

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: 99LED905

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

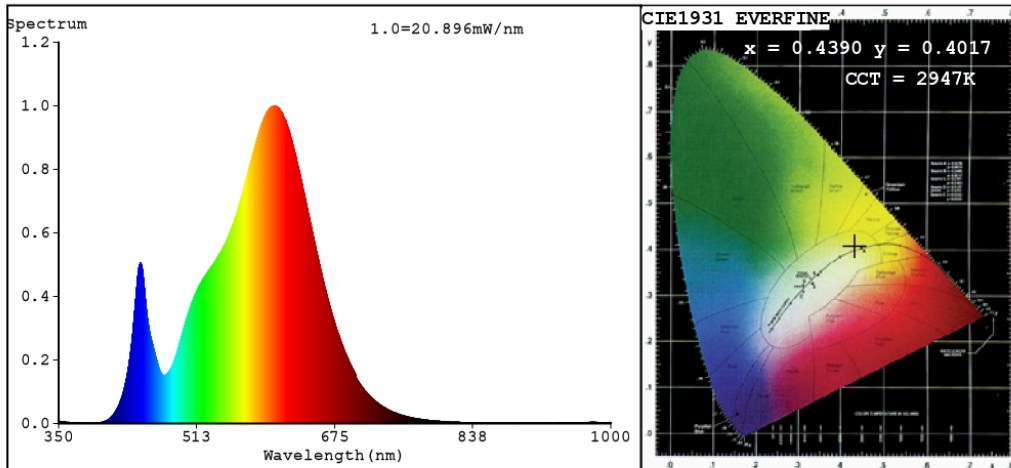
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	11	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 000 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	2 900
On-mode power (P_{on}), expressed in W	11,6	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 separate control gear, lighting control	Height	111	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	111	
	Depth	70	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power ^(a)	Yes	If yes, equivalent power (W)	70
		Chromaticity coordinates (x and y)	0,439 0,401
Parameters for directional light sources:			
Peak luminous intensity (cd)	604	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	7	Survival factor	0,50
the lumen maintenance factor	0,95		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	0,90	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: $x=0.4390$ $y=0.4017$ / $u'=0.2529$ $v'=0.5208$
 CCT=2947K (Duv=-0.0012) Dominant WL: $\lambda_d = 583.5\text{nm}$ WL: $\lambda_c = \text{--nm}$ Purity=52.3%
 Ratio: R=23.3% G=74.3% B=2.4%; Peak WL: $\lambda_p = 604.4\text{nm}$ FWHM=125.8nm
 Render Index: Ra=82.7

R1 =81 R2 =90 R3 =97 R4 =82 R5 =82 R6 =89 R7 =83
 R8 =59 R9 =7 R10=79 R11=82 R12=76 R13=83 R14=99 R15=73

Photo Parameters:

Flux = 1008 lm Eff. : 86.83 lm/W $P_e = 3.104$ W

Electrical parameters:

V = 229.70 V I = 0.05271 A P = 11.61 W PF = 0.9593
 WHITE:ANSI_3000K

~~Status: Integral T = 45 ms Ip = 47140 (72%)~~

Model: LED Lamp AR111
 Tester: EB
 Temperature: 22.3Deg
 Manufacturer: ELMARK

Number: 99LED905
 Date: 2023-04-13 14:03:13
 Humidity: 65.0%
 Remarks: na