

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: 99LED936WW

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

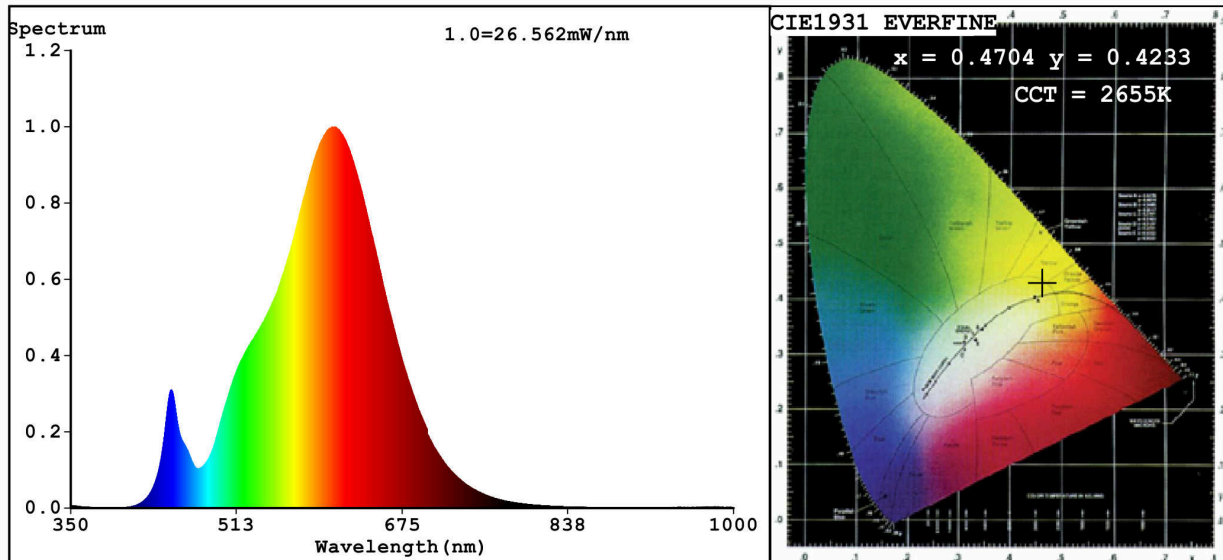
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	15	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 300 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	3 000
On-mode power (P_{on}), expressed in W	16,9	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	Spectral power distribution in the	See image in last page
	Width		
	Depth		

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)	87	
		Chromaticity coordinates (x and y)	0,384 0,385	
Parameters for directional light sources:				
Peak luminous intensity (cd)	606	Beam angle in degrees, or the range of beam angles that can be set	38	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	2	Survival factor	0,50	
the lumen maintenance factor	0,93			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,70	Colour consistency in McAdam ellipses	6	
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)	80	
Flicker metric (Pst LM)	1,0	Stroboscopic effect metric (SVM)	0,4	

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4704$ $y=0.4233$ $u'=0.2636$ $v'=0.5336$
 CCT=2655K (Duv=0.0038) Dominant WL:Ld =583.3nm WL:Lc = --nm Purity=68.3%
 Ratio:R=25.2% G=73.1% B=1.7% ; Peak WL:Lp=606.1nm FWHM=123.6nm
 Render Index:Ra=82.2 AvgR=76.2 TM30:Rf=85 Rg=94 Lav=599.9nm

R1 =80	R2 =89	R3 =98	R4 =81	R5 =79	R6 =87	R7 =84
R8 =59	R9 =9	R10=76	R11=80	R12=69	R13=81	R14=99
						R15=72

Photo Parameters:

Flux = 1227 lm Eff. : 72.33 lm/W Fe = 3.820 W

Electrical parameters:

V = 225.10 V I = 0.2301 A P = 16.96 W PF = 0.3275

WHITE:ANSI_2700K

Status: Integral T = 28 ms Ip = 36234 (55%)

Model:LED LAMP
 Tester:Atanas DAKOV
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED936WW
 Date:2021-11-08 10:30:58
 Humidity:65.0%
 Remarks: