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/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

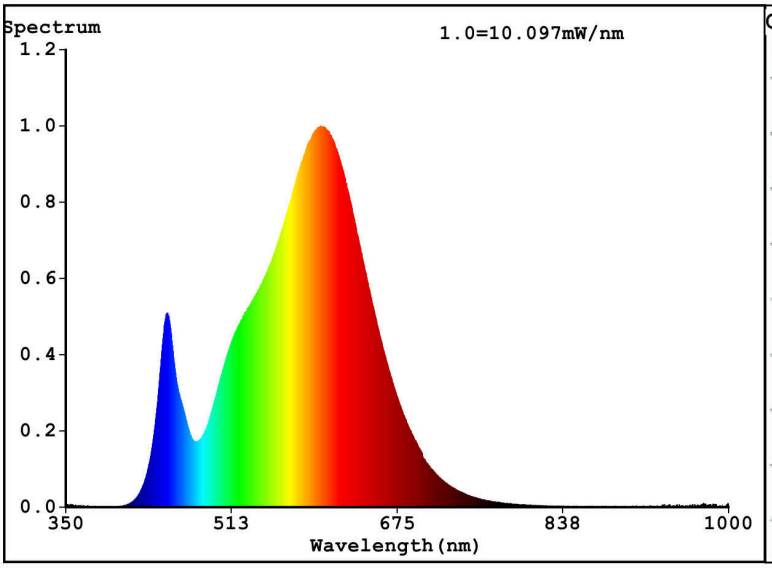
Parameter		Value	Parameter	Value
General product parameters:				
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer		5	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)		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		5,8	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 separate control gear, lighting control	Height	320	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width	35		
	Depth	22		

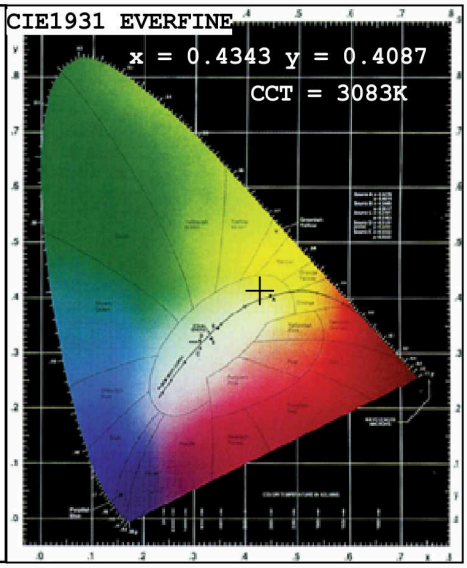
parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,434 0,408
Parameters for LED and OLED light sources:				
R9 colour rendering index value		0	Survival factor	0,50
the lumen maintenance factor		0,93		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,50	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)		0,5	Stroboscopic effect metric (SVM)	0,6

[(a)] '-' : not applicable;

[(b)] '-' : not applicable;

Spectrum Test Report





Color Parameters:

Chromaticity Coordinate:x=0.4343 y=0.4087/u'=0.2469 v'=0.5228

CCT=3083K(Duv=0.0022) Dominant WL:Ld =581.7nm Purity=53.0%

Ratio:R=21.9% G=75.7% B=2.4%¡¡Peak WL:Lp=599.8nm FWHM=130.0nm

Render Index:Ra=80.6

R1 =78	R2 =88	R3 =97	R4 =79	R5 =78	R6 =85	R7 =83	
R8 =56	R9 =0	R10=73	R11=78	R12=66	R13=80	R14=98	R15=70

Photo Parameters:

Flux = 502.7 lm Eff. : 85.33 lm/W Fe = 1.491 W

Electrical parameters:

V = 220.18 V I = 0.05083 A P = 5.892 W PF = 0.5264

WHITE:ANSI_3000K

Status: Integral T = 71 ms Ip = 49295 (75%)

Model:RAINBOW LED SMD/5W	Number:9RT5300/WW
Tester:Petya Marinova	Date:2016-06-16 12:25
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:O15V047B_ 2707