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: 99LED978CW

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:	No		
Anti-glare shield:	No	Dimmable:	Yes

Product parameters

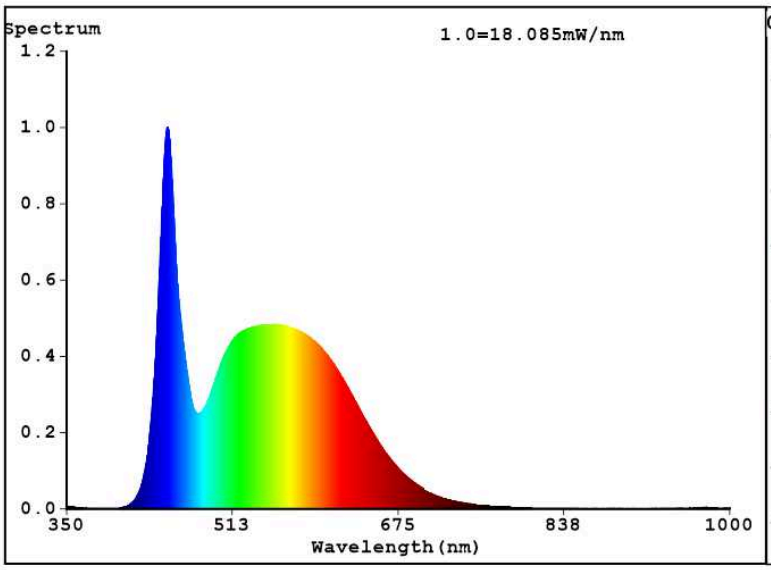
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	6	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	550 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	6 000
On-mode power (P_{on}), expressed in W	5,4	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 — Height	98	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	35		
Outer dimensions without — Depth	35		

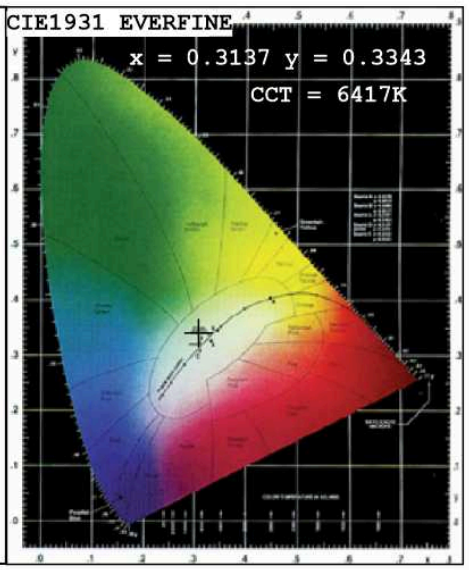
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[a]		Yes	If yes, equivalent power (W)	55
			Chromaticity coordinates (x and y)	0,313 0,334
Parameters for LED and OLED light sources:				
R9 colour rendering index value		12	Survival factor	0,50
the lumen maintenance factor		0,93		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,80	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)	50
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=0.3137 y=0.3343/u'=0.1965 v'=0.4713

CCT=6417K(Duv=0.0054) Dominant WL:Ld =0.0nm WL:Lc = --nm Purity=1.4%

Ratio:R=13.5% G=81.0% B=5.6%¡¡Peak WL:Lp=449.2nm FWHM=22.7nm

Render Index:Ra=83.9

R1 =82	R2 =87	R3 =91	R4 =84	R5 =83	R6 =83	R7 =89	
R8 =72	R9 =12	R10=70	R11=84	R12=61	R13=83	R14=95	R15=77

Photo Parameters:

Flux = 573.2 lm Eff. : 104.68 lm/W Fe = 1.860 W

Electrical parameters:

V = 221.44 V I = 0.02764 A P = 5.476 W PF = 0.8948

WHITE:ANSI_6500K

Status: Integral T = 56 ms Ip = 45582 (70%)

Model:LED SMD	Number:99LED978CW
Tester:Atanas DAKOV	Date:2020-06-30 13:46:07
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:6876