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: 99LED793

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

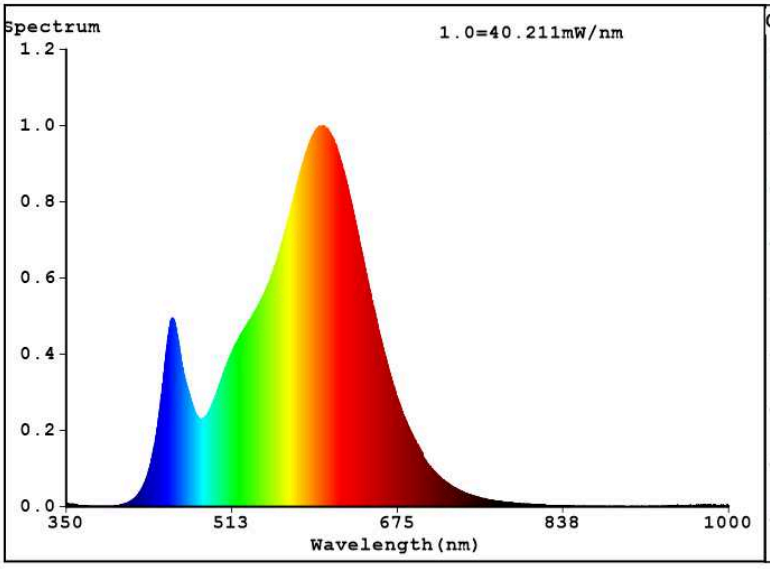
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	22	Energy efficiency class	E
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	2 200 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	22,1	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	270		
Outer dimensions without — Depth	25		

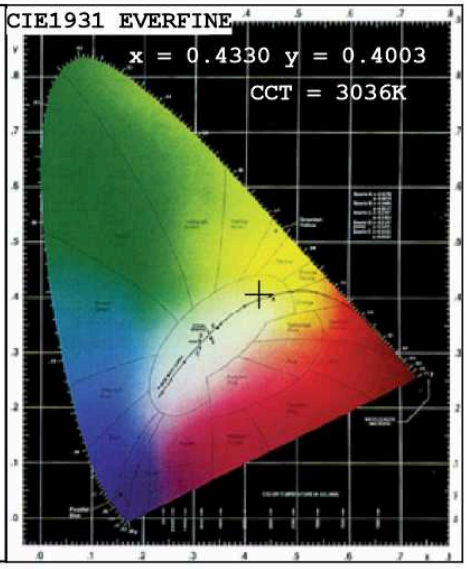
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[a]		Yes	If yes, equivalent power (W)	150
			Chromaticity coordinates (x and y)	0,433 0,400
Parameters for directional light sources:				
Peak luminous intensity (cd)		602	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	0,60
the lumen maintenance factor		0,20		
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)	142
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=0.4330 y=0.4003/u'=0.2497 v'=0.5193

CCT=3036K(Duv=-0.0010) Dominant WL:Ld =583.0nm Purity=50.1%

Ratio:R=22.6% G=74.6% B=2.8%¡¡Peak WL:Lp=602.8nm FWHM=120.9nm

Render Index:Ra=81.4

R1 =80	R2 =92	R3 =94	R4 =78	R5 =80	R6 =90	R7 =81	
R8 =56	R9 =1	R10=81	R11=77	R12=73	R13=83	R14=98	R15=72

Photo Parameters:

Flux = 1948 lm Eff. : 88.03 lm/W Fe = 5.901 W

Electrical parameters:

V = 229.77 V I = 0.1684 A P = 22.13 W PF = 0.5719

WHITE:ANSI_3000K

Status: Integral T = 19 ms Ip = 48224 (74%)

Model:LED MOULD FOR CELLING LAMP/22W Number:99LED793
Tester:Petya Marinova Date:2019-01-17 09:50
Temperature:25.3Deg Humidity:65.0%
Manufacturer:ELMARK Remarks:O18V035-1_5149