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: 9RT5600/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

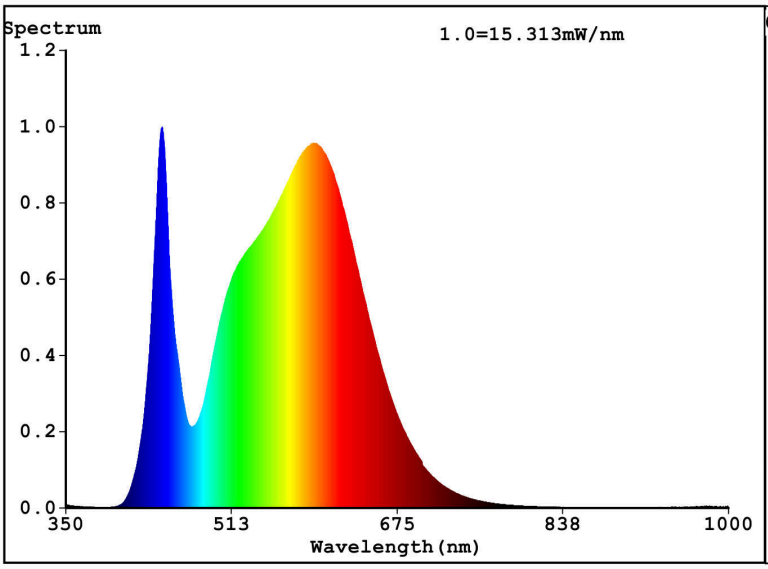
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	9	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	800 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	11,4	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	555	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	35		
Outer dimensions without — Depth	22		

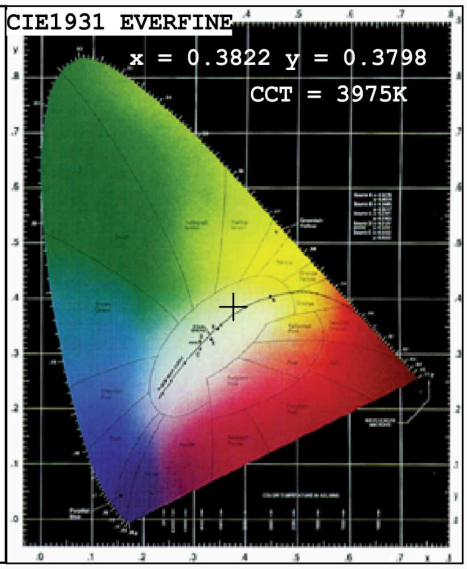
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[a]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,382 0,379
Parameters for LED and OLED light sources:				
R9 colour rendering index value		2	Survival factor	0,50
the lumen maintenance factor		0,90		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,20	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=0.3822 y=0.3798/u'=0.2251 v'=0.5032

CCT=3975K(Duv=0.0009) Dominant WL:Ld =578.7nm WL:Lc = --nm Purity=28.7%

Ratio:R=18.1% G=78.6% B=3.2%¡¡Peak WL:Lp=444.8nm FWHM=21.7nm

Render Index:Ra=81.5

R1 =80	R2 =86	R3 =93	R4 =82	R5 =80	R6 =82	R7 =85	
R8 =63	R9 =2	R10=69	R11=82	R12=67	R13=81	R14=96	R15=73

Photo Parameters:

Flux = 838.8 lm Eff. : 73.39 lm/W Fe = 2.546 W

Electrical parameters:

V = 220.03 V I = 0.2059 A P = 11.43 W PF = 0.2523

WHITE:ANSI_4000K

Status: Integral T = 73 ms Ip = 51353 (78%)

Model:RAINBOW LED SMD	Number:9RT5600 WH
Tester:Atanas DAKOV	Date:2021-04-14 12:59:23
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:7467