

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: 99LED980

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
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

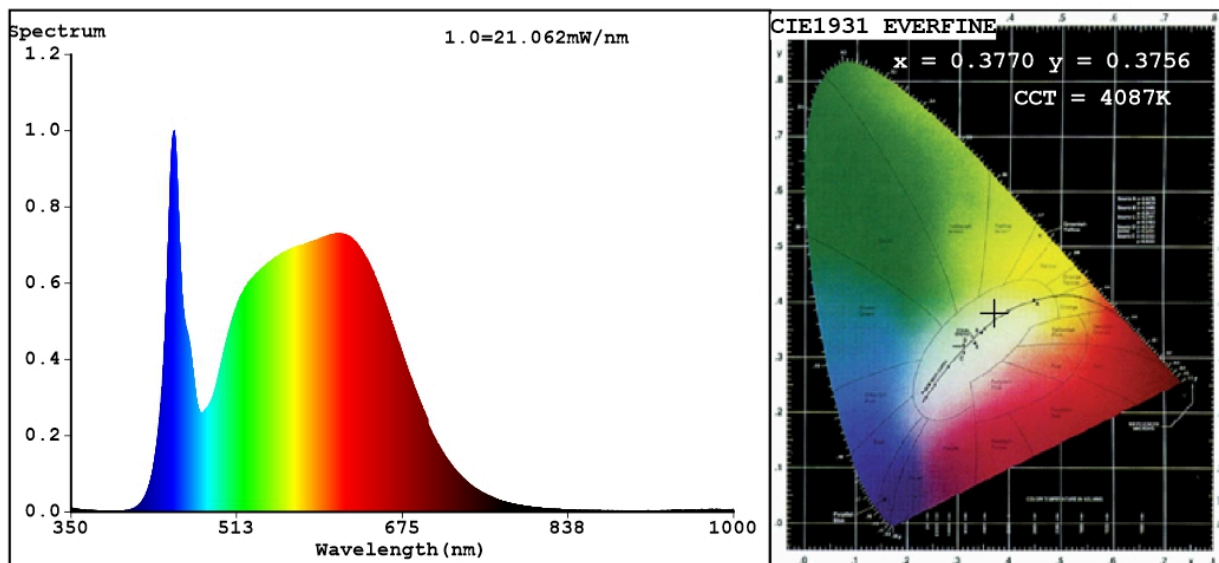
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	10	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 000 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	10,0	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	90
Outer dimensions without separate control gear, lighting control	Height	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width		
	Depth		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,377 0,375	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	63	Survival factor	0,53	
the lumen maintenance factor	0,95			

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3770$ $y=0.3756$ $u'=0.2233$ $v'=0.5005$
 CCT=4087K (Duv=0.0005) Dominant WL: $L_d = 578.5nm$ WL: $L_c = --nm$ Purity=25.8%
 Ratio: R=19.2% G=77.0% B=3.9% Peak WL: $L_p = 451.3nm$ FWHM=18.9nm
 Render Index: $R_a = 91.2$ AvgR=87.3 TM30: $R_f = 90$ $R_g = 100$ $L_{av} = 578.1nm$

R1 =91	R2 =93	R3 =93	R4 =92	R5 =90	R6 =89	R7 =95
R8 =86	R9 =63	R10=82	R11=91	R12=67	R13=92	R14=96 R15=90

Photo Parameters:

Flux = 983.5 lm Eff. : 91.91 lm/W $\Phi_e = 3.362 W$

Electrical parameters:

V = 24.160 V I = 0.4429 A P = 10.70 W PF = 1.000

WHITE: ANSI_4000K

Status: Integral T = 49 ms $I_p = 43110$ (66%)

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

Number: 99LED980
 Date: 2021-11-30 09:11:18
 Humidity: 65.0%
 Remarks: 7806