

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: 99LED677

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

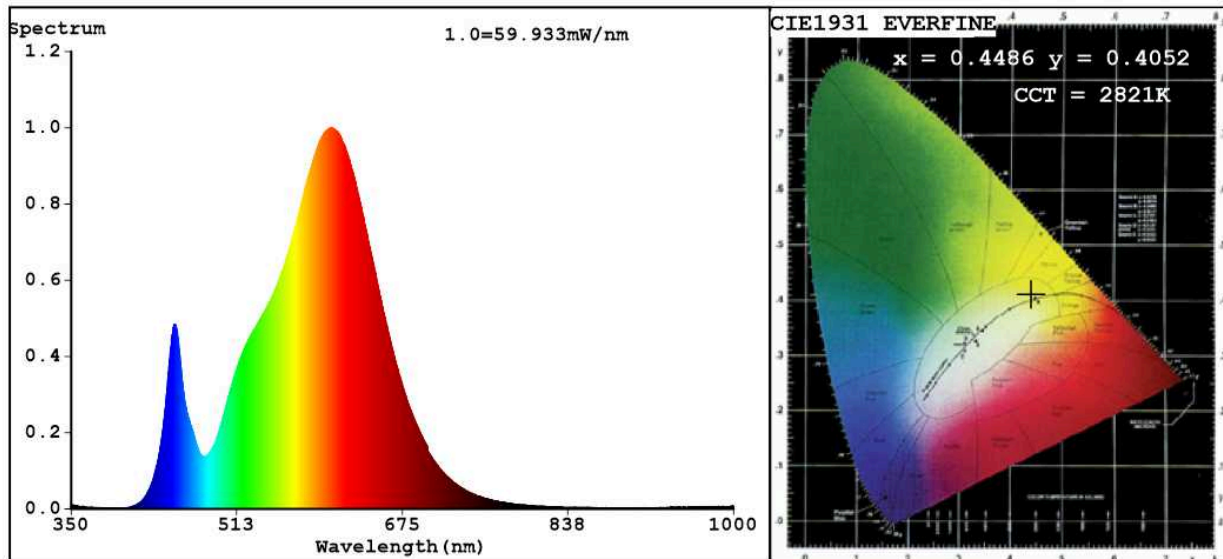
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	14	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	2 450 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	3 000
On-mode power (P_{on}), expressed in W	22,0	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)	-		If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,448 0,405
Parameters for directional light sources:				
Peak luminous intensity (cd)	605		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	0		Survival factor	0,50
the lumen maintenance factor	0,93			

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4486$ $y=0.4052$ $u'=0.2577$ $v'=0.5236$
 CCT=2821K(Duv=-0.0010) Dominant WL:Ld =584.0nm WL:Lc = --nm Purity=56.3%
 Ratio:R=24.1% G=73.8% B=2.1%; Peak WL:Lp=605.1nm FWHM=122.0nm
 Render Index:Ra=81.5

R1 =80	R2 =90	R3 =97	R4 =79	R5 =80	R6 =88	R7 =82
R8 =57	R9 =5	R10=77	R11=78	R12=69	R13=82	R14=99
						R15=73

Photo Parameters:

Flux = 2812 lm Eff. : 126.81 lm/W Fe = 8.634 W

Electrical parameters:

V = 11.046 V I = 2.007 A P = 22.17 W PF = 1.000

WHITE:ANSI_2700K

Status: Integral T = 23 ms Ip = 52335 (80%)

Model:LED LAMPS AND COMPONENTS
 Tester:Atanas DAKOV
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED677
 Date:2020-02-14 15:44:10
 Humidity:65.0%
 Remarks:6475