

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/BL

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

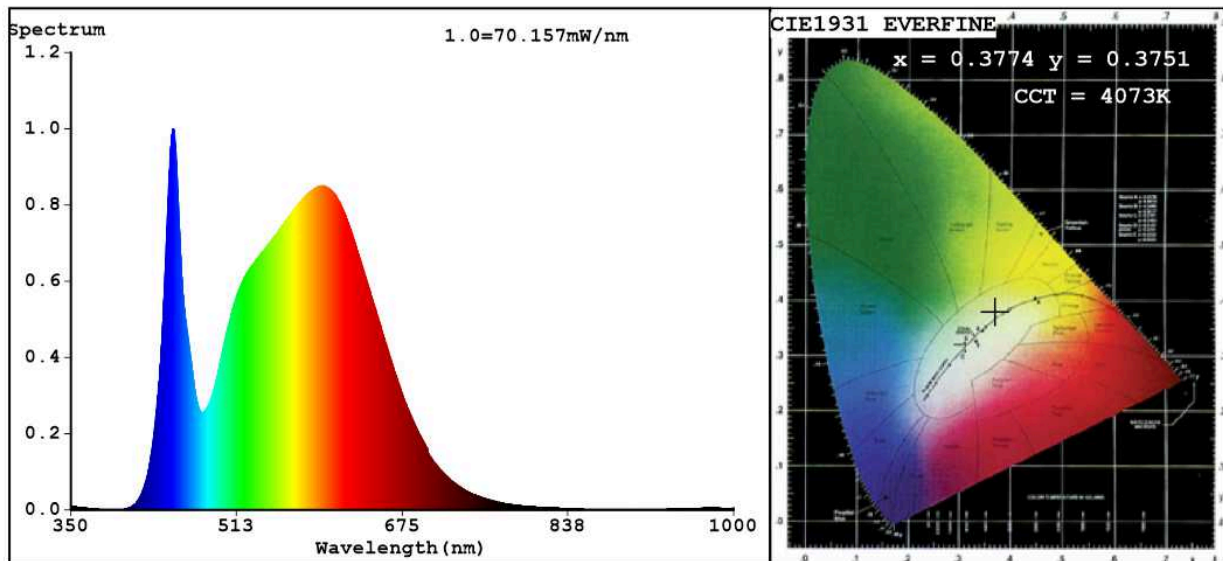
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	50	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	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 ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,377 0,375	
Parameters for directional light sources:				
Peak luminous intensity (cd)	450	Beam angle in degrees, or the range of beam angles that can be set	90	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	26	Survival factor	0,50	
the lumen maintenance factor	0,90			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_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 Fe = 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 Ip = 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: