

# 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:** 99LED980CW

## 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

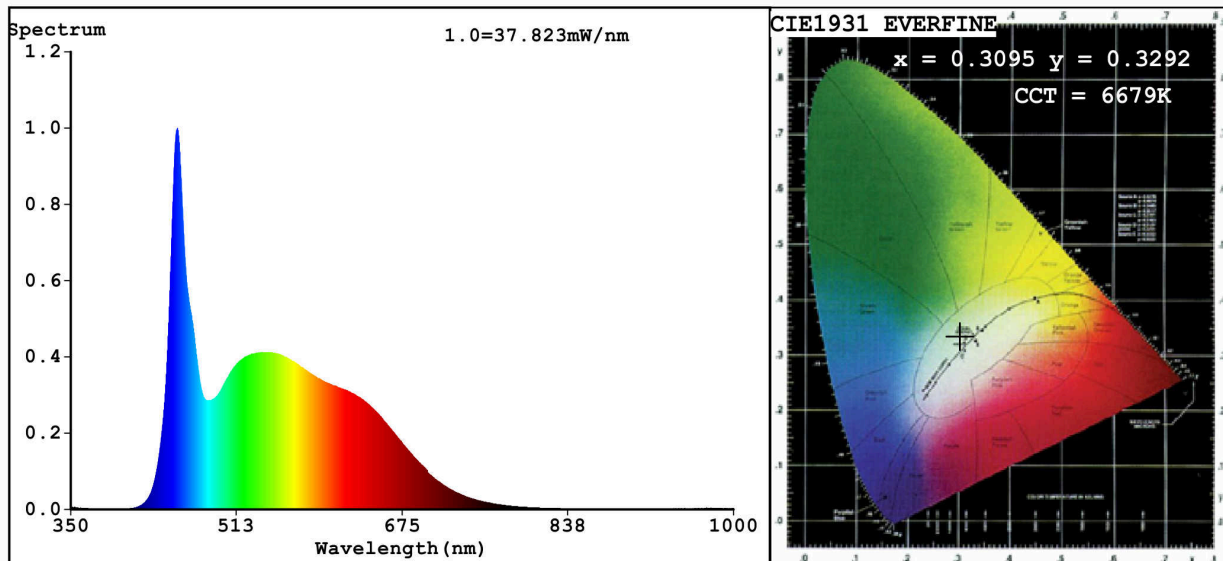
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	10	Energy efficiency class	F
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 000 in 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	6 500
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	91
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 <sup>(a)</sup>	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,309 0,329	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	67	Survival factor	0,50	
the lumen maintenance factor	0,93			

(a) : not applicable;

(b) : not applicable;

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3095$   $y=0.3292$   $u'=0.1955$   $v'=0.4679$   
 CCT=6679K (Duv=0.0049) Dominant WL:  $\lambda_d = 489.4nm$  WL:  $\lambda_c = --nm$  Purity=8.4%  
 Ratio: R=14.4% G=78.8% B=6.8% Peak WL:  $\lambda_p = 454.7nm$  FWHM=22.6nm  
 Render Index:  $R_a=91.5$  AvgR=88.0 TM30:  $R_f=89$   $R_g=96$   $\lambda_{av}=544.8nm$

R1 =92	R2 =96	R3 =96	R4 =88	R5 =89	R6 =91	R7 =93
R8 =87	R9 =67	R10=89	R11=88	R12=61	R13=94	R14=98 R15=90

### Photo Parameters:

Flux = 1026 lm Eff. : 93.41 lm/W  $\Phi_e = 3.656 W$

### Electrical parameters:

V = 24.160 V I = 0.4546 A P = 10.98 W PF = 1.000

WHITE:ANSI\_6500K

Status: Integral T = 28 ms  $I_p = 45676 (70\%)$

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

Number:99LED980CW  
 Date:2021-11-08 09:22:07  
 Humidity:65.0%  
 Remarks:6943