

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: 99LED635T

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

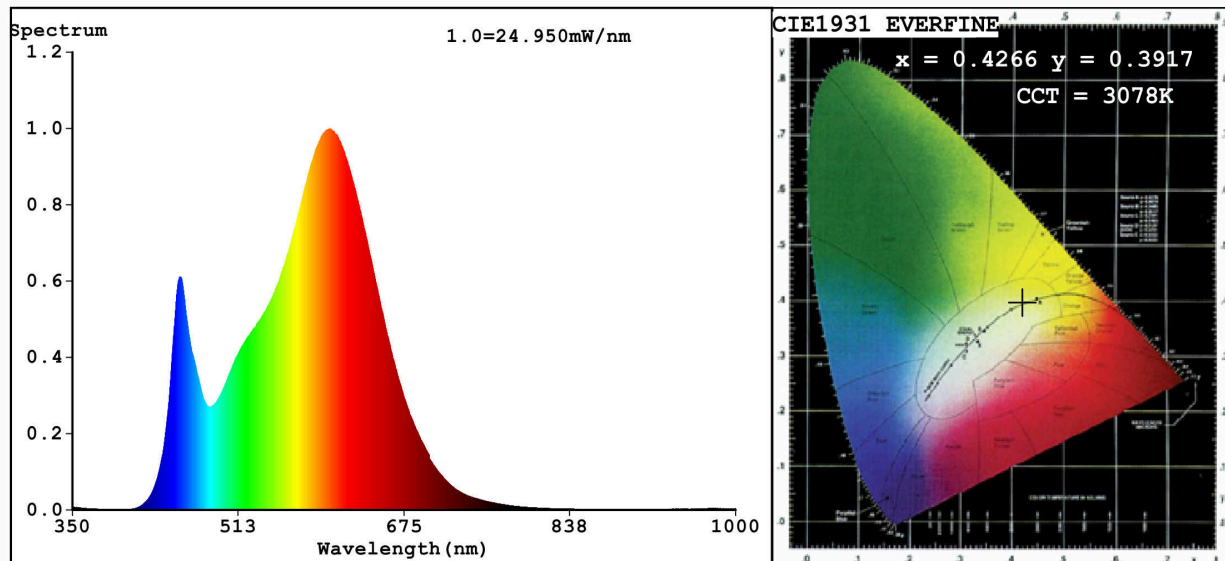
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 200 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	20,6	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	83
Outer dimensions without separate control gear, lighting control	Height	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width		
	Depth		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,426 0,391	
Parameters for directional light sources:				
Peak luminous intensity (cd)	333	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	11	Survival factor	0,50	
the lumen maintenance factor	0,93			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,36	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: $x=0.4266$ $y=0.3917$ $u'=0.2492$ $v'=0.5149$
 CCT=3078K (Duv=-0.0036) Dominant WL:Ld =583.9nm WL:Lc = --nm Purity=45.6%
 Ratio:R=22.8% G=73.9% B=3.3%; Peak WL:Lp=601.5nm FWHM=121.8nm
 Render Index:Ra=83.2 AvgR=78.6 TM30:Rf=84 Rg=95 Lav=586.8nm

R1 =83	R2 =95	R3 =92	R4 =80	R5 =84	R6 =93	R7 =80
R8 =59	R9 =11	R10=88	R11=79	R12=76	R13=87	R14=96 R15=76

Photo Parameters:

Flux = 1207 lm Eff. : 58.40 lm/W Fe = 3.742 W

Electrical parameters:

V = 225.16 V I = 0.2506 A P = 20.67 W PF = 0.3663
 WHITE:ANSI_3000K

Status: Integral T = 36 ms Ip = 43821 (67%)

Model:LED PANEL SQUARE
 Tester:Atanas DAKOV
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED635T
 Date:2021-11-04 13:02:30
 Humidity:65.0%
 Remarks: