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: 99LED778

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
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

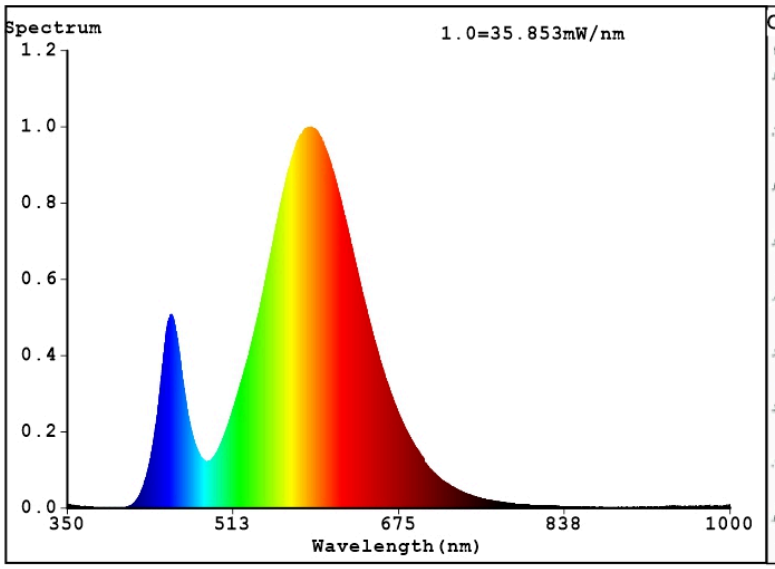
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	24	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	1 700 in Wide cone (120°)	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	24,6	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	67
Outer dimensions without — Height	81	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	185		
Outer dimensions without — Depth	81		

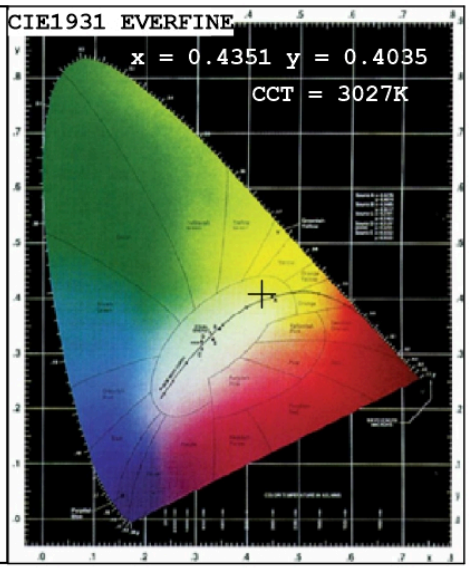
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[a]		Yes	If yes, equivalent power (W)	120
			Chromaticity coordinates (x and y)	0,435 0,249
Parameters for LED and OLED light sources:				
R9 colour rendering index value		0	Survival factor	0,50
the lumen maintenance factor		0,95		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,50	Colour consistency in McAdam ellipses	5
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)	1 000
Flicker metric (Pst LM)		0,6	Stroboscopic effect metric (SVM)	0,2

[a] '-' : not applicable;

[b] '-' : not applicable;

Spectrum Test Report





Color Parameters:

Chromaticity Coordinate:x=0.4351 y=0.4035/u'=0.2496 v'=0.5209

CCT=3027K(Duv=0.0000) Dominant WL:Ld =582.7nm Purity=51.7%

Ratio:R=20.2% G=77.8% B=1.9%¡¡Peak WL:Lp=589.5nm FWHM=108.5nm

Render Index:Ra=67.2

R1 =62	R2 =80	R3 =93	R4 =59	R5 =60	R6 =69	R7 =76	
R8 =39	R9 =0	R10=52	R11=48	R12=40	R13=65	R14=96	R15=56

Photo Parameters:

Flux = 1729 lm Eff. : 70.13 lm/W Fe = 4.933 W

Electrical parameters:

V = 230.01 V I = 0.1891 A P = 24.65 W PF = 0.5668

WHITE:ANSI_3000K

Status: Integral T = 26 ms Ip = 47988 (73%)

Model:LED FLYING SAUCER U95/24W	Number:99LED778
Tester:Petya Marinova	Date:2017-08-10 16:15
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:O17V019A2_3865