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: 99LED791

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:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

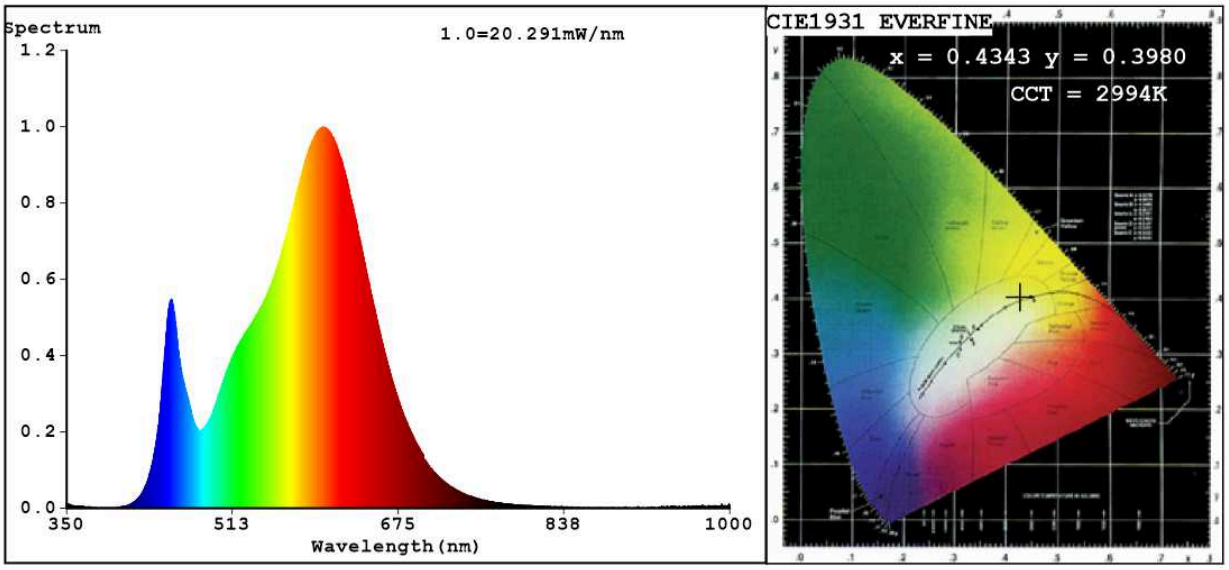
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	9	Energy efficiency class	E
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	970 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	9,8	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	81
Outer dimensions without — Height	25	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	160		
Outer dimensions without — Depth	25		

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]		Yes	If yes, equivalent power (W)	70
			Chromaticity coordinates (x and y)	0,434 0,398
Parameters for directional light sources:				
Peak luminous intensity (cd)		601	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		1	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	0
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)	65
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=0.4343 y=0.3980/u'=0.2515 v'=0.5186

CCT=2994K(Duv=-0.0021) Dominant WL:Ld =583.6nm Purity=49.8%

Ratio:R=22.9% G=74.4% B=2.7%¡¡Peak WL:Lp=601.5nm FWHM=119.2nm

Render Index:Ra=81.3

R1 =80	R2 =92	R3 =94	R4 =78	R5 =80	R6 =90	R7 =80	
R8 =55	R9 =1	R10=81	R11=77	R12=73	R13=83	R14=98	R15=72

Photo Parameters:

Flux = 970.4 lm Eff. : 98.54 lm/W Fe = 2.950 W

Electrical parameters:

V = 229.81 V I = 0.08579 A P = 9.848 W PF = 0.4995

WHITE:ANSI_3000K

Status: Integral T = 39 ms Ip = 49942 (76%)

Model:LED MOULD FOR CELLING LAMP/9W	Number:99LED791
Tester:Petya Marinova	Date:2019-01-17 09:27
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:O18V035-1_5149