

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: 99LED766

Type of light source:

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

Product parameters

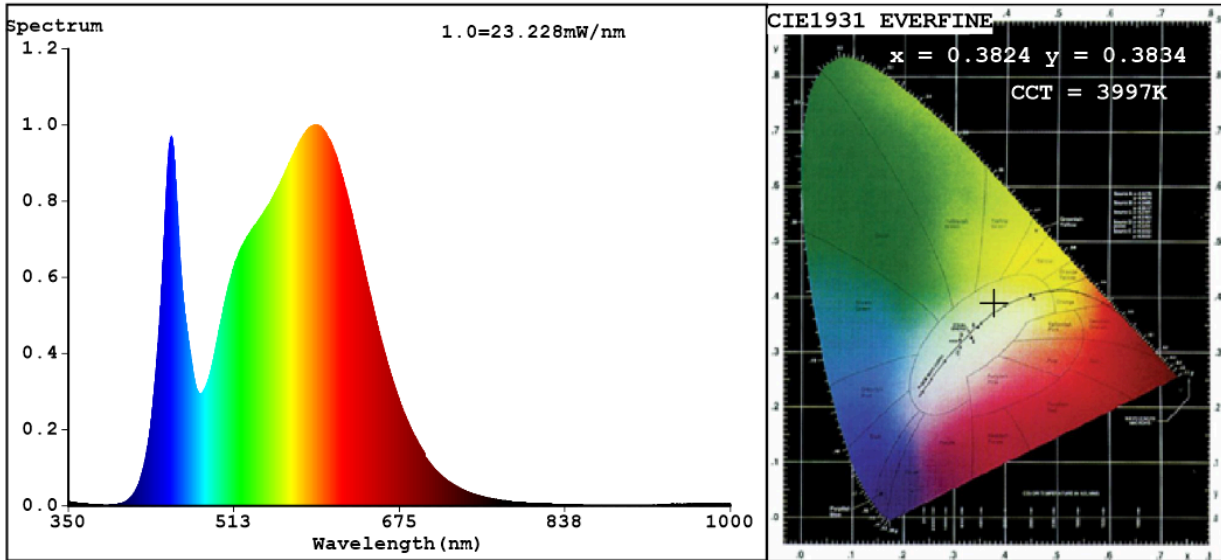
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	9	Energy efficiency class	E
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 000 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	9,0	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	0,20	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	160	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	160	
	Depth	27	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power ^(a)	Yes	If yes, equivalent power (W)	70
		Chromaticity coordinates (x and y)	0,383 0,384
Parameters for LED and OLED light sources:			
R9 colour rendering index value	4	Survival factor	0,50
the lumen maintenance factor	0,93		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	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)	0,4	Stroboscopic effect metric (SVM)	0,2

(a)-: not applicable;

(b)-: not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3824$ $y=0.3834$ / $u'=0.2237$ $v'=0.5048$
 CCT=3997K(Duv=0.0025) Dominant WL:Ld =577.8nm WL:Lc = --nm Purity=29.8%
 Ratio:R=18.1% G=78.4% B=3.5%; Peak WL:Lp=591.8nm FWHM=150.0nm
 Render Index:Ra=82.6

R1 =80 R2 =88 R3 =95 R4 =82 R5 =81 R6 =84 R7 =86
 R8 =64 R9 =6 R10=73 R11=81 R12=63 R13=82 R14=97 R15=74

Photo Parameters:

Flux = 1345 lm Eff. : 106.97 lm/W Fe = 4.081 W

Electrical parameters:

V = 229.42 V I = 0.09890 A P = 12.57 W PF = 0.5540

WHITE:ANSI_4000K

Status: Integral T = 42 ms Ip = 48281 (74%)

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

Number:99LED766
 Date:2022-09-13 10:59:05
 Humidity:65.0%
 Remarks:MOSTRA