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: 99LED606

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	E14		
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

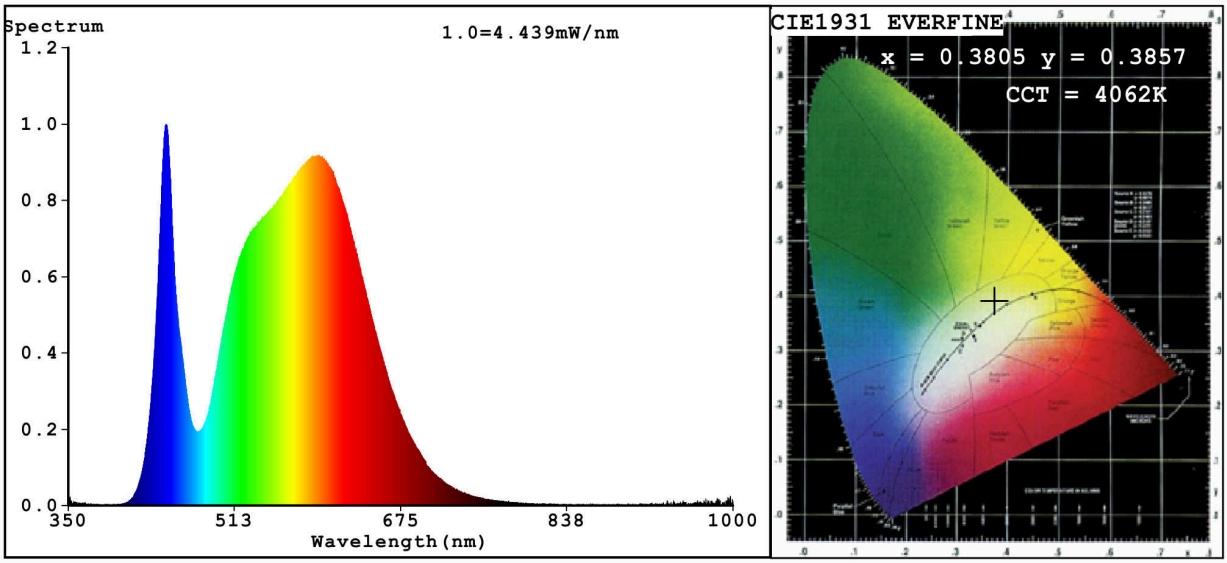
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	3	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	240 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	4 000
On-mode power (P_{on}), expressed in W	2,9	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	80
Outer dimensions without — Height	75	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	50		
Outer dimensions without — Depth	50		

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)	23
			Chromaticity coordinates (x and y)	0,380 0,385
Parameters for directional light sources:				
Peak luminous intensity (cd)		576	Beam angle in degrees, or the range of beam angles that can be set	120
Parameters for LED and OLED light sources:				
R9 colour rendering index value		1	Survival factor	0,40
the lumen maintenance factor		0,93		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,40	Colour consistency in McAdam ellipses	1
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)	20
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=0.3805 y=0.3857/u'=0.2217 v'=0.5055

CCT=4062K(Duv=0.0041) Dominant WL:Ld =576.8nm Purity=29.9%

Ratio:R=17.6% G=79.4% B=3.0%¡¡Peak WL:Lp=445.8nm FWHM=21.0nm

Render Index:Ra=80.3

R1 =78	R2 =84	R3 =90	R4 =82	R5 =78	R6 =79	R7 =86	
R8 =64	R9 =1	R10=64	R11=81	R12=59	R13=79	R14=94	R15=71

Photo Parameters:

Flux = 241.7 lm Eff. : 82.07 lm/W Fe = 719.8 mW

Electrical parameters:

V = 220.13 V I = 0.03086 A P = 2.945 W PF = 0.4335

WHITE:ANSI_4000K

Status: Integral T = 138 ms Ip = 45562 (70%)

Model:LEDSMD PAR16/3W	Number:99LED606
Tester:Petya Marinova	Date:2015-06-03 09:02
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:27Q39115015