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: 99FM36S4009/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

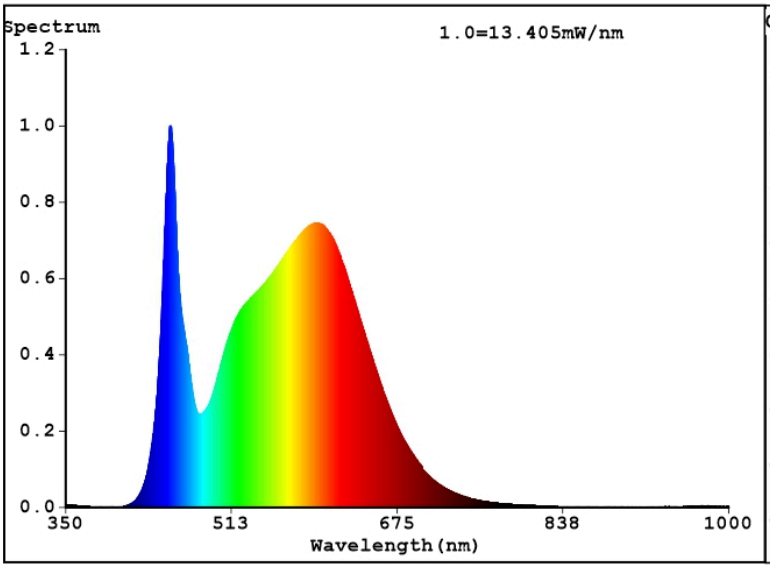
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	9	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	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	10,9	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	135		
Outer dimensions without — Depth	36		

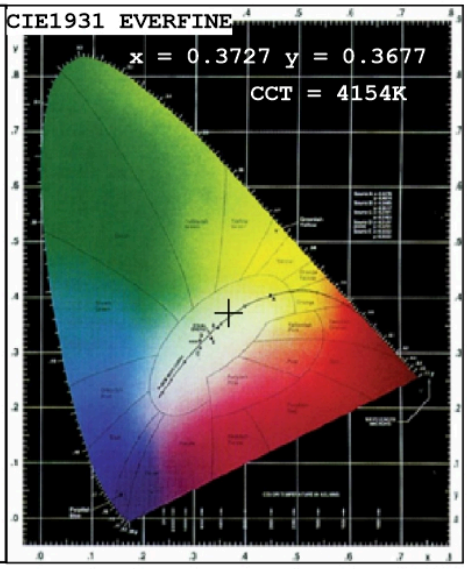
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,372 0,367
Parameters for directional light sources:				
Peak luminous intensity (cd)		453	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		19	Survival factor	0,50
the lumen maintenance factor		0,95		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,20	Colour consistency in McAdam ellipses	4
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)		0,5	Stroboscopic effect metric (SVM)	0,2

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

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

Spectrum Test Report





Color Parameters:

Chromaticity Coordinate:x=0.3727 y=0.3677/u'=0.2236 v'=0.4964

CCT=4154K(Duv=-0.0020) Dominant WL:Ld =579.8nm WL:Lc = --nm Purity=22.2%

Ratio:R=18.3% G=77.7% B=4.0%¡¡Peak WL:Lp=453.0nm FWHM=20.2nm

Render Index:Ra=85.1 AvgR=79.1 TM30:Rf=84 Rg=96 Lav=567.9nm

R1 =84	R2 =92	R3 =95	R4 =83	R5 =84	R6 =87	R7 =87	
R8 =68	R9 =19	R10=79	R11=82	R12=62	R13=87	R14=98	R15=80

Photo Parameters:

Flux = 583.6 lm Eff. : 53.44 lm/W Fe = 1.820 W

Electrical parameters:

V = 225.15 V I = 0.2108 A P = 10.92 W PF = 0.2301

WHITE:ANSI_4000K

Status: Integral T = 91 ms Ip = 51692 (79%)

Model:LED INDOOR LIGHTING	Number:99FM36S4009 BL
Tester:Atanas DAKOV	Date:2022-02-01 12:57:42
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks: