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: 99LED627

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:	Yes		
Anti-glare shield:	No	Dimmable:	No

Product parameters

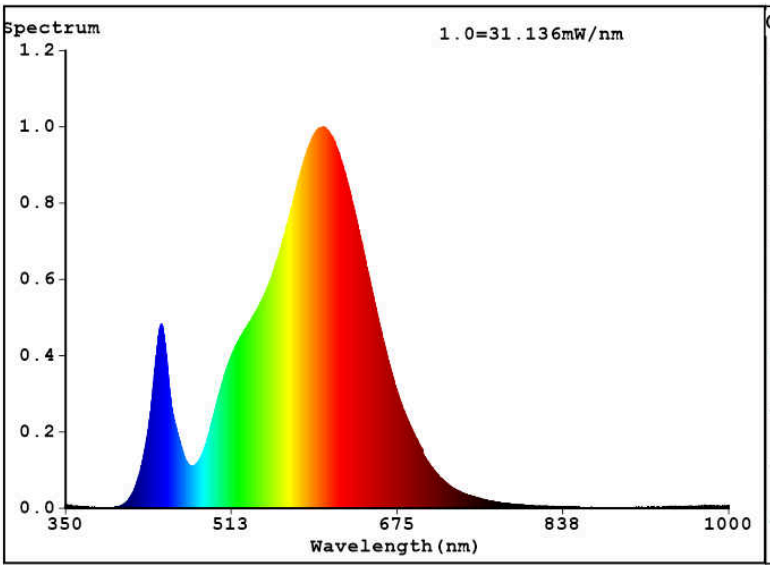
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	21	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	1 500 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	22,0	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 separate control gear, lighting control — Height	220	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Width	220		
Depth	38		

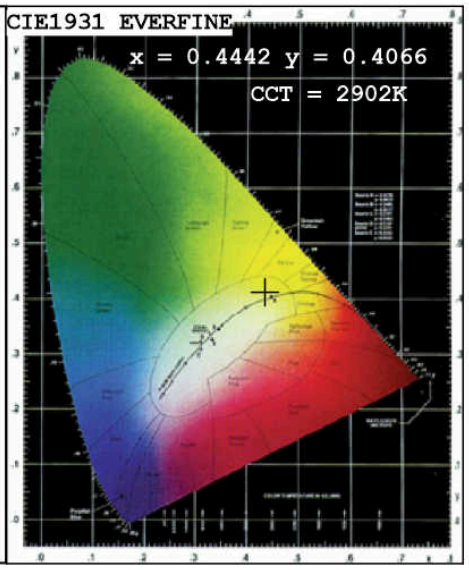
parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,444 0,406
Parameters for directional light sources:				
Peak luminous intensity (cd)		431	Beam angle in degrees, or the range of beam angles that can be set	110
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.		-[(b)]	If yes then replacement claim (W)	-
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=0.4442 y=0.4066/u'=0.2541 v'=0.5235

CCT=2902K(Duv=0.0001) Dominant WL:Ld =583.2nm Purity=55.4%

Ratio:R=23.1% G=74.9% B=2.0%¡¡Peak WL:Lp=602.8nm FWHM=122.8nm

Render Index:Ra=80.0

R1 =78	R2 =87	R3 =96	R4 =79	R5 =78	R6 =85	R7 =82	
R8 =55	R9 =0	R10=72	R11=78	R12=70	R13=79	R14=98	R15=70

Photo Parameters:

Flux = 1494 lm Eff. : 66.22 lm/W Fe = 4.522 W

Electrical parameters:

V = 219.99 V I = 0.2019 A P = 22.56 W PF = 0.5079

WHITE:ANSI_3000K

Status: Integral T = 22 ms Ip = 47091 (72%)

Model:LED PANEL ROUND OM/21W	Number:99LED627
Tester:Petya Marinova	Date:2016-10-04 11:23
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:O16V006A_2881