

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: 99LED881

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):	Yes
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	Yes		
Anti-glare shield:	No	Dimmable:	No

Product parameters

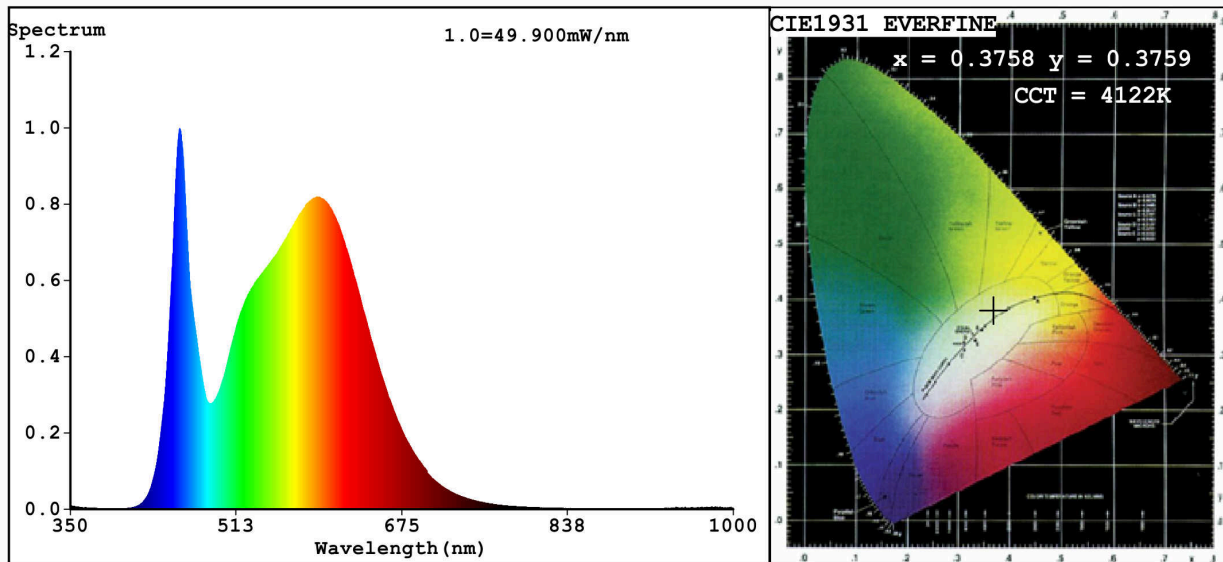
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	20	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	2 000 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	4 000
On-mode power (P_{on}), expressed in W	20,6	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,20
Networked standby power (P_{net}) for CLS, expressed in W and rounded to the second decimal	0,20	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	82
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	2	
			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)	0,375 0,375
Parameters for directional light sources:			
Peak luminous intensity (cd)	668	Beam angle in degrees, or the range of beam angles that can be set	117
Parameters for LED and OLED light sources:			
R9 colour rendering index value	7	Survival factor	0,90
the lumen maintenance factor	0,90		

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3758$ $y=0.3759/u'=0.2224$ $v'=0.5005$
 CCT=4122K (Duv=0.0010) Dominant WL:Ld =578.0nm WL:Lc = --nm Purity=25.6%
 Ratio:R=17.9% G=78.0% B=4.1%; Peak WL:Lp=457.4nm FWHM=23.9nm
 Render Index:Ra=82.6 AvgR=75.8 TM30:Rf=82 Rg=93 Lav=567.8nm

R1 =81 R2 =91 R3 =95 R4 =78 R5 =80 R6 =87 R7 =84
 R8 =63 R9 =7 R10=78 R11=76 R12=57 R13=84 R14=98 R15=75

Photo Parameters:

Flux = 2361 lm Eff. : 114.21 lm/W Fe = 7.177 W

Electrical parameters:

V = 24.159 V I = 0.8557 A P = 20.67 W PF = 1.000

WHITE:OUT

Status: Integral T = 22 ms Ip = 48482 (74%)

Model:LED STRIPS AND PROFILES
 Tester:Atanas DAKOV
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED881
 Date:2021-08-16 08:54:23
 Humidity:65.0%
 Remarks: