

# 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:** 99SM1504050/GR

## 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:	MLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	No

## Product parameters

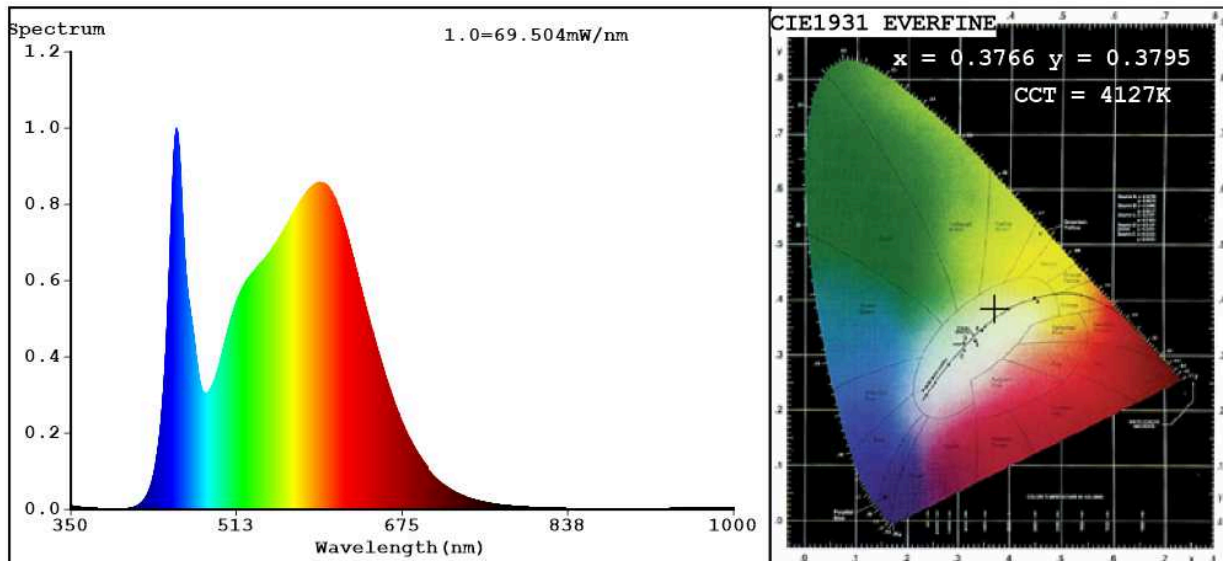
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	50	Energy efficiency class	G
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	3 500 in Narrow cone (90°)	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	47,3	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	83
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 <sup>(a)</sup>	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,376 0,379	
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	453	Beam angle in degrees, or the range of beam angles that can be set	90	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	8	Survival factor	0,50	
the lumen maintenance factor	0,93			
<b>Parameters for LED and OLED mains light sources:</b>				
displacement factor (cos $\phi_1$ )	0,70	Colour consistency in McAdam ellipses	5	
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	-(b)	If yes then replacement claim (W)	-	
Flicker metric (Pst LM)	0,0	Stroboscopic effect metric (SVM)	0,0	

(a) - : not applicable;

(b) - : not applicable;

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3766$   $y=0.3795$   $u'=0.2215$   $v'=0.5022$   
 CCT=4127K (Duv=0.0025) Dominant WL:  $L_d=577.2\text{nm}$  WL:  $L_c = \text{--nm}$  Purity=26.9%  
 Ratio: R=17.9% G=78.1% B=4.0% Peak WL:  $L_p=453.7\text{nm}$  FWHM=23.7nm  
 Render Index:  $R_a=83.5$   $\text{AvgR}=76.8$  TM30:  $R_f=84$   $R_g=93$   $L_{av}=567.8\text{nm}$

R1 =82	R2 =91	R3 =96	R4 =81	R5 =82	R6 =87	R7 =86
R8 =64	R9 =8	R10=78	R11=80	R12=60	R13=84	R14=98
						R15=75

### Photo Parameters:

Flux = 3475 lm Eff. : 73.46 lm/W  $F_e = 10.55$  W

### Electrical parameters:

V = 225.12 V I = 0.2810 A P = 47.30 W PF = 0.7477

WHITE:ANSI\_4000K

Status: Integral T = 16 ms  $I_p = 43119$  (66%)

Model:LED INDOOR LIGHTING  
 Tester:Atanas DAKOV  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number: 99SM1504050 BL  
 Date:2021-12-23 10:04:17  
 Humidity:65.0%  
 Remarks: