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: 99SM36S4020/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

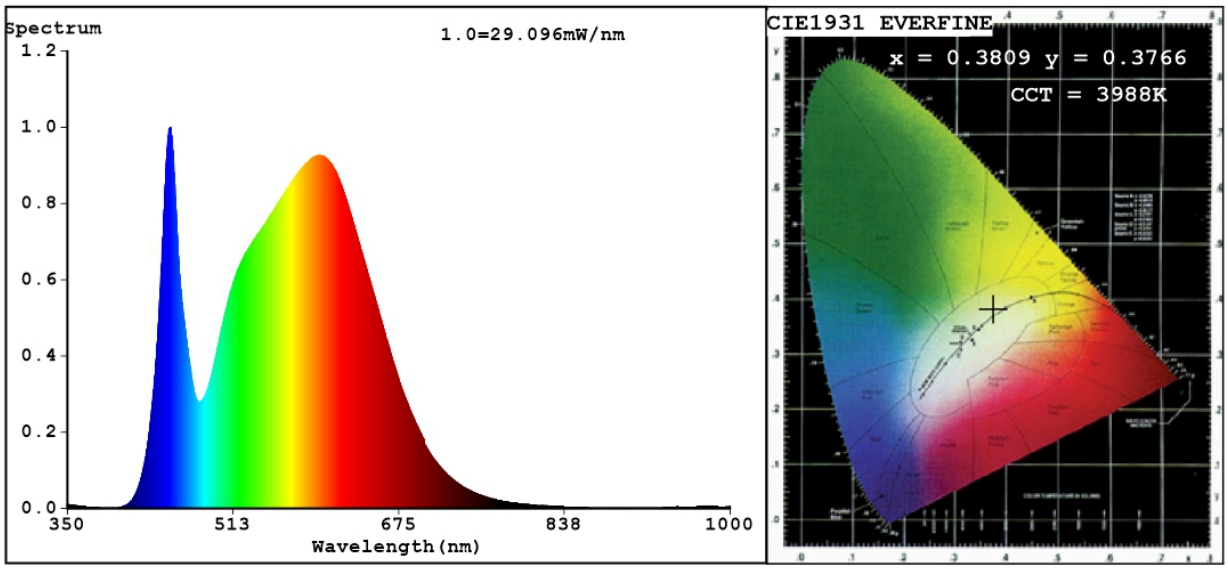
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	20	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	1 600 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	25,0	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	600	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	65		
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 0,376
Parameters for directional light sources:				
Peak luminous intensity (cd)		451	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		0,95		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,50	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)		0,6	Stroboscopic effect metric (SVM)	0,2

[(a)] '-' : not applicable;

[(b)] '-' : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.3809 y=0.3766/u'=0.2254 v'=0.5016

CCT=3988K(Duv=-0.0002) Dominant WL:Ld =579.2nm WL:Lc = --nm Purity=27.3%

Ratio:R=18.7% G=77.7% B=3.6%¡¡Peak WL:Lp=451.3nm FWHM=24.5nm

Render Index:Ra=85.4 AvgR=79.7 TM30:Rf=86 Rg=97 Lav=572.9nm

R1 =84	R2 =90	R3 =94	R4 =85	R5 =84	R6 =86	R7 =89	
R8 =71	R9 =26	R10=76	R11=84	R12=65	R13=86	R14=96	R15=80

Photo Parameters:

Flux = 1599 lm Eff. : 63.67 lm/W Fe = 5.082 W

Electrical parameters:

V = 225.09 V I = 0.2166 A P = 25.12 W PF = 0.5151

WHITE:ANSI_4000K

Status: Integral T = 38 ms Ip = 50038 (76%)

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

Number:99SM36S4020 WH1
Date:2022-02-01 14:24:44
Humidity:65.0%
Remarks: