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: 99FM1204024/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

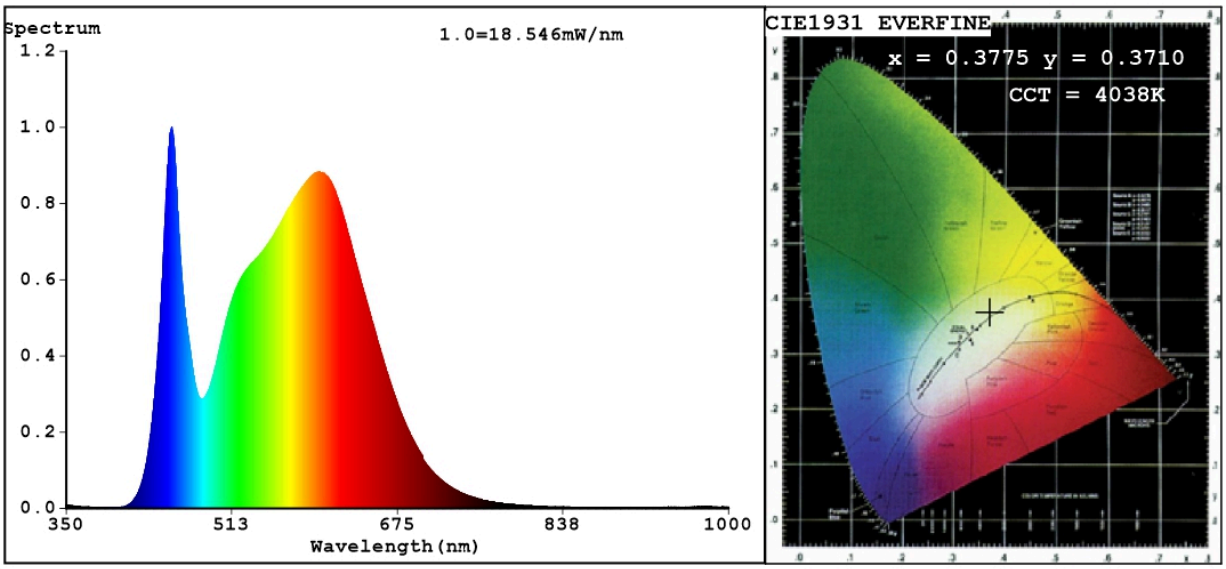
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	24	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	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	29,0	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	1 200	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	70		
Outer dimensions without — Depth	48		

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 0,371
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		23	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	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=0.3775 y=0.3710/u'=0.2255 v'=0.4986

CCT=4038K(Duv=-0.0019) Dominant WL:Ld =580.0nm WL:Lc = --nm Purity=24.6%

Ratio:R=18.8% G=77.4% B=3.9%¡¡Peak WL:Lp=453.7nm FWHM=25.3nm

Render Index:Ra=85.8 AvgR=80.2 TM30:Rf=85 Rg=96 Lav=570.3nm

R1 =85	R2 =92	R3 =96	R4 =84	R5 =85	R6 =88	R7 =87	
R8 =69	R9 =23	R10=80	R11=84	R12=65	R13=87	R14=98	R15=80

Photo Parameters:

Flux = 947.7 lm Eff. : 32.17 lm/W Fe = 2.978 W

Electrical parameters:

V = 225.17 V I = 0.2289 A P = 29.46 W PF = 0.5715

WHITE:ANSI_4000K

Status: Integral T = 64 ms Ip = 50941 (78%)

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

Number:99FM1204024
Date:2022-01-26 11:10:09
Humidity:65.0%
Remarks: