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: 99SM36S4040/WH

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

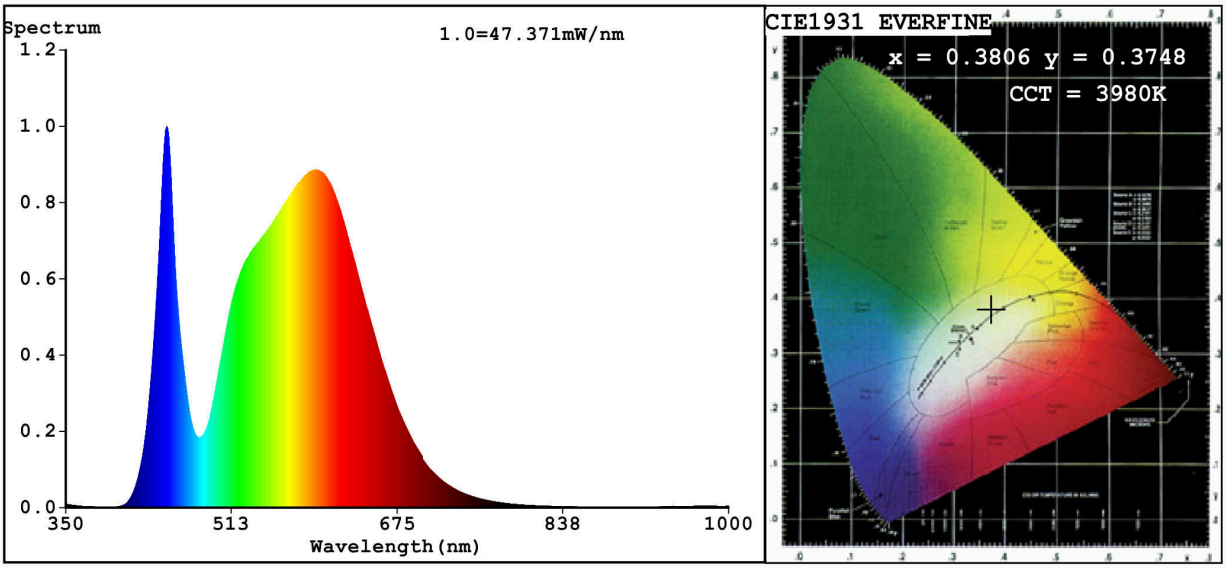
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	40	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	2 500 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	42,0	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	81
Outer dimensions without — Height	600	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	66		
Outer dimensions without — Depth	36		

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)	0,380 0,374
Parameters for directional light sources:				
Peak luminous intensity (cd)		448	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		10	Survival factor	0,00
the lumen maintenance factor		0,00		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,70	Colour consistency in McAdam ellipses	0
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=0.3806 y=0.3748/u'=0.2260 v'=0.5008

CCT=3980K(Duv=-0.0010) Dominant WL:Ld =579.7nm WL:Lc = --nm Purity=26.7%

Ratio:R=18.3% G=78.7% B=3.0%¡¡Peak WL:Lp=448.9nm FWHM=22.8nm

Render Index:Ra=81.4 AvgR=74.5 TM30:Rf=82 Rg=98 Lav=570.9nm

R1 =80	R2 =86	R3 =90	R4 =82	R5 =80	R6 =80	R7 =86	
R8 =66	R9 =10	R10=66	R11=80	R12=59	R13=81	R14=94	R15=75

Photo Parameters:

Flux = 2449 lm Eff. : 58.31 lm/W Fe = 7.540 W

Electrical parameters:

V = 224.97 V I = 0.2646 A P = 42.00 W PF = 0.7055

WHITE:ANSI_4000K

Status: Integral T = 22 ms Ip = 45329 (69%)

Model:LED INDOOR LIGHTING	Number:99SM36S4040/BL
Tester:Atanas DAKOV	Date:2021-10-21 13:35:34
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks: