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: 92FLCOM1040/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

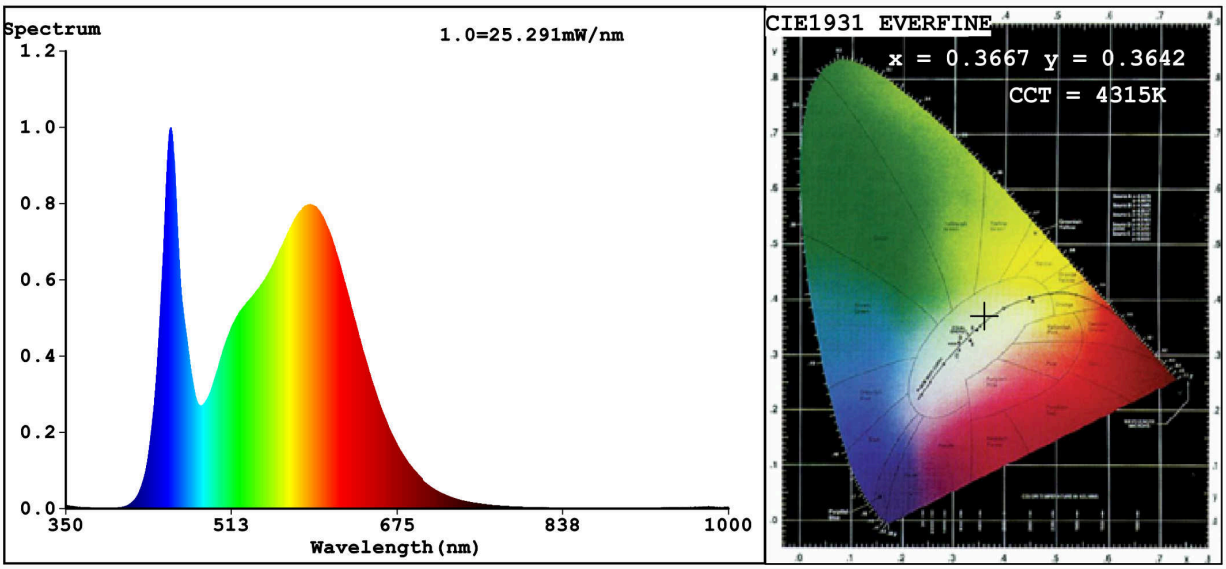
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	10	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	1 000 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	9,2	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	90	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	90		
Outer dimensions without — Depth	90		

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)	0,366 0,364
Parameters for directional light sources:				
Peak luminous intensity (cd)		453	Beam angle in degrees, or the range of beam angles that can be set	24
Parameters for LED and OLED light sources:				
R9 colour rendering index value		0	Survival factor	0,50
the lumen maintenance factor		0,93		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,50	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=0.3667 y=0.3642/u'=0.2210 v'=0.4939

CCT=4315K(Duv=-0.0017) Dominant WL:Ld =579.0nm WL:Lc = --nm Purity=19.3%

Ratio:R=17.2% G=78.7% B=4.1%¡¡Peak WL:Lp=453.3nm FWHM=23.6nm

Render Index:Ra=81.4

R1 =80	R2 =90	R3 =95	R4 =79	R5 =80	R6 =85	R7 =83	
R8 =60	R9 =0	R10=75	R11=77	R12=60	R13=82	R14=98	R15=73

Photo Parameters:

Flux = 1143 lm Eff. : 124.14 lm/W Fe = 3.476 W

Electrical parameters:

V = 219.98 V I = 0.08298 A P = 9.204 W PF = 0.5042

WHITE:ANSI_4500K

Status: Integral T = 47 ms Ip = 51127 (78%)

Model:SPOTLIGHT FLCOM COB	Number:92FLCOM1040/BL
Tester:Atanas DAKOV	Date:2021-02-12 14:28:20
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:7335