

# 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:** 99DS202

## 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

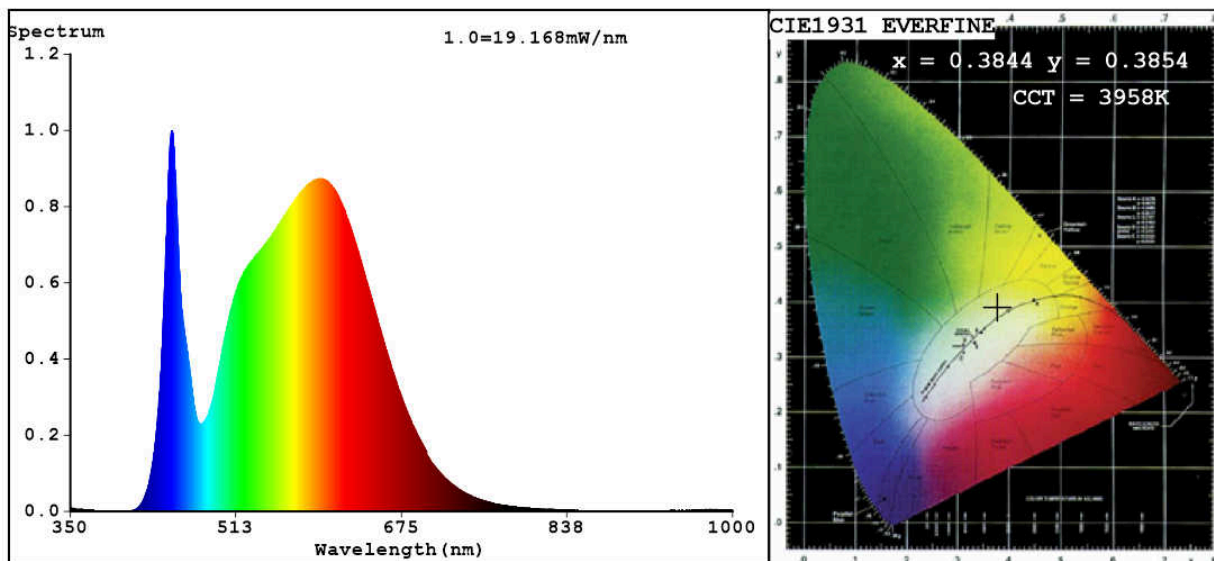
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	15	Energy efficiency class	G
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a 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	11,8	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	212	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	119	
	Depth	44	
			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)	0,384 0,385

(a): not applicable;

(b): not applicable;

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3844$   $y=0.3854$  /  $u'=0.2243$   $v'=0.5059$   
 CCT=3958K(Duv=0.0029) Dominant WL:Ld =577.8nm WL:Lc = --nm Purity=31.0%  
 Ratio:R=18.4% G=78.2% B=3.4% ; Peak WL:Lp=449.6nm FWHM=19.6nm  
 Render Index:Ra=84.0 AvgR=77.6 TM30:Rf=86 Rg=96 Lav=573.0nm

R1 =82    R2 =88    R3 =94    R4 =84    R5 =82    R6 =84    R7 =89  
 R8 =69    R9 =18    R10=73    R11=83    R12=60    R13=84    R14=96    R15=77

**Photo Parameters:**

Flux = 998.8 lm    Eff. : 84.55 lm/W    Fe = 3.082 W

**Electrical parameters:**

V = 225.16 V    I = 0.2009 A    P = 11.81 W PF = 0.2612

WHITE:ANSI\_4000K

Status: Integral T = 54 ms    Ip = 44478 (68%)

Model:ST72A  
 Tester:Atanas DAKOV  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:99DS202  
 Date:2021-10-12 09:47:45  
 Humidity:65.0%  
 Remarks: