

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: 99LED440

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
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

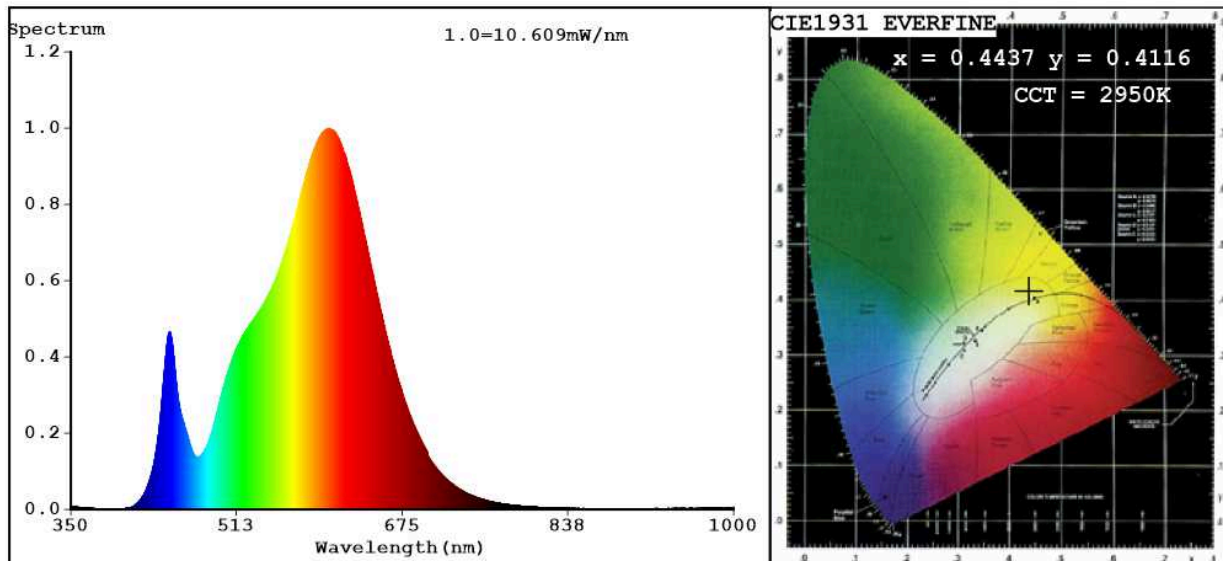
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	6	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	500 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	3 000
On-mode power (P_{on}), expressed in W	7,0	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	-	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	81
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)	50	
		Chromaticity coordinates (x and y)	0,443 0,411	
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 ϕ_1)	0,10	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)	48	
Flicker metric (Pst LM)	0,5	Stroboscopic effect metric (SVM)	0,2	

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4437$ $y=0.4116$ $u'=0.2517$ $v'=0.5253$
 CCT=2950K (Duv=0.0020) Dominant WL: $L_d=582.3\text{nm}$ WL: $L_c = \text{--nm}$ Purity=56.7%
 Ratio: R=22.9% G=74.8% B=2.2% Peak WL: $L_p=603.5\text{nm}$ FWHM=125.8nm
 Render Index: $R_a=81.5$ AvgR=75.4 TM30: $R_f=84$ $R_g=95$ $L_{av}=590.2\text{nm}$

R1 =79 R2 =89 R3 =97 R4 =81 R5 =80 R6 =87 R7 =83
 R8 =57 R9 =1 R10=75 R11=80 R12=71 R13=81 R14=99 R15=71

Photo Parameters:

Flux = 513.8 lm Eff. : 66.20 lm/W $F_e = 1.542$ W

Electrical parameters:

V = 225.17 V I = 0.1927 A P = 7.761 W PF = 0.1788
 WHITE:ANSI_3000K

Status: Integral T = 79 ms $I_p = 37498$ (57%)

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

Number:99LED440
 Date:2021-09-02 09:16:19
 Humidity:65.0%
 Remarks:7807