

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: 99FM1504032/WHE

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

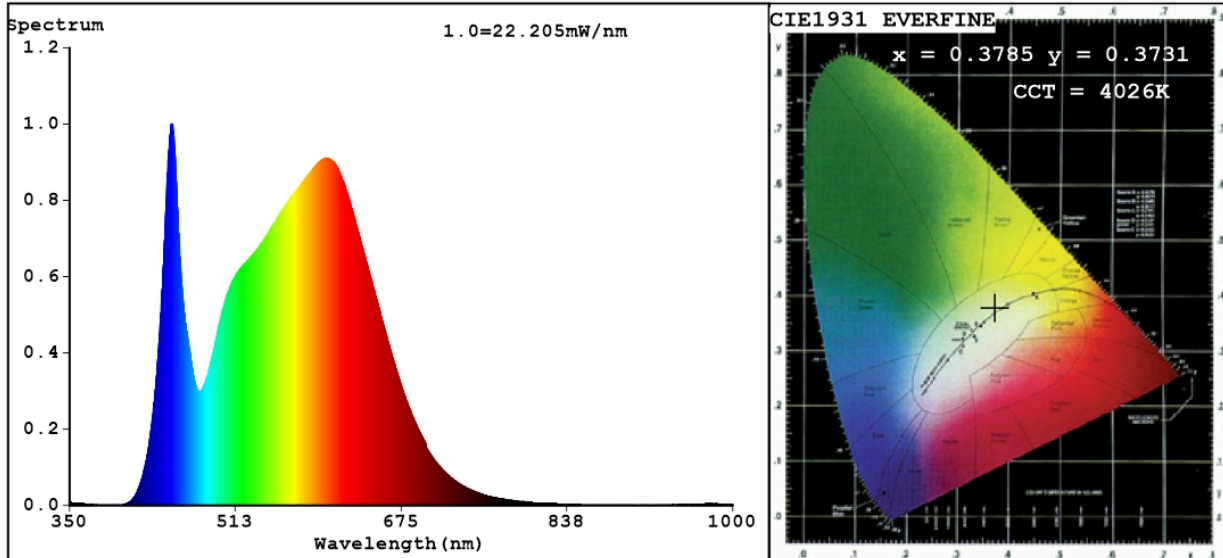
Parameter	Value	Parameter	Value	
General product parameters:				
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	32	Energy efficiency class	G	
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 500 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	34,0	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	87	
Outer dimensions without	Height	Spectral power distribution in the	See image in last page	
	Width			1 500
	Depth			70
			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)	0,378 0,373
Parameters for directional light sources:				
Peak luminous intensity (cd)	450		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	32		Survival factor	0,50
the lumen maintenance factor	0,95			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,60		Colour consistency in McAdam ellipses	6
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: $x=0.3785$ $y=0.3731$ / $u'=0.2253$ $v'=0.4996$
 CCT=4026K (Duv=-0.0012) Dominant WL:Ld =579.7nm WL:Lc = --nm Purity=25.5%
 Ratio:R=19.0% G=77.0% B=4.0%; Peak WL:Lp=450.6nm FWHM=23.5nm
 Render Index:Ra=87.8 AvgR=83.0 TM30:Rf=88 Rg=98 Lav=571.1nm

R1 =87 R2 =92 R3 =96 R4 =88 R5 =87 R6 =89 R7 =89
 R8 =73 R9 =32 R10=82 R11=88 R12=72 R13=89 R14=98 R15=82

Photo Parameters:

Flux = 1188 lm Eff. : 33.95 lm/W Fe = 3.796 W

Electrical parameters:

V = 225.20 V I = 0.2415 A P = 34.99 W PF = 0.6435
 WHITE:ANSI_4000K

Status: Integral T = 52 ms Ip = 51261 (78%)

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

Number:99FM1504032 BL
 Date:2022-01-26 10:48:34
 Humidity:65.0%
 Remarks: