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: 9617LEDW

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

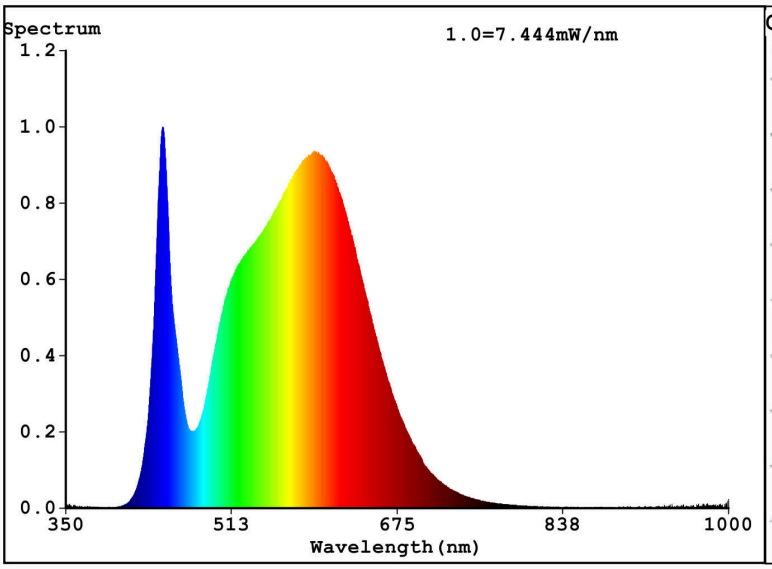
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	9	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	450 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	7,0	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	82
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		

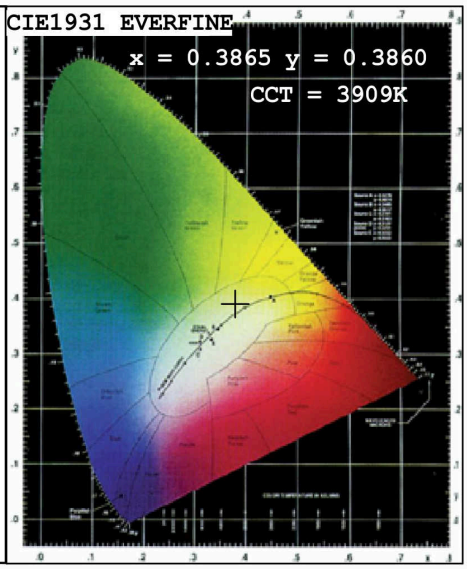
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[a]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,386 0,386
Parameters for directional light sources:				
Peak 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)		0,80	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=0.3865 y=0.3860/u'=0.2254 v'=0.5065

CCT=3909K(Duv=0.0026) Dominant WL:Ld =578.2nm Purity=31.8%

Ratio:R=18.4% G=78.5% B=3.2%¡¡Peak WL:Lp=445.5nm FWHM=19.4nm

Render Index:Ra=82.2

R1 =80	R2 =87	R3 =93	R4 =83	R5 =81	R6 =83	R7 =86	
R8 =65	R9 =7	R10=70	R11=83	R12=65	R13=81	R14=96	R15=74

Photo Parameters:

Flux = 403.4 lm Eff. : 56.87 lm/W Fe = 1.219 W

Electrical parameters:

V = 230.01 V I = 0.03520 A P = 7.094 W PF = 0.8762

WHITE:ANSI_4000K

Status: Integral T = 116 ms Ip = 51562 (79%)

Model:GRF9617 LED/3x3W	Number:9617LEDW
Tester:Petya Marinova	Date:2019-03-18 10:50
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:ESPL20181218_5427