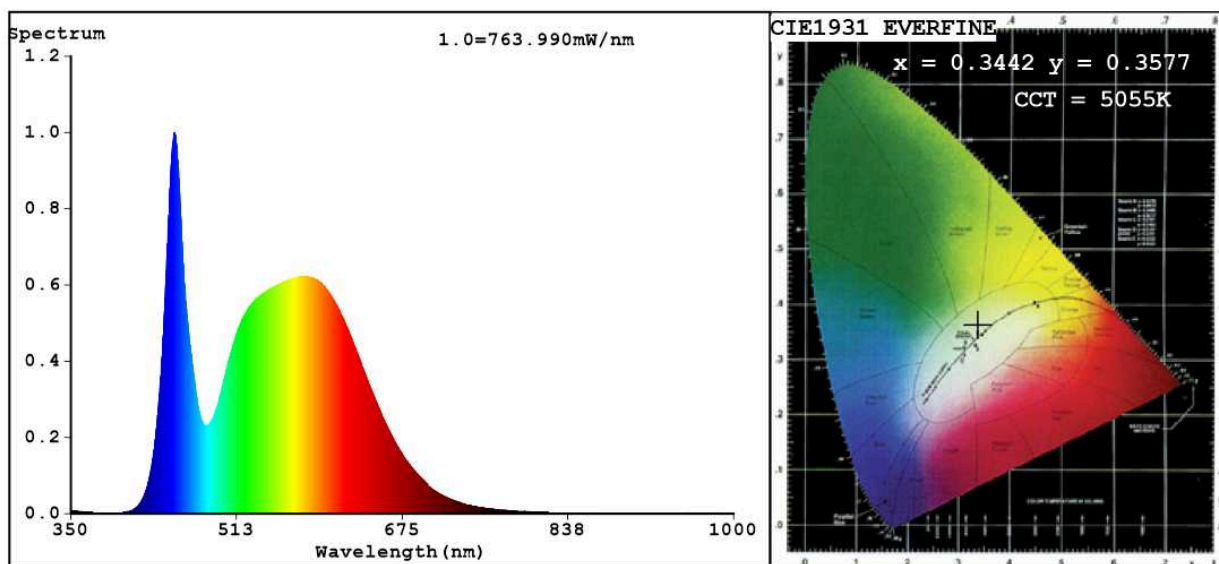
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	300	Energy efficiency class	E
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	30 000 in Narrow cone (90°)	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	5 000
On-mode power ( $P_{on}$ ), expressed in W	303,0	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	-	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)	0,344 0,357	
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	452	Beam angle in degrees, or the range of beam angles that can be set	110	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	4	Survival factor	0,50	
the lumen maintenance factor	0,93			
<b>Parameters for LED and OLED mains light sources:</b>				
displacement factor (cos $\phi_1$ )	0,90	Colour consistency in McAdam ellipses	0	
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:  $x=0.3442$   $y=0.3577$   $u'=0.2085$   $v'=0.4875$

CCT=5055K(Duv=0.0034) Dominant WL:Ld =568.8nm Purity=10.6%

Ratio:R=15.3% G=80.3% B=4.3%; Peak WL:Lp=452.0nm FWHM=23.1nm

Render Index:Ra=81.7

R1 =80	R2 =86	R3 =91	R4 =81	R5 =80	R6 =81	R7 =87
R8 =66	R9 =4	R10=67	R11=80	R12=58	R13=81	R14=95
						R15=74

### Photo Parameters:

Flux = 30262 lm Eff. : 99.81 lm/W Fe = 93.64 W

### Electrical parameters:

V = 229.50 V I = 1.334 A P = 303.2 W PF = 0.9902

WHITE:ANSI\_5000K

Status: Integral T = 1 ms Ip = 28983 (44%)

Model:SIRIUS SMD/300W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:98SIRIUS300SMD  
Date:2018-03-06 14:11  
Humidity:65.0%  
Remarks:017V063B\_4395