

# 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:** 99SM36S4050A/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

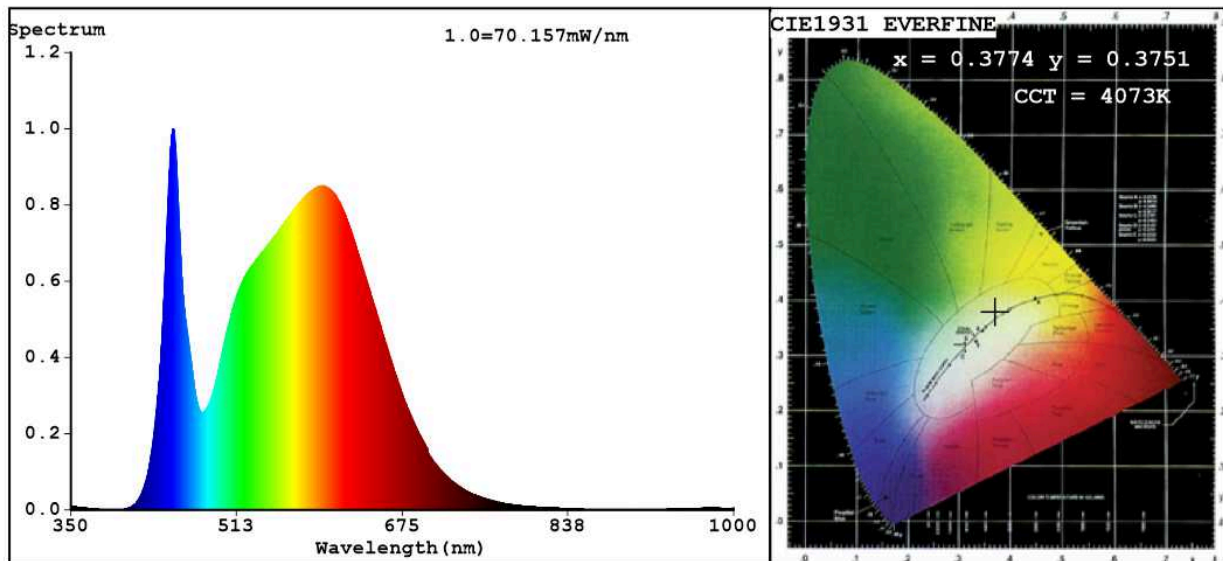
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	50	Energy efficiency class	G
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	3 800 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	48,0	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	-	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	85
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)	0,377 0,375	
<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	90	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	26	Survival factor	0,50	
the lumen maintenance factor	0,90			
<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:  $x=0.3774$   $y=0.3751$   $u'=0.2238$   $v'=0.5004$   
 $CCT=4073K$  ( $Duv=0.0001$ ) Dominant WL:  $L_d = 578.7nm$  WL:  $L_c = --nm$  Purity=25.8%  
 Ratio:  $R=18.4\%$   $G=77.9\%$   $B=3.6\%$ ; Peak WL:  $L_p=450.6nm$  FWHM=22.3nm  
 Render Index:  $R_a=85.4$   $AvgR=79.6$   $TM30:R_f=86$   $R_g=97$   $L_{av}=571.3nm$

R1 =84	R2 =90	R3 =94	R4 =85	R5 =84	R6 =85	R7 =89
R8 =72	R9 =26	R10=75	R11=84	R12=64	R13=86	R14=96
						R15=80

### Photo Parameters:

Flux = 3580 lm Eff. : 73.69 lm/W  $F_e = 11.34 W$

### Electrical parameters:

$V = 225.16 V$   $I = 0.2880 A$   $P = 48.58 W$   $PF = 0.7491$

WHITE:ANSI\_4000K

Status: Integral T = 18 ms  $I_p = 52845$  (81%)

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

Number: 99SM36S4050 BL  
 Date:2021-12-23 12:54:19  
 Humidity:65.0%  
 Remarks: