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: 99LED633

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

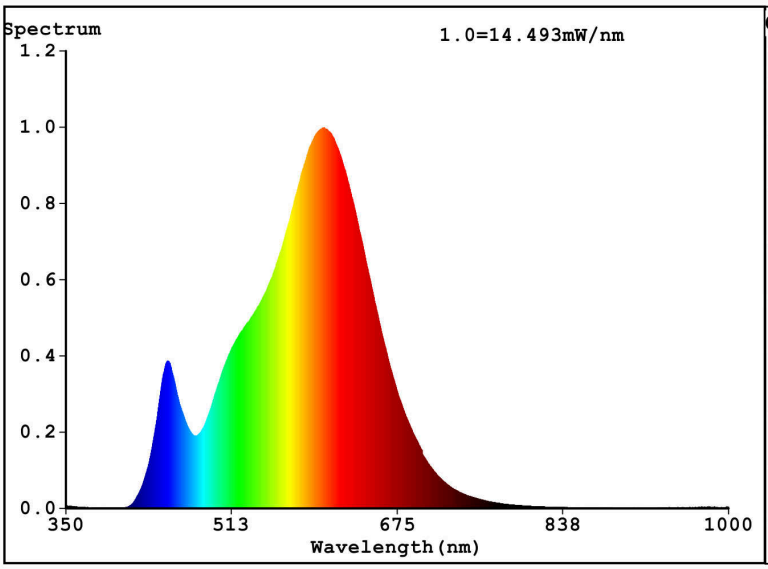
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	12	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	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	14,8	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 separate control gear, lighting control — Height	218	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Width	200		
Depth	21		

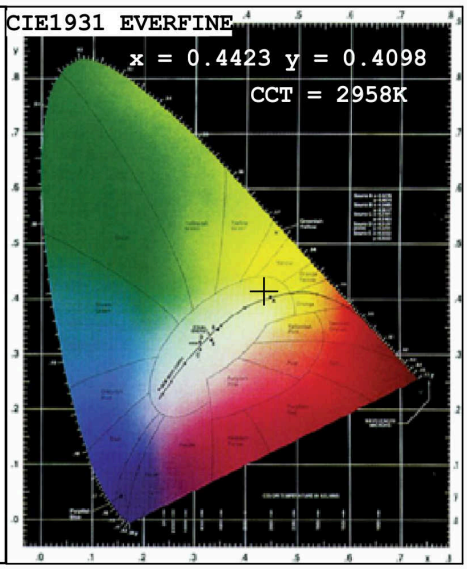
parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,442 0,409
Parameters for directional light sources:				
Peak luminous intensity (cd)		240	Beam angle in degrees, or the range of beam angles that can be set	110
Parameters for LED and OLED light sources:				
R9 colour rendering index value		5	Survival factor	0,50
the lumen maintenance factor		0,93		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,30	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=0.4423 y=0.4098/u'=0.2516 v'=0.5244

CCT=2958K(Duv=0.0015) Dominant WL:Ld =582.5nm WL:Lc = --nm Purity=55.8%

Ratio:R=23.0% G=74.4% B=2.5%¡¡Peak WL:Lp=603.4nm FWHM=125.5nm

Render Index:Ra=82.5 AvgR=76.9 TM30:Rf=85 Rg=95 Lav=590.1nm

R1 =81	R2 =91	R3 =96	R4 =81	R5 =81	R6 =89	R7 =83	
R8 =58	R9 =5	R10=80	R11=80	R12=75	R13=83	R14=99	R15=72

Photo Parameters:

Flux = 701.6 lm Eff. : 47.13 lm/W Fe = 2.123 W

Electrical parameters:

V = 225.21 V I = 0.1983 A P = 14.89 W PF = 0.3334

WHITE:ANSI_3000K

Status: Integral T = 73 ms Ip = 51611 (79%)

Model:LED PANEL SQUARE	Number:99LED633
Tester:Atanas DAKOV	Date:2021-11-04 12:58:37
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks: