

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: 99LED853

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	E27		
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

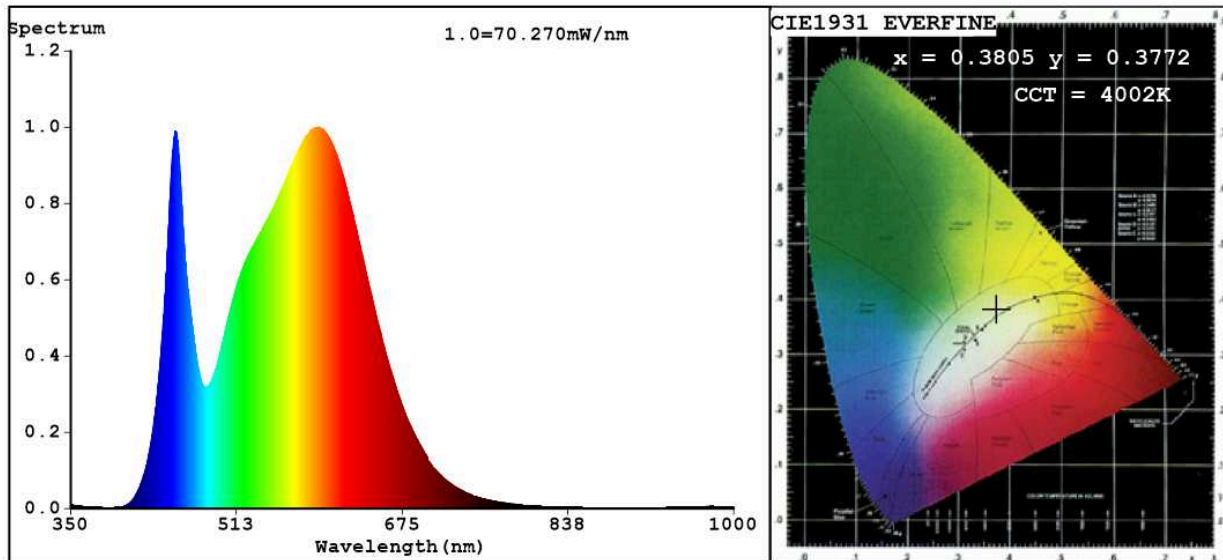
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	40	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	4 000 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	37,7	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)	200	
		Chromaticity coordinates (x and y)	0,380 0,377	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	5	Survival factor	0,50	
the lumen maintenance factor	0,93			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,90	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)	150	
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: $x=0.3805$ $y=0.3772$ $u'=0.2250$ $v'=0.5018$
 CCT=4002K (Duv=0.0002) Dominant WL: $L_d = 579.0\text{nm}$ WL: $L_c = \text{--nm}$ Purity=27.4%
 Ratio: R=18.1% G=78.2% B=3.7% ; Peak WL: $L_p = 592.8\text{nm}$ FWHM=145.4nm
 Render Index: $R_a = 82.2$

R1 =80	R2 =89	R3 =95	R4 =80	R5 =80	R6 =85	R7 =85
R8 =63	R9 =5	R10=74	R11=78	R12=63	R13=82	R14=97 R15=74

Photo Parameters:

Flux = 4012 lm Eff. : 106.22 lm/W $\Phi_e = 12.27\text{ W}$

Electrical parameters:

V = 221.30 V I = 0.1760 A P = 37.77 W PF = 0.9695
 WHITE: ANSI_4000K

Status: Integral T = 12 ms $I_p = 43648$ (67%)

Model: HIGH POWER LED LAMP
 Tester: Atanas DAKOV
 Temperature: 25.3Deg
 Manufacturer: ELMARK

Number: 99LED853
 Date: 2020-07-14 14:03:56
 Humidity: 65.0%
 Remarks: 6831