

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: 99LED873

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	Integrated LED		
Mains or non-mains:	NMLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

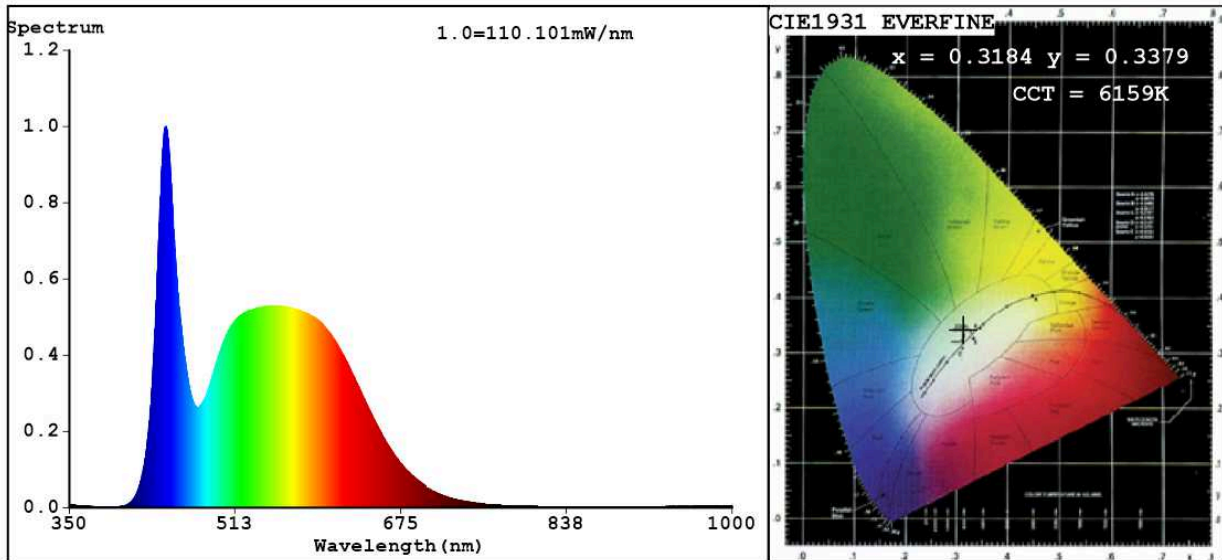
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	9	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	3 000 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	6 000
On-mode power (P_{on}), expressed in W	42,0	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 separate control gear, lighting control	Height	1 000	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	10	
	Depth	3	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,318 0,337
Parameters for directional light sources:			
Peak luminous intensity (cd)	444	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	12	Survival factor	0,50
the lumen maintenance factor	0,93		

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3184$ $y=0.3379$ / $u'=0.1984$ $v'=0.4738$

CCT=6159K (Duv=0.0049) Dominant WL: $\lambda_d = 495.6$ nm Purity=4.8%

Ratio: R=13.8% G=80.8% B=5.3% ; Peak WL: $\lambda_p = 444.8$ nm FWHM=24.2nm

Render Index: Ra=83.8

R1 =82	R2 =86	R3 =90	R4 =85	R5 =84	R6 =83	R7 =88	
R8 =72	R9 =12	R10=68	R11=86	R12=69	R13=83	R14=95	R15=77

Photo Parameters:

Flux = 3854 lm Eff. : 90.70 lm/W $P_e = 12.50$ W

Electrical parameters:

V = 24.159 V I = 1.759 A P = 42.49 W PF = 1.000

WHITE: ANSI_6500K

Status: Integral T = 9 ms $I_p = 53871$ (82%)

Model: LED 600 24V/9.6W/m
Tester: Petya Marinova
Temperature: 25.3Deg
Manufacturer: ELMARK

Number: 99LED873
Date: 2019-01-24 14:08
Humidity: 65.0%
Remarks: 018V034A_5103