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: 99LED904

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	G53		
Mains or non-mains:	MLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	Yes		
Anti-glare shield:	No	Dimmable:	Yes

Product parameters

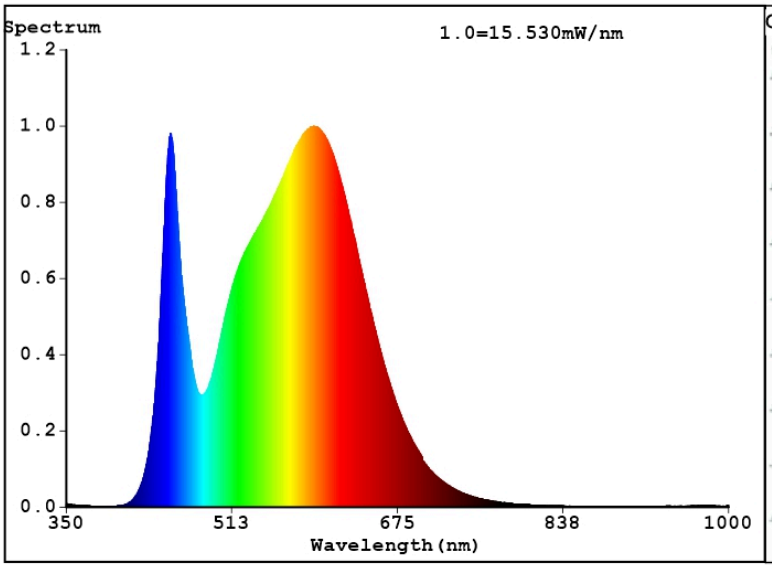
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	11	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	900 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	11,7	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	111	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	111		
Outer dimensions without — Depth	58		

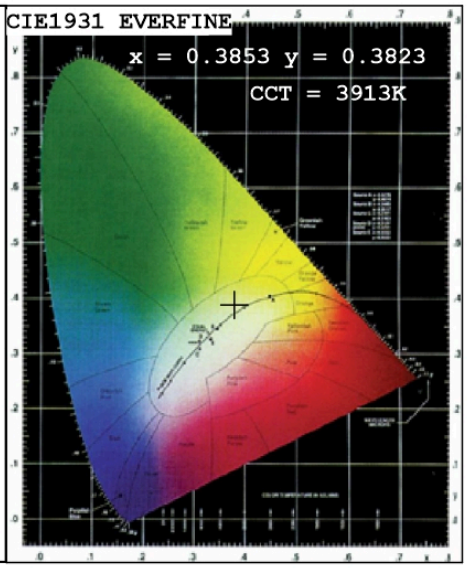
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[a]		Yes	If yes, equivalent power (W)	70
			Chromaticity coordinates (x and y)	0,385 0,382
Parameters for directional light sources:				
Peak luminous intensity (cd)		592	Beam angle in degrees, or the range of beam angles that can be set	36
Parameters for LED and OLED light sources:				
R9 colour rendering index value		3	Survival factor	0,50
the lumen maintenance factor		0,95		
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.		Yes[b]	If yes then replacement claim (W)	65
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=0.3853 y=0.3823/u'=0.2261 v'=0.5047

CCT=3913K(Duv=0.0012) Dominant WL:Ld =578.8nm Purity=30.4%

Ratio:R=18.3% G=78.2% B=3.5%¡¡Peak WL:Lp=592.8nm FWHM=144.4nm

Render Index:Ra=81.8

R1 =80	R2 =89	R3 =95	R4 =80	R5 =80	R6 =84	R7 =85	
R8 =62	R9 =3	R10=73	R11=78	R12=60	R13=82	R14=97	R15=73

Photo Parameters:

Flux = 882.4 lm Eff. : 75.31 lm/W Fe = 2.658 W

Electrical parameters:

V = 229.88 V I = 0.09103 A P = 11.72 W PF = 0.5600

WHITE:ANSI_4000K

Status: Integral T = 52 ms Ip = 41153 (63%)

Model:LED AR111/11W	Number:99LED904
Tester:Petya Marinova	Date:2017-10-19 09:47
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:O17V032B_4031