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: 9RT5900/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

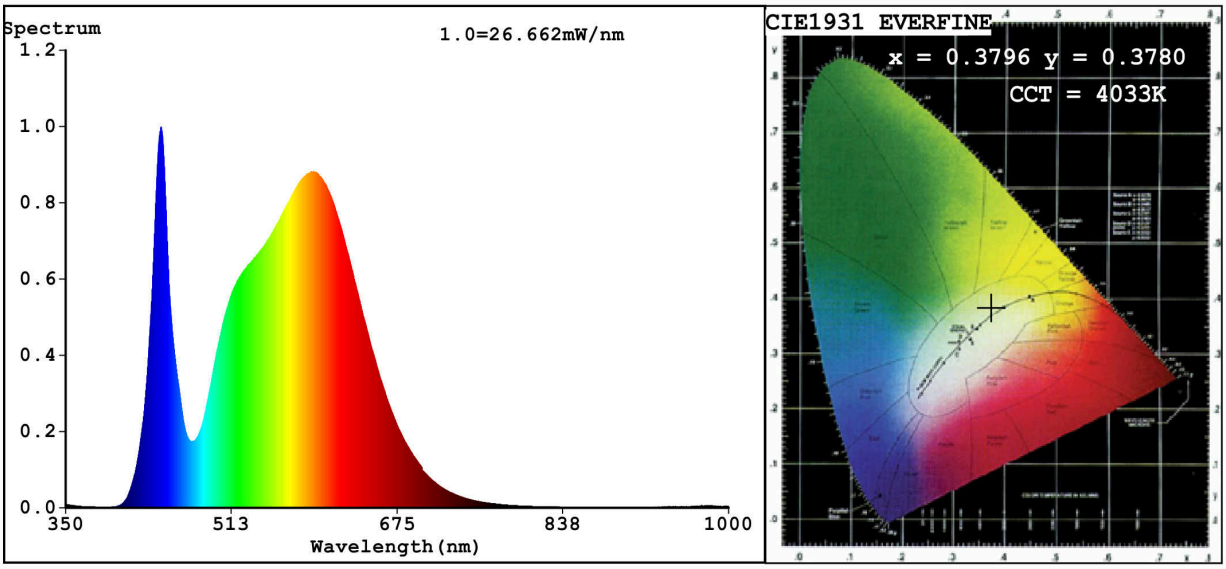
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	14	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	1 300 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	16,0	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	80
Outer dimensions without — Height	860	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	35		
Outer dimensions without — Depth	22		

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[a]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,376 0,378
Parameters for LED and OLED light sources:				
R9 colour rendering index value		0	Survival factor	0,50
the lumen maintenance factor		0,93		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,30	Colour consistency in McAdam ellipses	1
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)		0,0	Stroboscopic effect metric (SVM)	0,0

[a] '-' : not applicable;

[b] '-' : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.3796 y=0.3780/u'=0.2240 v'=0.5020

CCT=4033K(Duv=0.0009) Dominant WL:Ld =578.5nm WL:Lc = --nm Purity=27.3%

Ratio:R=17.8% G=79.1% B=3.1%¡¡Peak WL:Lp=443.5nm FWHM=20.3nm

Render Index:Ra=80.2

R1 =78	R2 =85	R3 =91	R4 =81	R5 =79	R6 =80	R7 =84	
R8 =62	R9 =0	R10=65	R11=82	R12=65	R13=79	R14=95	R15=71

Photo Parameters:

Flux = 1353 lm Eff. : 81.05 lm/W Fe = 4.092 W

Electrical parameters:

V = 219.99 V I = 0.2254 A P = 16.69 W PF = 0.3366

WHITE:ANSI_4000K

Status: Integral T = 46 ms Ip = 52151 (80%)

Model:RAINBOW LED SMD	Number:9RT5900 WH
Tester:Atanas DAKOV	Date:2021-04-14 13:06:42
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:7467