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: 98SIRIUS250SMD

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

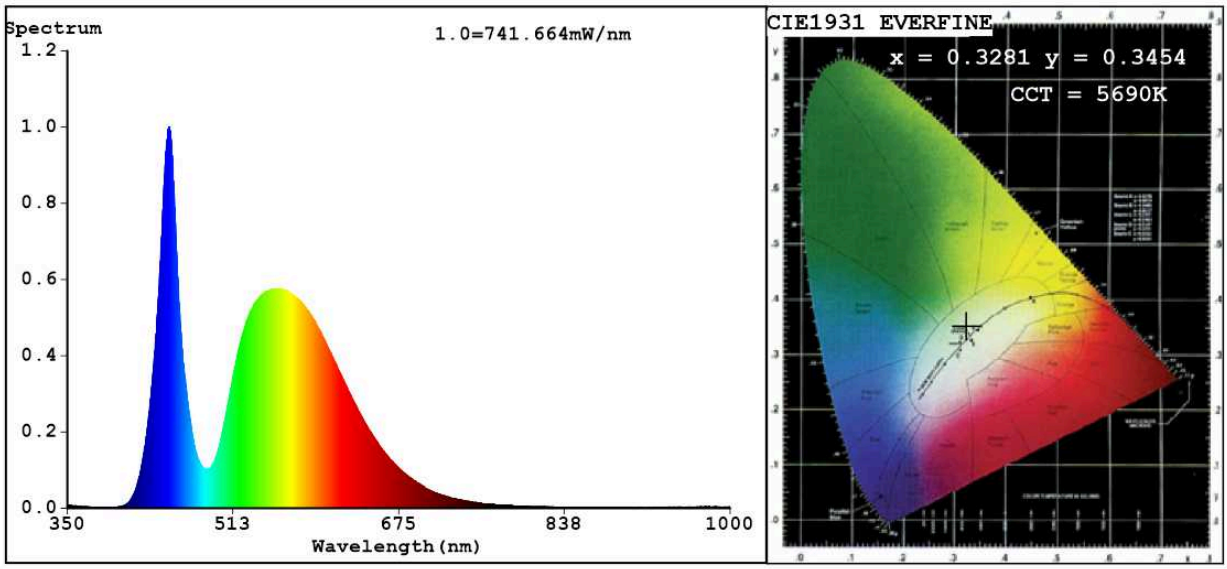
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	250	Energy efficiency class	E
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	25 000 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	5 500
On-mode power (P_{on}), expressed in W	235,1	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	70
Outer dimensions without — Height	386	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	560		
Outer dimensions without — Depth	106		

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[a]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,328 0,345
Parameters for directional light sources:				
Peak luminous intensity (cd)		449	Beam angle in degrees, or the range of beam angles that can be set	110
Parameters for LED and OLED light sources:				
R9 colour rendering index value		0	Survival factor	0,50
the lumen maintenance factor		0,93		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		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=0.3281 y=0.3454/u'=0.2023 v'=0.4791

CCT=5690K(Duv=0.0041) Dominant WL:Ld =525.7nm Purity=2.5%

Ratio:R=12.8% G=83.9% B=3.4%¡¡Peak WL:Lp=449.9nm FWHM=22.3nm

Render Index:Ra=70.5

R1 =68	R2 =75	R3 =78	R4 =71	R5 =69	R6 =65	R7 =81	
R8 =58	R9 =0	R10=38	R11=67	R12=38	R13=68	R14=87	R15=63

Photo Parameters:

Flux = 24966 lm Eff. : 106.19 lm/W Fe = 75.79 W

Electrical parameters:

V = 219.96 V I = 1.087 A P = 235.1 W PF = 0.9834

WHITE:ANSI_5700K

Status: Integral T = 1 ms Ip = 34650 (53%)

Model:SIRIUS250SMD/250W	Number:98SIRIUS250SMD
Tester:Petya Marinova	Date:2016-08-04 16:41
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:O16V017B-1-2_2941