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: 99LED637T

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

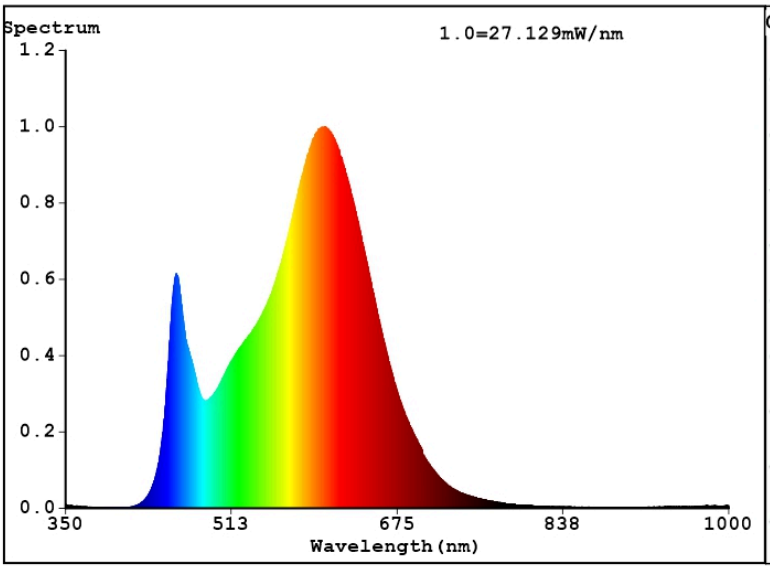
Parameter		Value	Parameter	Value
General product parameters:				
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer		18	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)		1 000 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		18,0	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	83
Outer dimensions without separate control gear, lighting control	Height	225	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width	225		
	Depth	21		

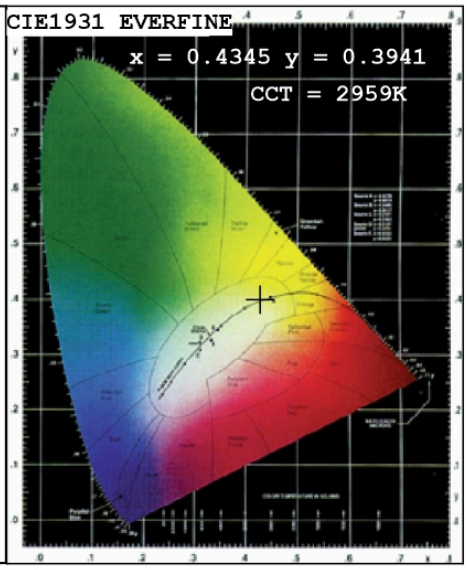
parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,434 0,394
Parameters for directional light sources:				
Peak luminous intensity (cd)		323	Beam angle in degrees, or the range of beam angles that can be set	110
Parameters for LED and OLED light sources:				
R9 colour rendering index value		13	Survival factor	0,50
the lumen maintenance factor		0,93		
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=0.4345 y=0.3941/u'=0.2533 v'=0.5170

CCT=2959K(Duv=-0.0037) Dominant WL:Ld =584.4nm Purity=48.7%

Ratio:R=23.7% G=72.9% B=3.4%¡¡Peak WL:Lp=604.2nm FWHM=115.5nm

Render Index:Ra=83.1

R1 =84	R2 =97	R3 =89	R4 =79	R5 =85	R6 =94	R7 =78	
R8 =58	R9 =13	R10=93	R11=79	R12=77	R13=88	R14=95	R15=77

Photo Parameters:

Flux = 1278 lm Eff. : 69.56 lm/W Fe = 4.006 W

Electrical parameters:

V = 220.12 V I = 0.1629 A P = 18.38 W PF = 0.5125

WHITE:ANSI_3000K

Status: Integral T = 26 ms Ip = 48486 (74%)

Model:LED PANEL SQUARE OM/18W	Number:99LED637T
Tester:Petya Marinova	Date:2016-04-18 10:54
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:O15V041A_1_02 2706