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: 99LED633T

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

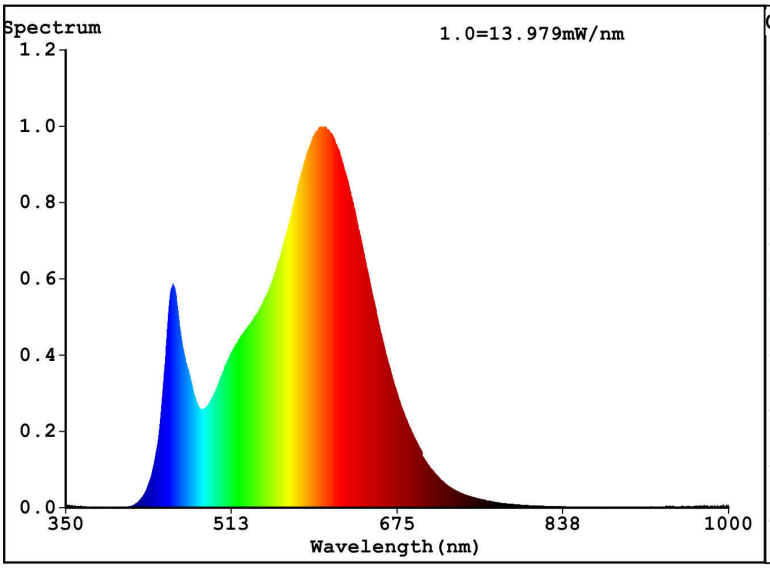
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	9	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	700 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	9,5	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	148	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Width	130		
Depth	21		

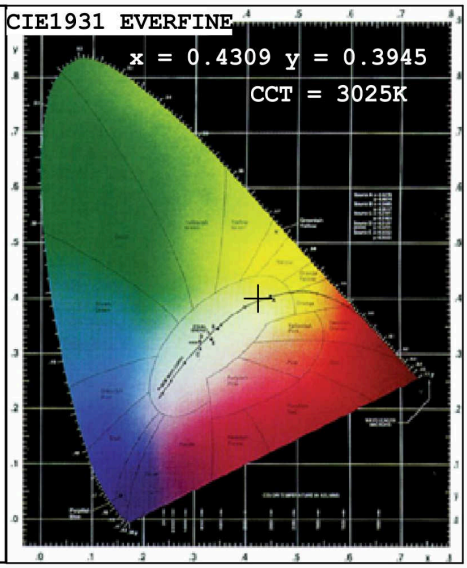
parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,430 0,394
Parameters for directional light sources:				
Peak luminous intensity (cd)		198	Beam angle in degrees, or the range of beam angles that can be set	110
Parameters for LED and OLED light sources:				
R9 colour rendering index value		10	Survival factor	0,50
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	6
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=0.4309 y=0.3945/u'=0.2508 v'=0.5167

CCT=3025K(Duv=-0.0030) Dominant WL:Ld =583.9nm Purity=47.7%

Ratio:R=23.1% G=73.8% B=3.1%¡¡Peak WL:Lp=600.8nm FWHM=120.5nm

Render Index:Ra=83.1

R1 =83	R2 =95	R3 =92	R4 =80	R5 =84	R6 =93	R7 =80	
R8 =58	R9 =10	R10=88	R11=79	R12=76	R13=86	R14=96	R15=76

Photo Parameters:

Flux = 672.5 lm Eff. : 70.22 lm/W Fe = 2.078 W

Electrical parameters:

V = 220.06 V I = 0.09210 A P = 9.577 W PF = 0.4725

WHITE:ANSI_3000K

Status: Integral T = 55 ms Ip = 52851 (81%)

Model:LED PANEL SQUARE/9W	Number:99LED633T
Tester:Petya Marinova	Date:2016-03-30 11:09
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:O15V041A_1_02 2706