

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/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

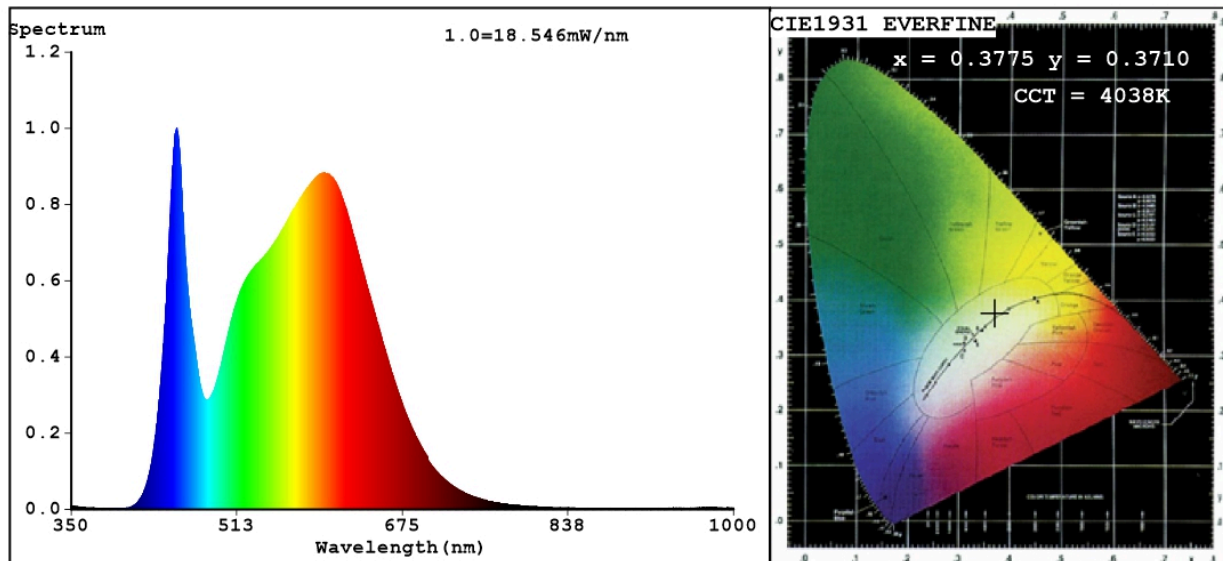
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	24	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	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	Spectral power distribution in the	See image in last page
	Width		
	Depth		

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 ϕ_1)	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: