

# 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:** 98LED007SW

## 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:	No		
Anti-glare shield:	No	Dimmable:	No

## Product parameters

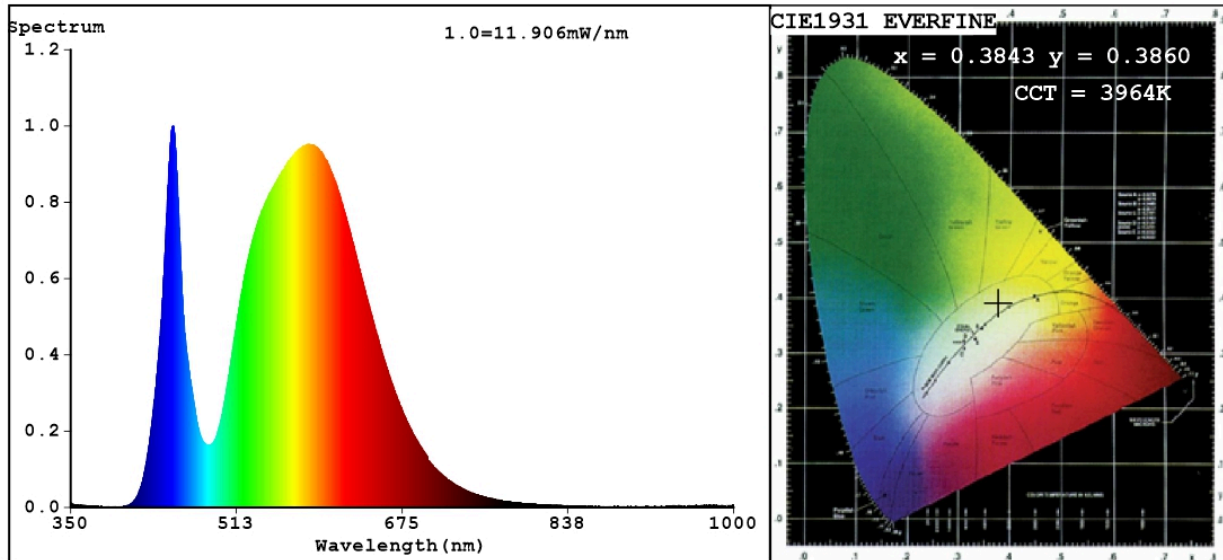
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	7	Energy efficiency class	G
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	350 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	7,0	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	0,20	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	74
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)	0,384 0,386	
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	450	Beam angle in degrees, or the range of beam angles that can be set	60	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	0	Survival factor	0,56	
the lumen maintenance factor	1,00			

(a) : not applicable;

(b) : not applicable;

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3843$   $y=0.3860$   $u'=0.2240$   $v'=0.5061$   
 CCT=3964K (Duv=0.0031) Dominant WL:Ld =577.7nm WL:Lc = --nm Purity=31.2%  
 Ratio:R=17.1% G=80.4% B=2.5%; Peak WL:Lp=450.6nm FWHM=21.8nm  
 Render Index:Ra=74.2 AvgR=65.8 TM30:Rf=77 Rg=94 Lav=570.7nm

R1 =72	R2 =80	R3 =86	R4 =73	R5 =70	R6 =71	R7 =84
R8 =58	R9 =0	R10=51	R11=68	R12=42	R13=73	R14=92 R15=66

### Photo Parameters:

Flux = 656.3 lm Eff. : 90.82 lm/W Fe = 1.926 W

### Electrical parameters:

V = 12.812 V I = 0.5640 A P = 7.226 W PF = 1.000  
 WHITE:ANSI\_4000K

Status: Integral T = 61 ms Ip = 35097 (54%)

Model:UNDERWATER LED LIGHTS  
 Tester:Atanas DAKOV  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:98LED007SW  
 Date:2021-12-09 16:03:27  
 Humidity:65.0%  
 Remarks:7807