

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: 99LED354M

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	G13		
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

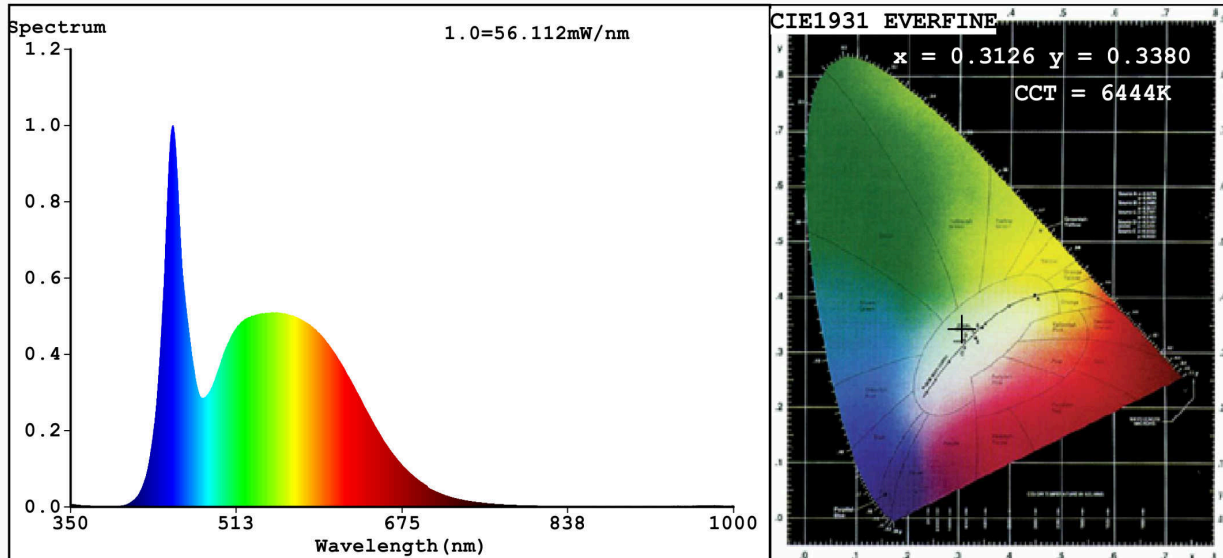
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 850 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	6 400
On-mode power (P_{on}), expressed in W	18,0	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	83
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)	125	
		Chromaticity coordinates (x and y)	0,312 0,338	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	7	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	4	
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)	115	
Flicker metric (Pst LM)	0,0	Stroboscopic effect metric (SVM)	0,0	

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3126$ $y=0.3380$ $u'=0.1945$ $v'=0.4730$
CCT=6444K (Duv=0.0078) Dominant WL: $L_d = 494.6nm$ WL: $L_c = --nm$ Purity=6.7%
Ratio: R=13.2% G=81.1% B=5.7% Peak WL: $L_p = 450.6nm$ FWHM=24.0nm
Render Index: $R_a = 83.5$

R1 =80	R2 =87	R3 =93	R4 =83	R5 =82	R6 =83	R7 =89
R8 =70	R9 =7	R10=71	R11=82	R12=61	R13=82	R14=96 R15=75

Photo Parameters:

Flux = 1871 lm Eff. : 89.76 lm/W $P_e = 6.046 W$

Electrical parameters:

V = 220.01 V I = 0.2112 A P = 20.84 W PF = 0.4485

WHITE: ANSI_6500K

Status: Integral T = 21 ms $I_p = 49890$ (76%)

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

Number: 99LED354M
Date: 2021-03-30 09:17:56
Humidity: 65.0%
Remarks: 7377