

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: 99LED736CW

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	E27		
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:	No

Product parameters

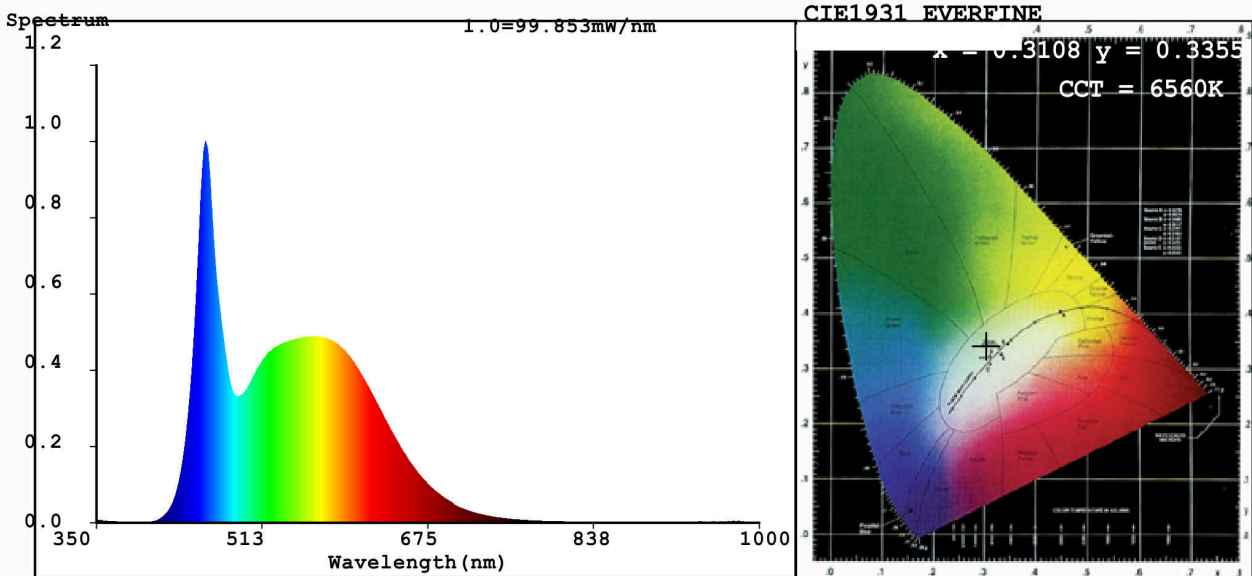
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	30	Energy efficiency class	E
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	3 211 in Sphere (360°)	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	29,0	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	83
Outer dimensions without separate control gear, lighting control	Height	190	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	100	
	Depth	100	
			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)	162
		Chromaticity coordinates (x and y)	0,310 0,335
Parameters for LED and OLED light sources:			
R9 colour rendering index value	8	Survival factor	0,50
the lumen maintenance factor	0,90		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	0,90	Colour consistency in McAdam ellipses	4
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: $x=0.3108$ $y=0.3355$ / $u'=0.1941$ $v'=0.4715$
 CCT=6560K (Duv=0.0075) Dominant WL:Ld =493.0nm WL:Lc = --nm Purity=7.5%
 Ratio:R=13.2% G=80.2% B=6.7% ; Peak WL:Lp=456.8nm FWHM=27.9nm
 Render Index:Ra=83.6

R1 =82	R2 =93	R3 =94	R4 =78	R5 =82	R6 =88	R7 =86	
R8 =67	R9 =8	R10=82	R11=77	R12=59	R13=86	R14=97	R15=76

Photo Parameters:

Flux = 3211 lm Eff. : 109.13 lm/W Fe = 10.44 W

Electrical parameters:

V = 220.00 V I = 0.1368 A P = 29.42 W PF = 0.9776

WHITE:ANSI_6500K

Status: Integral T = 7 ms Ip = 33187 (51%)
 Model:HIGH POWER LED LAMP Number:99LED736CW
 Tester:Atanas DAKOV Date:2020-07-15 11:46:45
 Temperature:25.3Deg Humidity:65.0%
 Manufacturer:ELMARK Remarks:6831