

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: 99LED816

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	G9		
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

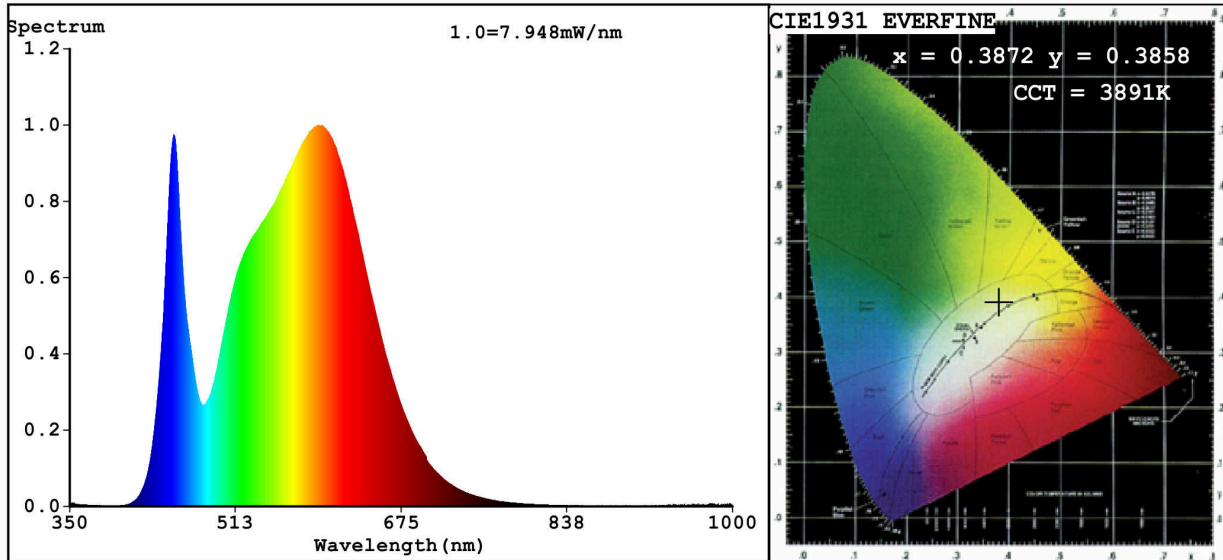
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	4	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	390 in Sphere (360°)	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	3,5	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	82
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)	Yes	If yes, equivalent power (W)	33	
		Chromaticity coordinates (x and y)	0,387 0,385	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	4	Survival factor	0,90	
the lumen maintenance factor	0,93			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,40	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)	8	
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: $x=0.3872$ $y=0.3858/u'=0.2259$ $v'=0.5065$
 CCT=3891K(Duv=0.0023) Dominant WL:Ld =578.4nm WL:Lc = --nm Purity=32.0%
 Ratio:R=18.4% G=78.2% B=3.3%; Peak WL:Lp=594.1nm FWHM=146.3nm
 Render Index:Ra=82.0

R1 =80 R2 =88 R3 =95 R4 =81 R5 =80 R6 =84 R7 =86
 R8 =63 R9 =4 R10=72 R11=80 R12=60 R13=82 R14=97 R15=73

Photo Parameters:

Flux = 453.6 lm Eff. : 115.84 lm/W Fe = 1.360 W

Electrical parameters:

V = 219.94 V I = 0.03622 A P = 3.916 W PF = 0.4916
 WHITE:ANSI_4000K

Status: Integral T = 119 ms Ip = 45008 (69%)

Model:LED LAMPS AND COMPONENTS	Number:99LED816
Tester:Atanas DAKOV	Date:2020-06-08 15:45:07
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:6665