

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: 99LED927

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	G5		
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

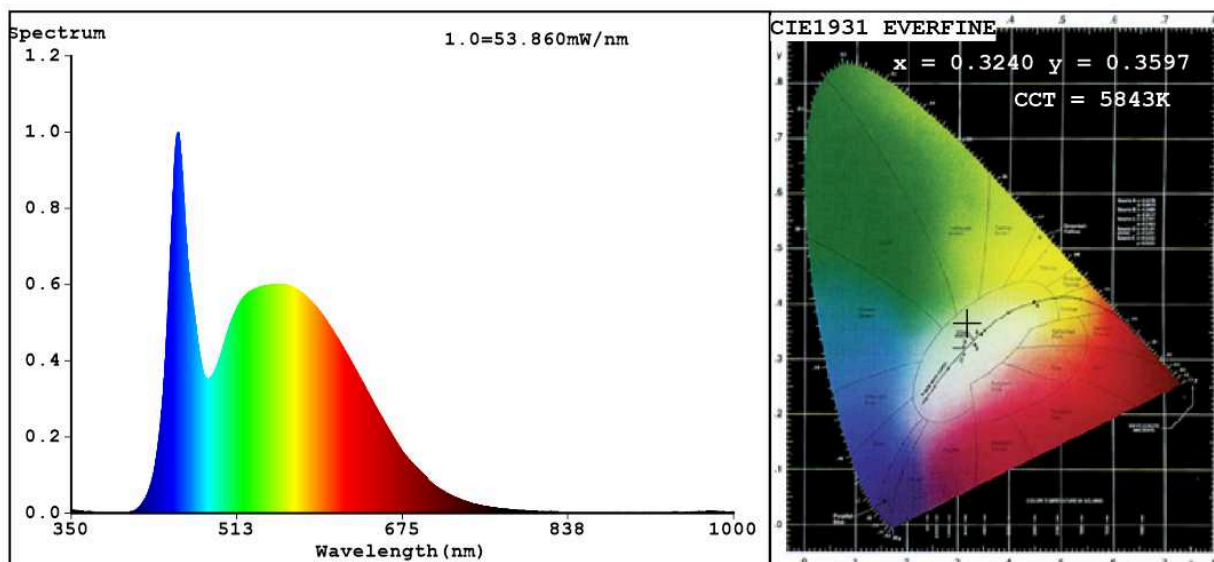
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	20	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	2 100 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	6 000
On-mode power (P_{on}), expressed in W	19,5	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)	130	
		Chromaticity coordinates (x and y)	0,324 0,359	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	6	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)	125	
Flicker metric (Pst LM)	0,6	Stroboscopic effect metric (SVM)	0,4	

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3240$ $y=0.3597$ / $u'=0.1943$ $v'=0.4855$

$CCT=5843K$ ($Duv=0.0129$) Dominant WL: $\lambda_d = 531.8nm$ Purity=5.7%

Ratio: R=13.4% G=80.9% B=5.7%; Peak WL: $\lambda_p = 455.0nm$ FWHM=27.5nm

Render Index: $R_a=82.7$

R1 =79	R2 =88	R3 =95	R4 =78	R5 =79	R6 =85	R7 =88
R8 =68	R9 =6	R10=74	R11=77	R12=57	R13=81	R14=97
						R15=72

Photo Parameters:

Flux = 2107 lm Eff. : 107.85 lm/W Φ_e = 6.684 W

Electrical parameters:

V = 229.83 V I = 0.1437 A P = 19.53 W PF = 0.5916

WHITE:OUT

Status: Integral T = 14 ms I_p = 43189 (66%)

Model: LED TUBE T5/20W
Tester: Petya Marinova
Temperature: 25.3Deg
Manufacturer: ELMARK

Number: 99LED927
Date: 2018-10-11 10:24
Humidity: 65.0%
Remarks: C180717-1A_4972