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: 98SIRIUS200SMD

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

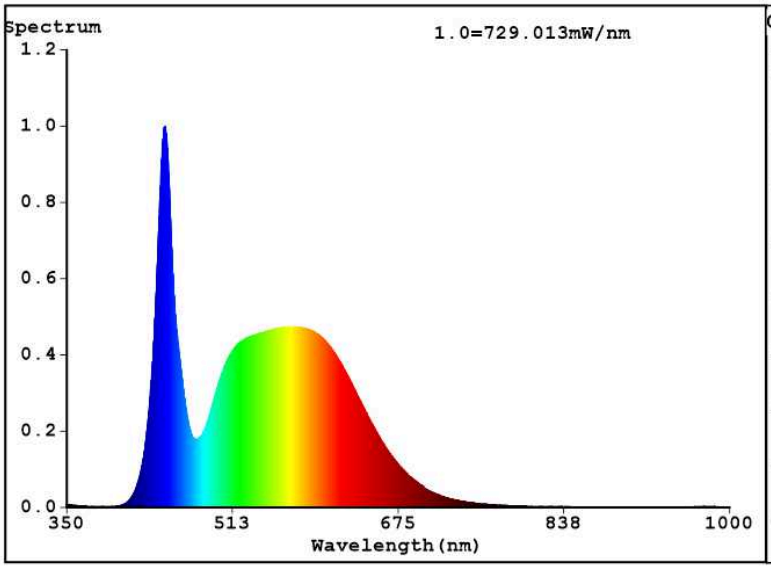
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	200	Energy efficiency class	E
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	22 000 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	5 700
On-mode power (P_{on}), expressed in W	208,0	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	83
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		

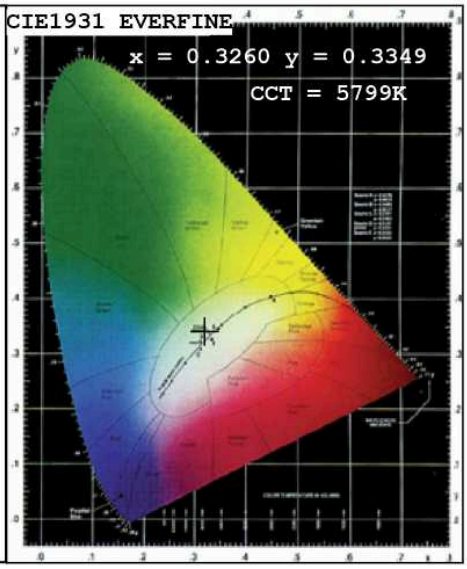
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[a]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,326 0,334
Parameters for directional light sources:				
Peak luminous intensity (cd)		446	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		17	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=0.3260 y=0.3349/u'=0.2048 v'=0.4734

CCT=5799K(Duv=-0.0002) Dominant WL:Ld =494.5nm WL:Lc = --nm Purity=2.4%

Ratio:R=14.7% G=80.6% B=4.7%¡¡Peak WL:Lp=446.5nm FWHM=20.3nm

Render Index:Ra=83.4

R1 =83	R2 =86	R3 =87	R4 =85	R5 =85	R6 =81	R7 =86
R8 =73	R9 =17	R10=66	R11=87	R12=66	R13=83	R14=93	R15=79

Photo Parameters:

Flux = 22653 lm Eff. : 108.90 lm/W Fe = 73.43 W

Electrical parameters:

V = 219.70 V I = 0.9609 A P = 208.0 W PF = 0.9854

WHITE:ANSI_5700K

Status: Integral T = 1 ms Ip = 30303 (46%)

Model:LED OUTDOOR LIGHTING	Number:98SIRIUS200SMD
Tester:Atanas DAKOV	Date:2021-01-25 15:11:18
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:7084