

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: 99DS201

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

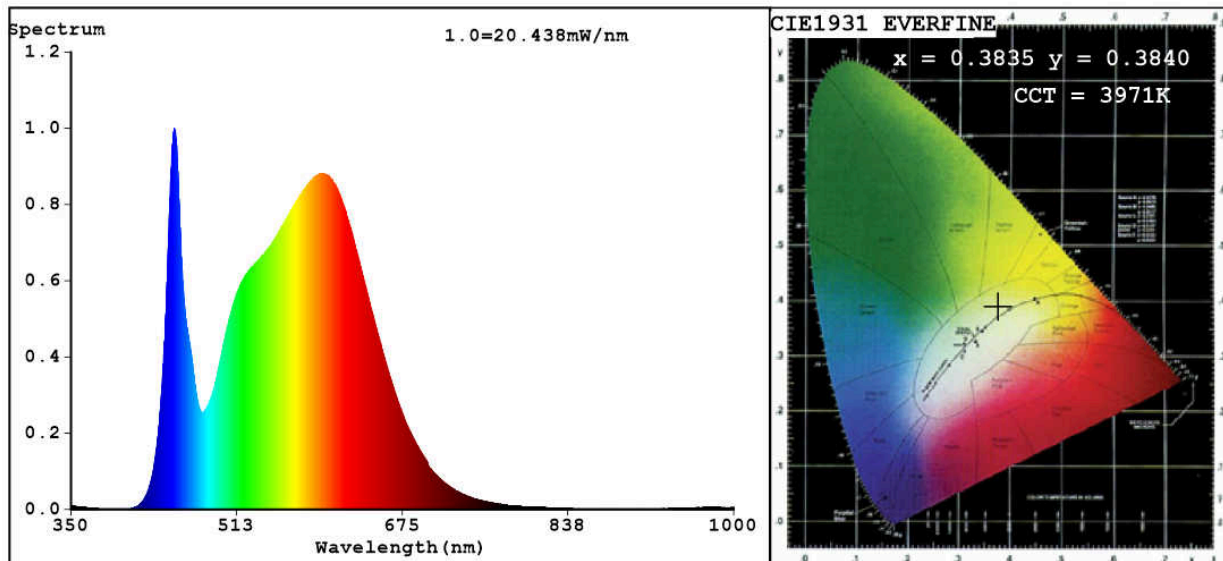
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	10	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 050 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	12,7	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	83
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 ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,383 0,384	

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3835$ $y=0.3840$ $u'=0.2242$ $v'=0.5052$
 CCT=3971K (Duv=0.0025) Dominant WL: $L_d=577.9\text{nm}$ WL: $L_c = \text{--nm}$ Purity=30.3%
 Ratio: R=18.4% G=78.0% B=3.6% Peak WL: $L_p=451.3\text{nm}$ FWHM=19.8nm
 Render Index: $R_a=83.9$ $\text{AvgR}=77.3$ TM30: $R_f=85$ $R_g=95$ $L_{av}=570.9\text{nm}$

R1 =82 R2 =90 R3 =96 R4 =83 R5 =82 R6 =86 R7 =87
 R8 =66 R9 =12 R10=76 R11=82 R12=61 R13=84 R14=98 R15=76

Photo Parameters:

Flux = 1048 lm Eff. : 82.23 lm/W $F_e = 3.181\text{ W}$

Electrical parameters:

V = 225.18 V I = 0.1975 A P = 12.74 W PF = 0.2865

WHITE: ANSI_4000K

Status: Integral T = 49 ms $I_p = 43069$ (66%)

Model: ST73V
 Tester: Atanas DAKOV
 Temperature: 25.3Deg
 Manufacturer: ELMARK

Number: 99DS201
 Date: 2021-10-11 09:11:33
 Humidity: 65.0%
 Remarks: MOSTRA