

# Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light sources

**Supplier's name or trade mark:** STELLAR

**Supplier's address:** ELMARK INDUSTRIES SC, bul.Dobrudja 2, 9300 Dobrich Dobrich, BG

**Model identifier:** 98ROUTE100SMD

## 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:	Yes		
Anti-glare shield:	No	Dimmable:	No

## Product parameters

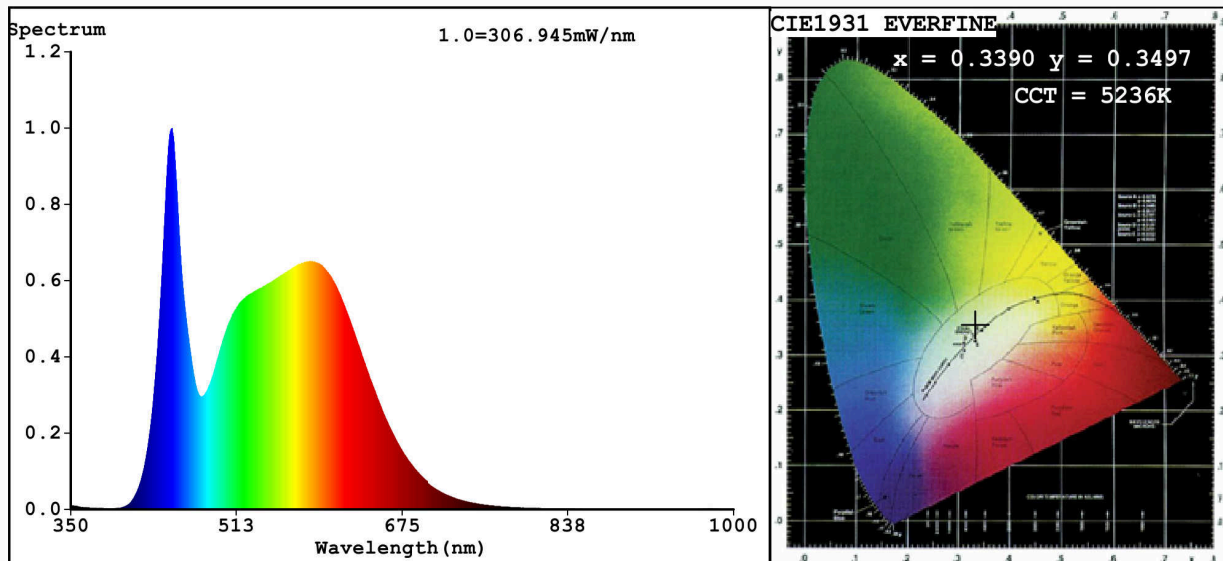
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	100	Energy efficiency class	F
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	9 800 in Wide cone (120°)	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	105,0	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	84
Outer dimensions without separate control gear, lighting control	Height	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width		
	Depth		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power <sup>(a)</sup>	Yes	If yes, equivalent power (W)	99	
		Chromaticity coordinates (x and y)	0,339 0,349	
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	4 897	Beam angle in degrees, or the range of beam angles that can be set	114	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	12	Survival factor	0,40	
the lumen maintenance factor	1,00			
<b>Parameters for LED and OLED mains light sources:</b>				
displacement factor (cos $\phi_1$ )	0,90	Colour consistency in McAdam ellipses	5	
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	Yes <sup>(b)</sup>	If yes then replacement claim (W)	99	
Flicker metric (Pst LM)	1,0	Stroboscopic effect metric (SVM)	1,0	

(a) : not applicable;

(b) : not applicable;

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3390$   $y=0.3497$  /  $u'=0.2080$   $v'=0.4829$   
 CCT=5236K (Duv=0.0016) Dominant WL:  $\lambda_d = 566.3nm$  WL:  $\lambda_c = --nm$  Purity=6.6%  
 Ratio: R=15.5% G=79.7% B=4.9% ; Peak WL:  $\lambda_p = 449.2nm$  FWHM=26.2nm  
 Render Index:  $R_a = 84.7$

R1 =83	R2 =89	R3 =93	R4 =86	R5 =85	R6 =85	R7 =87
R8 =69	R9 =12	R10=74	R11=86	R12=70	R13=84	R14=96 R15=78

### Photo Parameters:

Flux = 12767 lm Eff. : 124.39 lm/W  $P_e = 40.50 W$

### Electrical parameters:

$V = 219.86 V$   $I = 0.4790 A$   $P = 102.6 W$  PF = 0.9745  
 WHITE: ANSI\_5000K

Status: Integral T = 4 ms  $I_p = 38769 (59\%)$

Model: LED OUTDOOR LIGHTING  
 Tester: Atanas DAKOV  
 Temperature: 25.3Deg  
 Manufacturer: ELMARK

Number: 98ROUTE100SMD  
 Date: 2020-01-17 12:40:21  
 Humidity: 65.0%  
 Remarks: 6361

Model placed on the Union market from 02/10/2019.



**EPREL registration number:** 728960

<https://eprel.ec.europa.eu/qr/728960>

**Supplier:** ELMARK INDUSTRIES SC (Importer)

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