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: 9RT51200/WW

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

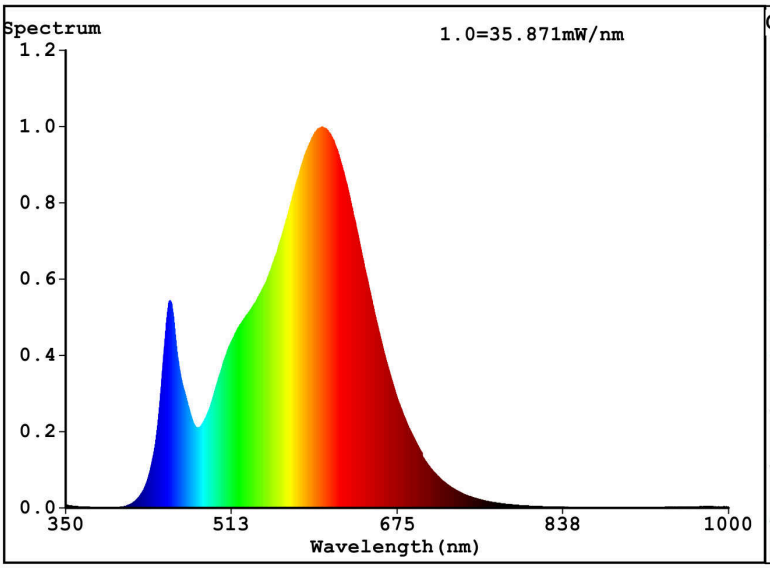
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	1 500 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	3 000
On-mode power (P_{on}), expressed in W	20,0	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	81
Outer dimensions without — Height	1 165	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	35		
Outer dimensions without — Depth	22		

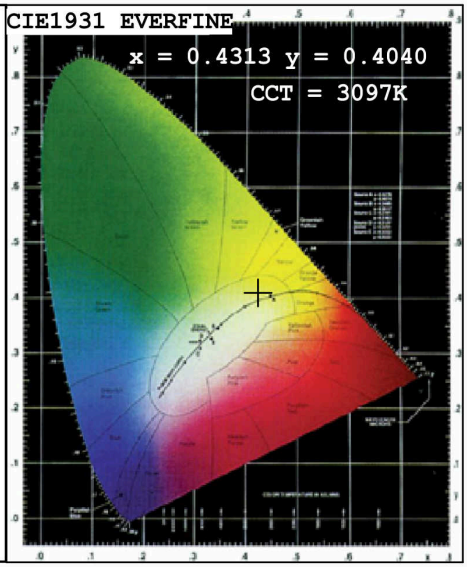
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[a]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,431 0,404
Parameters for LED and OLED light sources:				
R9 colour rendering index value		2	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	6
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)		0,4	Stroboscopic effect metric (SVM)	0,6

[a] '-' : not applicable;

[b] '-' : not applicable;

Spectrum Test Report





Color Parameters:

Chromaticity Coordinate:x=0.4313 y=0.4040/u'=0.2470 v'=0.5205

CCT=3097K(Duv=0.0008) Dominant WL:Ld =582.1nm WL:Lc = --nm Purity=50.7%

Ratio:R=22.1% G=75.1% B=2.7%¡¡Peak WL:Lp=601.8nm FWHM=128.3nm

Render Index:Ra=81.9 AvgR=75.9 TM30:Rf=84 Rg=94 Lav=586.7nm

R1 =80	R2 =91	R3 =96	R4 =80	R5 =80	R6 =89	R7 =82	
R8 =57	R9 =2	R10=79	R11=79	R12=70	R13=83	R14=98	R15=72

Photo Parameters:

Flux = 1778 lm Eff. : 88.02 lm/W Fe = 5.348 W

Electrical parameters:

V = 220.00 V I = 0.2414 A P = 20.20 W PF = 0.3804

WHITE:ANSI_3000K

Status: Integral T = 31 ms Ip = 47405 (72%)

Model:RAINBOW LED SMD	Number:9RT51200/WW
Tester:Atanas DAKOV	Date:2021-06-02 08:55:07
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:7593