

# 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:** 9RT5300/WH

**Type of light source:**

Lighting technology used:	LED	Non-directional or directional:	NDLS
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:	No		
Anti-glare shield:	No	Dimmable:	No

## Product parameters

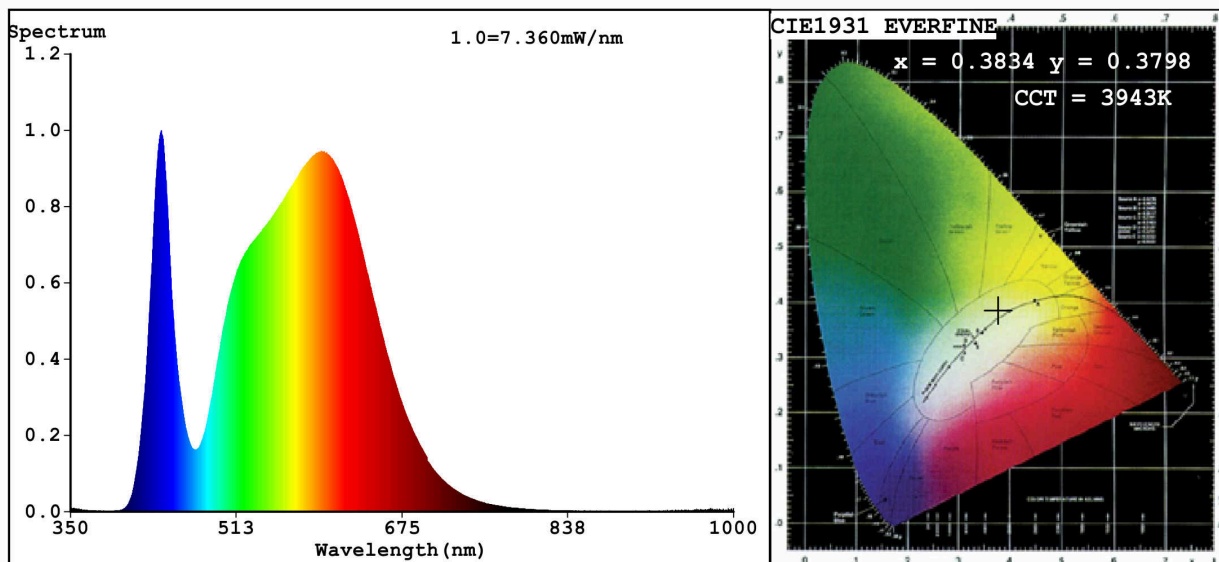
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	5	Energy efficiency class	G
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	400 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	4,9	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	81
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)	0,383 0,379	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	12	Survival factor	0,50	
the lumen maintenance factor	0,93			
<b>Parameters for LED and OLED mains light sources:</b>				
displacement factor (cos $\phi_1$ )	0,40	Colour consistency in McAdam ellipses	5	
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	-(b)	If yes then replacement claim (W)	-	
Flicker metric (Pst LM)	0,5	Stroboscopic effect metric (SVM)	0,8	

(a) : not applicable;

(b) : not applicable;

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3834$   $y=0.3798$   $u'=0.2259$   $v'=0.5034$

$CCT=3943K$  ( $Duv=0.0006$ ) Dominant WL:  $Ld = 579.0nm$  Purity=29.1%

Ratio:  $R=18.5\%$   $G=78.6\%$   $B=2.9\%$  Peak WL:  $Lp=439.0nm$  FWHM=24.2nm

Render Index:  $Ra=81.7$

R1 =81	R2 =85	R3 =89	R4 =83	R5 =82	R6 =81	R7 =85
R8 =67	R9 =12	R10=66	R11=85	R12=68	R13=81	R14=94
						R15=75

### Photo Parameters:

Flux = 409.2 lm Eff. : 83.48 lm/W  $Fe = 1.273 W$

### Electrical parameters:

$V = 229.98 V$   $I = 0.04359 A$   $P = 4.902 W$   $PF = 0.4890$

WHITE:ANSI\_4000K

Status: Integral T = 109 ms  $Ip = 48267 (74\%)$

Model:RAINBOW LED SMD/5W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:9RT5300/WH  
Date:2018-10-15 15:34  
Humidity:65.0%  
Remarks:018V024B\_4903