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: 9618LEDW

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
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

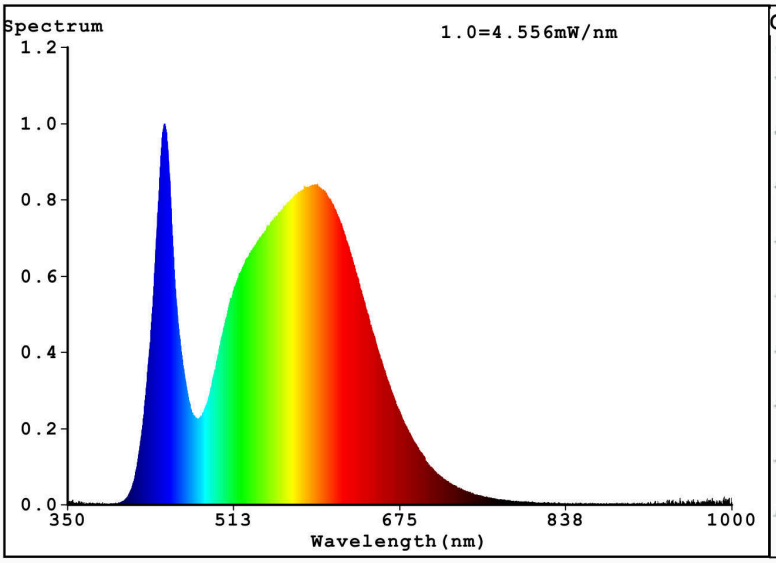
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	9	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	250 in Narrow cone (90°)	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	9,8	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 — Height	44	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	138		
Outer dimensions without — Depth	143		

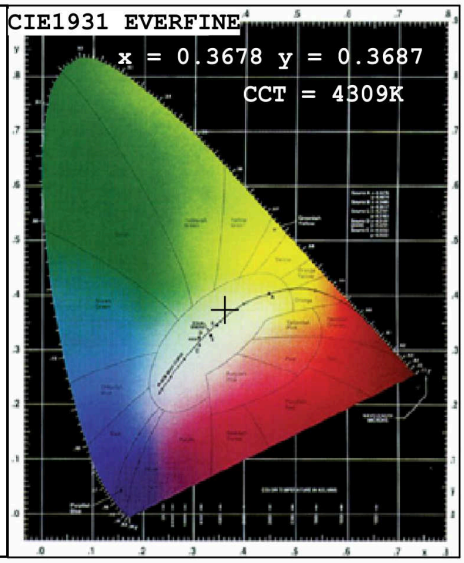
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[a]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,370 0,372
Parameters for directional light sources:				
Peak luminous intensity (cd)		445	Beam angle in degrees, or the range of beam angles that can be set	30
Parameters for LED and OLED light sources:				
R9 colour rendering index value		7	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	0
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=0.3678 y=0.3687/u'=0.2200 v'=0.4961

CCT=4309K(Duv=0.0001) Dominant WL:Ld =577.8nm Purity=21.0%

Ratio:R=17.3% G=79.3% B=3.4%¡¡Peak WL:Lp=445.1nm FWHM=24.7nm

Render Index:Ra=81.5

R1 =80	R2 =85	R3 =89	R4 =83	R5 =81	R6 =80	R7 =86	
R8 =68	R9 =10	R10=65	R11=82	R12=64	R13=81	R14=94	R15=75

Photo Parameters:

Flux = 232.0 lm Eff. : 24.58 lm/W Fe = 723.9 mW

Electrical parameters:

V = 220.13 V I = 0.08495 A P = 9.438 W PF = 0.5047

WHITE:ANSI_4500K

Status: Integral T = 126 ms Ip = 39651 (61%)

Model:GRF9618 LED_9W	Number:9618LEDW
Tester:Petya Marinova	Date:2015-04-17 14:52
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:EVERFINE	Remarks:PO001902