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: 99LED617DE

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
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:	Yes

Product parameters

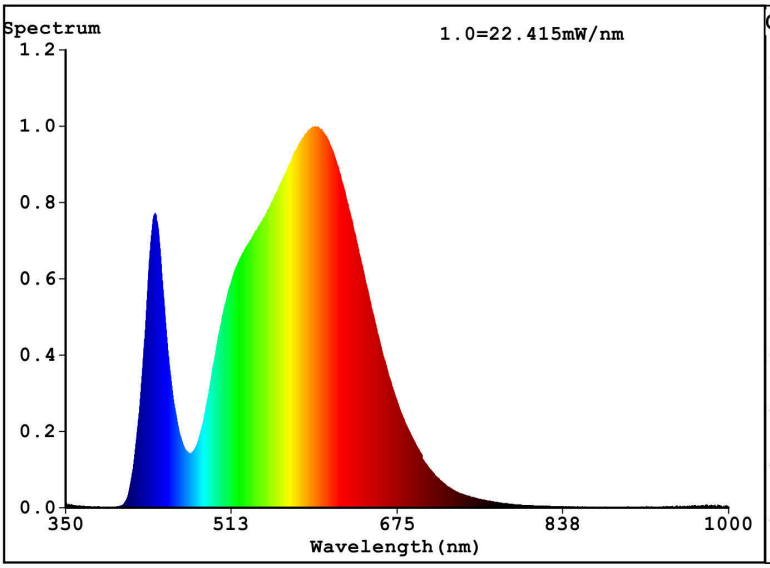
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	21	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	1 300 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	19,6	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	79
Outer dimensions without — Height	225	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	255		
Outer dimensions without — Depth	21		

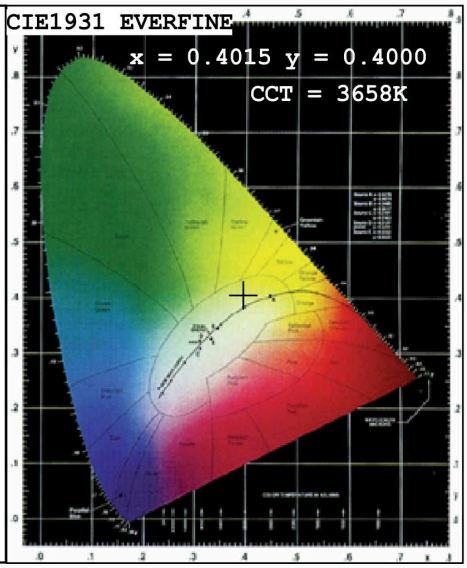
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[a]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,401 0,400
Parameters for directional light sources:				
Peak luminous intensity (cd)		593	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		0	Survival factor	0,50
the lumen maintenance factor		0,93		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,90	Colour consistency in McAdam ellipses	5
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=0.4015 y=0.4000/u'=0.2295 v'=0.5145

CCT=3658K(Duv=0.0049) Dominant WL:Ld =578.3nm Purity=40.6%

Ratio:R=18.8% G=78.7% B=2.5%¡¡Peak WL:Lp=593.8nm FWHM=148.7nm

Render Index:Ra=79.2

R1 =77	R2 =83	R3 =91	R4 =81	R5 =77	R6 =79	R7 =84	
R8 =61	R9 =0	R10=63	R11=81	R12=64	R13=77	R14=95	R15=69

Photo Parameters:

Flux = 1265 lm Eff. : 64.57 lm/W Fe = 3.764 W

Electrical parameters:

V = 219.96 V I = 0.09597 A P = 19.60 W PF = 0.9283

WHITE:ANSI_3500K

Status: Integral T = 24 ms Ip = 34251 (52%)

Model:LED PANEL ROUND/18W	Number:99LED617D
Tester:Petya Marinova	Date:2019-01-25 14:33
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:O18V008A_4902