

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: 99LED439

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	E14		
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

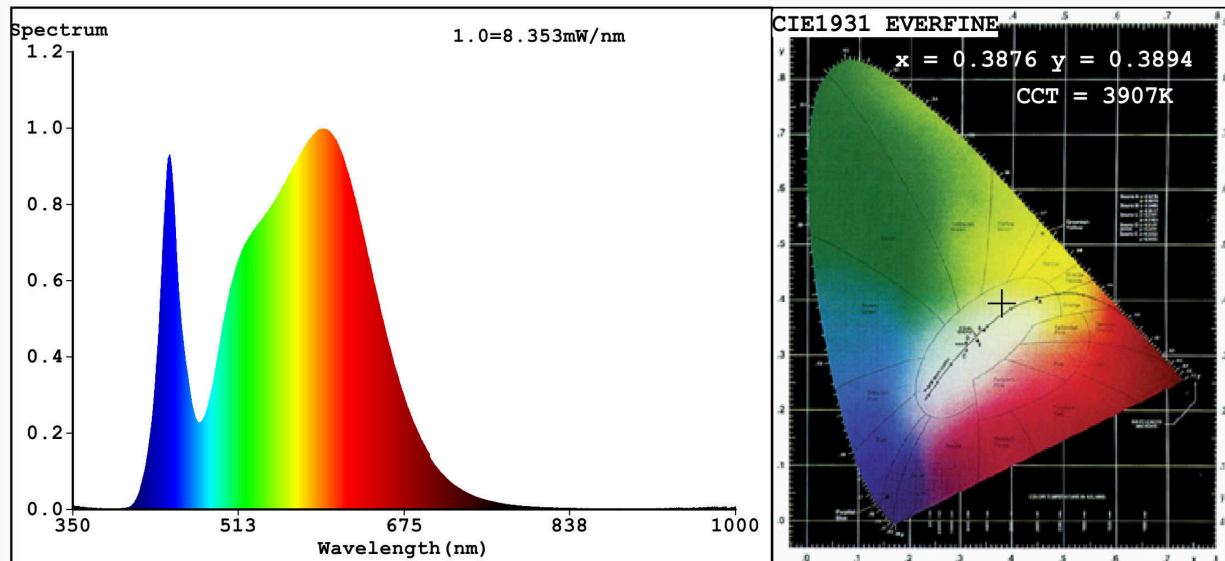
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	5	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	400 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	5,5	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 separate control gear, lighting control	Height	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width		
	Depth		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power ^(a)	Yes	If yes, equivalent power (W)	35	
		Chromaticity coordinates (x and y)	0,387 0,389	
Parameters for directional light sources:				
Peak luminous intensity (cd)	592	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	9	Survival factor	0,90	
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	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)	9	
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: $x=0.3876$ $y=0.3894$ $u'=0.2248$ $v'=0.5081$
 CCT=3907K (Duv=0.0038) Dominant WL: $\lambda_d = 577.6\text{nm}$ WL: $\lambda_c = \text{--nm}$ Purity=33.2%
 Ratio: R=18.4% G=78.4% B=3.2% ; Peak WL: $\lambda_p = 592.5\text{nm}$ FWHM=155.5nm
 Render Index: $R_a = 82.7$

R1 =81	R2 =87	R3 =93	R4 =84	R5 =81	R6 =83	R7 =87
R8 =66	R9 =9	R10=70	R11=84	R12=67	R13=82	R14=96 R15=74

Photo Parameters:

Flux = 489.1 lm Eff. : 89.88 lm/W $\Phi_e = 1.482$ W

Electrical parameters:

V = 219.94 V I = 0.04483 A P = 5.441 W PF = 0.5519

WHITE: ANSI_4000K

Status: Integral T = 112 ms $I_p = 45434$ (69%)

Model: LED R50
 Tester: Atanas DAKOV
 Temperature: 25.3Deg
 Manufacturer: ELMARK

Number: 99LED439
 Date: 2021-01-26 13:13:16
 Humidity: 65.0%
 Remarks: 7084