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: 99LED936CW

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

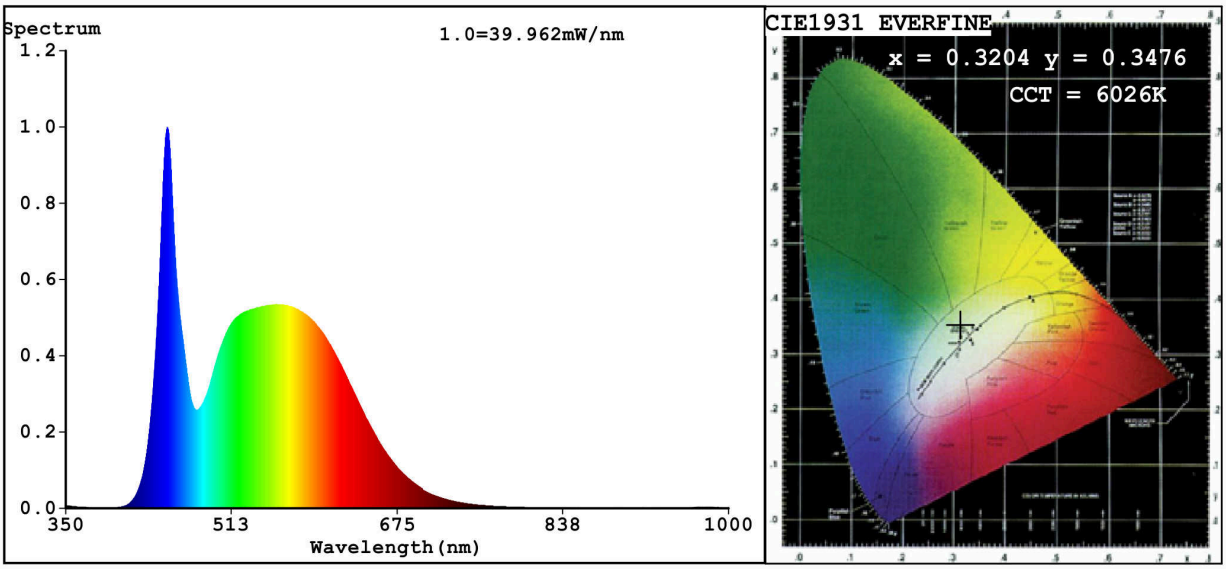
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	15	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	1 350 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	6 500
On-mode power (P_{on}), expressed in W	15,0	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	81
Outer dimensions without — Height	95	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	95		
Outer dimensions without — Depth	93		

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)		449	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 ϕ1)		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=0.3204 y=0.3476/u'=0.1963 v'=0.4791

CCT=6026K(Duv=0.0088) Dominant WL:Ld =507.0nm WL:Lc = --nm Purity=3.9%

Ratio:R=13.4% G=81.4% B=5.3%¡¡Peak WL:Lp=449.6nm FWHM=22.4nm

Render Index:Ra=81.8 AvgR=74.0 TM30:Rf=84 Rg=93 Lav=542.2nm

R1 =78	R2 =86	R3 =92	R4 =82	R5 =80	R6 =82	R7 =88	
R8 =67	R9 =0	R10=68	R11=81	R12=60	R13=80	R14=96	R15=72

Photo Parameters:

Flux = 1395 lm Eff. : 81.51 lm/W Fe = 4.374 W

Electrical parameters:

V = 225.14 V I = 0.2299 A P = 17.11 W PF = 0.3306

WHITE:ANSI_6500K

Status: Integral T = 31 ms Ip = 51667 (79%)

Model:LED LAMP	Number:99LED936CW
Tester:Atanas DAKOV	Date:2021-11-08 10:35:45
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks: