

# 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:** 99DS204

**Type of light source:**

Lighting technology used:	mixed	Non-directional or directional:	DLS
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

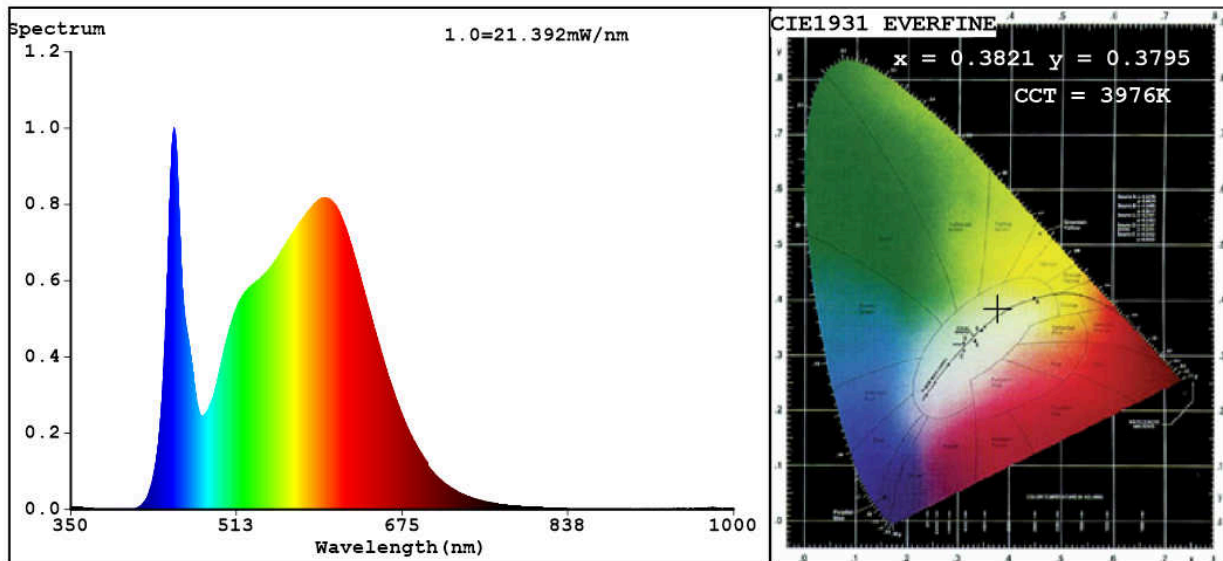
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	15	Energy efficiency class	F
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 100 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	4 000
On-mode power ( $P_{on}$ ), expressed in W	12,8	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	85
Outer dimensions without	Height	Spectral power distribution in the	See image in last page
	Width		
	Depth		

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 <sup>(a)</sup>	-		If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,382 0,379
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	451		Beam angle in degrees, or the range of beam angles that can be set	30

(a) '-': not applicable;

(b) '-': not applicable;

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3821$   $y=0.3795$   $u'=0.2251$   $v'=0.5030$   
 CCT=3976K (Duv=0.0008) Dominant WL:  $\lambda_d = 578.7nm$  WL:  $\lambda_c = --nm$  Purity=28.6%  
 Ratio: R=18.8% G=77.5% B=3.7% Peak WL:  $\lambda_p = 451.3nm$  FWHM=18.8nm  
 Render Index: Ra=85.6 AvgR=79.6 TM30: Rf=86 Rg=96 Lav=571.3nm

R1 =84	R2 =91	R3 =96	R4 =85	R5 =84	R6 =88	R7 =88
R8 =69	R9 =20	R10=79	R11=85	R12=63	R13=86	R14=98 R15=79

### Photo Parameters:

Flux = 1015 lm Eff. : 79.10 lm/W  $\Phi_e = 3.127 W$

### Electrical parameters:

V = 225.16 V I = 0.2083 A P = 12.83 W PF = 0.2736

WHITE: ANSI\_4000K

Status: Integral T = 57 ms  $I_p = 50908 (78\%)$

Model: ST53M  
 Tester: Atanas DAKOV  
 Temperature: 25.3Deg  
 Manufacturer: ELMARK

Number: 99DS204  
 Date: 2021-10-12 11:31:54  
 Humidity: 65.0%  
 Remarks: