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: 99LED562

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	GU5.3		
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

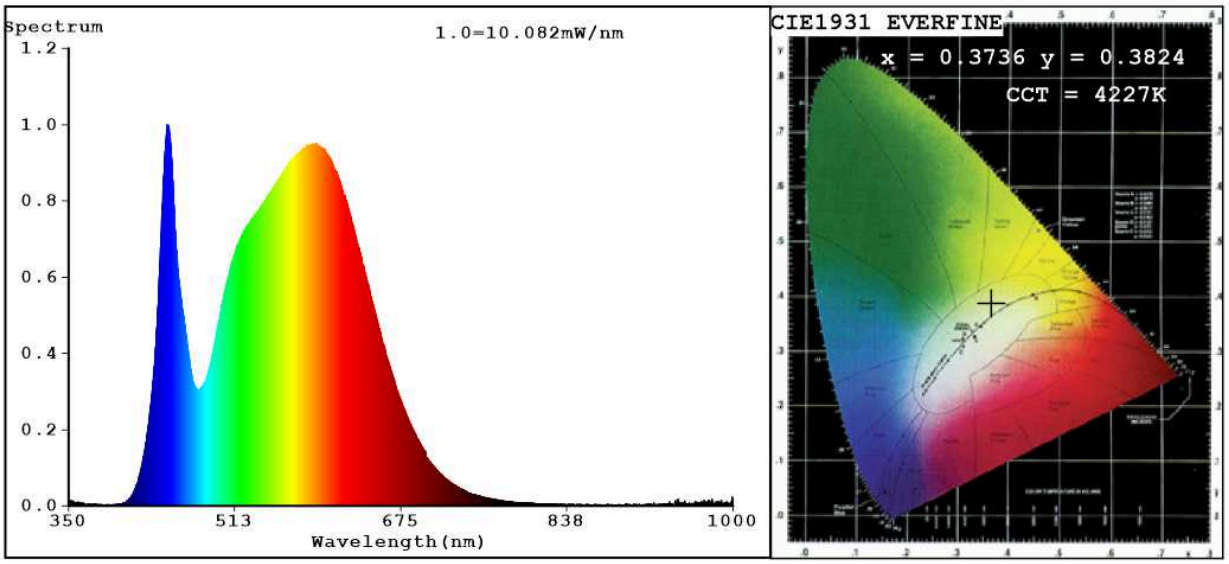
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	7	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	580 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	7,3	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	82
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)	57
			Chromaticity coordinates (x and y)	0,373 0,382
Parameters for directional light sources:				
Peak luminous intensity (cd)		446	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		8	Survival factor	0,50
the lumen maintenance factor		0,93		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		1,00	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)		0,6	Stroboscopic effect metric (SVM)	0,3

[a] '-' : not applicable;

[b] '-' : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.3736 y=0.3824/u'=0.2185 v'=0.5030

CCT=4227K(Duv=0.0047) Dominant WL:Ld =575.6nm Purity=26.9%

Ratio:R=17.2% G=79.1% B=3.6%¡¡Peak WL:Lp=446.5nm FWHM=25.7nm

Render Index:Ra=82.5

R1 =80	R2 =87	R3 =93	R4 =83	R5 =80	R6 =83	R7 =88	
R8 =66	R9 =8	R10=70	R11=81	R12=63	R13=81	R14=96	R15=74

Photo Parameters:

Flux = 583.0 lm Eff. : 79.30 lm/W Fe = 1.776 W

Electrical parameters:

V = 12.080 V I = 0.6086 A P = 7.352 W PF = 1.000

WHITE:ANSI_4000K

Status: Integral T = 51 ms Ip = 43113 (66%)

Model:LED COB/7W	Number:99LED562
Tester:Petya Marinova	Date:2015-02-02 14:53
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:Everfine	Remarks:O14C068B-1-2