

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: 99LED731

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	GU10		
Mains or non-mains:	MLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	Yes

Product parameters

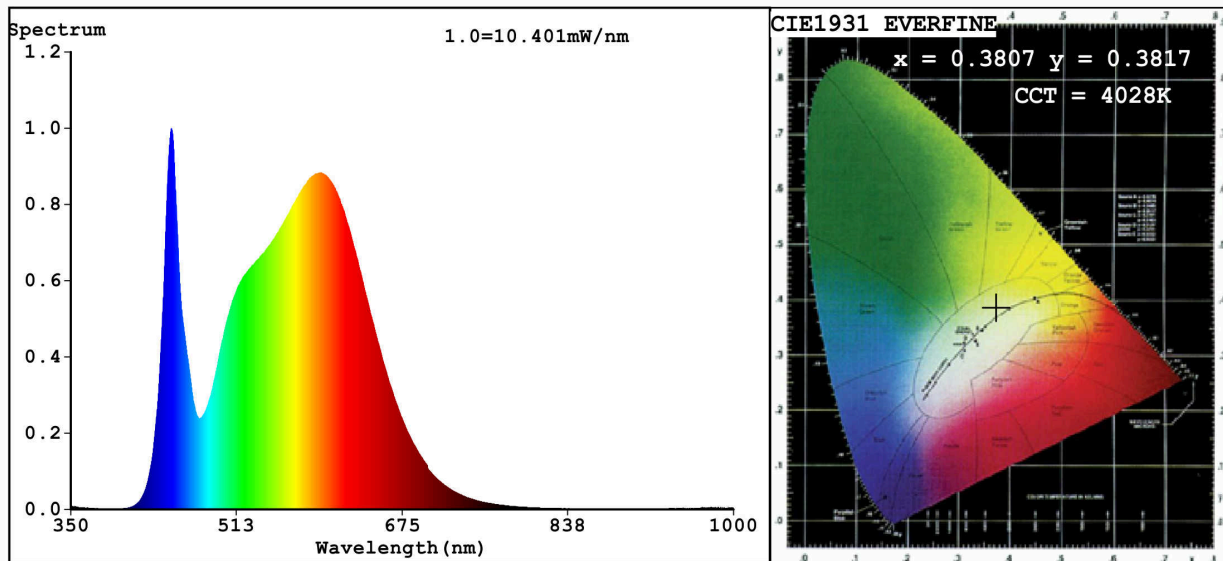
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	6	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	540 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	4 000
On-mode power (P_{on}), expressed in W	6,5	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	Height	Spectral power distribution in the	See image in last page
	Width		
	Depth		

separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,380 0,381	
Parameters for directional light sources:				
Peak luminous intensity (cd)	280	Beam angle in degrees, or the range of beam angles that can be set	120	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	8	Survival factor	0,90	
the lumen maintenance factor	0,93			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,20	Colour consistency in McAdam ellipses	5	
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	Yes ^(b)	If yes then replacement claim (W)	11	
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: $x=0.3807$ $y=0.3817$ $u'=0.2233$ $v'=0.5038$
CCT=4028K (Duv=0.0022) Dominant WL: $\lambda_d = 577.8\text{nm}$ WL: $\lambda_c = \text{--nm}$ Purity=28.8%
Ratio: R=18.1% G=78.3% B=3.5% ; Peak WL: $\lambda_p = 448.6\text{nm}$ FWHM=20.0nm
Render Index: Ra=83.2

R1 =81	R2 =88	R3 =95	R4 =83	R5 =82	R6 =85	R7 =87
R8 =65	R9 =8	R10=73	R11=83	R12=63	R13=83	R14=97 R15=75

Photo Parameters:

Flux = 535.5 lm Eff. : 63.87 lm/W $\Phi_e = 1.620\text{ W}$

Electrical parameters:

V = 220.01 V I = 0.1897 A P = 8.384 W PF = 0.2009

WHITE: ANSI_4000K

Status: Integral T = 90 ms $I_p = 40633$ (62%)

Model: LED SMD2835 DIMM
Tester: Atanas DAKOV
Temperature: 25.3Deg
Manufacturer: ELMARK

Number: 99LED731
Date: 2021-03-30 16:17:36
Humidity: 65.0%
Remarks: 7377