

# 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:** 99DS203

## Type of light source:

Lighting technology used:	mixed	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	Integrated LED		
Mains or non-mains:	MLS	Connected light source (CLS):	Yes
Colour-tuneable light source:	No	Envelope:	No
High luminance light source:	Yes		
Anti-glare shield:	No	Dimmable:	No

## Product parameters

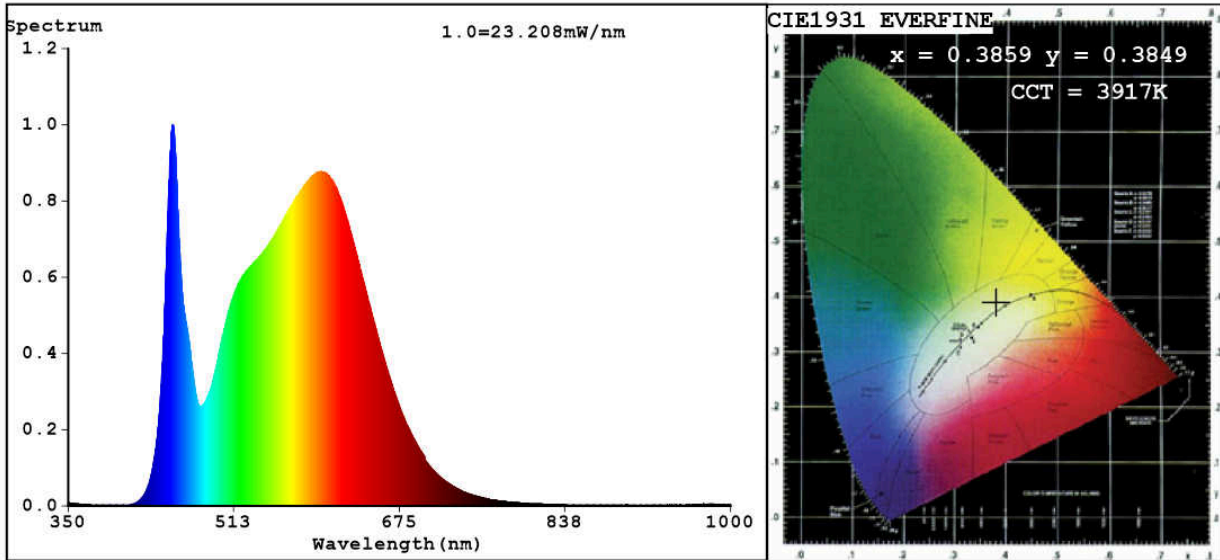
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	15	Energy efficiency class	G
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 000 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	4 000
On-mode power ( $P_{on}$ ), expressed in W	13,0	Standby power ( $P_{sb}$ ), expressed in W and rounded to the second decimal	0,30
Networked standby power ( $P_{net}$ ) for CLS, expressed in W and rounded to the second decimal	0,20	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	210	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	210	
	Depth	49	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power <sup>(a)</sup>	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,385 0,384

(a): not applicable;

(b): not applicable;

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3859$   $y=0.3849$  /  $u'=0.2254$   $v'=0.5059$   
 CCT=3917K (Duv=0.0022) Dominant WL:Ld =578.3nm WL:Lc = --nm Purity=31.3%  
 Ratio:R=18.8% G=77.6% B=3.6% ; Peak WL:Lp=452.3nm FWHM=20.1nm  
 Render Index:Ra=84.7 AvgR=78.4 TM30:Rf=85 Rg=95 Lav=572.3nm

R1 =83 R2 =91 R3 =96 R4 =83 R5 =83 R6 =87 R7 =87  
 R8 =67 R9 =16 R10=78 R11=83 R12=61 R13=85 R14=98 R15=77

**Photo Parameters:**

Flux = 1180 lm Eff. : 101.22 lm/W Fe = 3.597 W

**Electrical parameters:**

V = 225.17 V I = 0.2059 A P = 11.65 W PF = 0.2514  
 WHITE:ANSI\_4000K

Status: Integral T = 54 ms Ip = 53372 (81%)

Model:ST73A  
 Tester:Atanas DAKOV  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:99DS203  
 Date:2021-10-12 09:57:52  
 Humidity:65.0%  
 Remarks: