

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/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

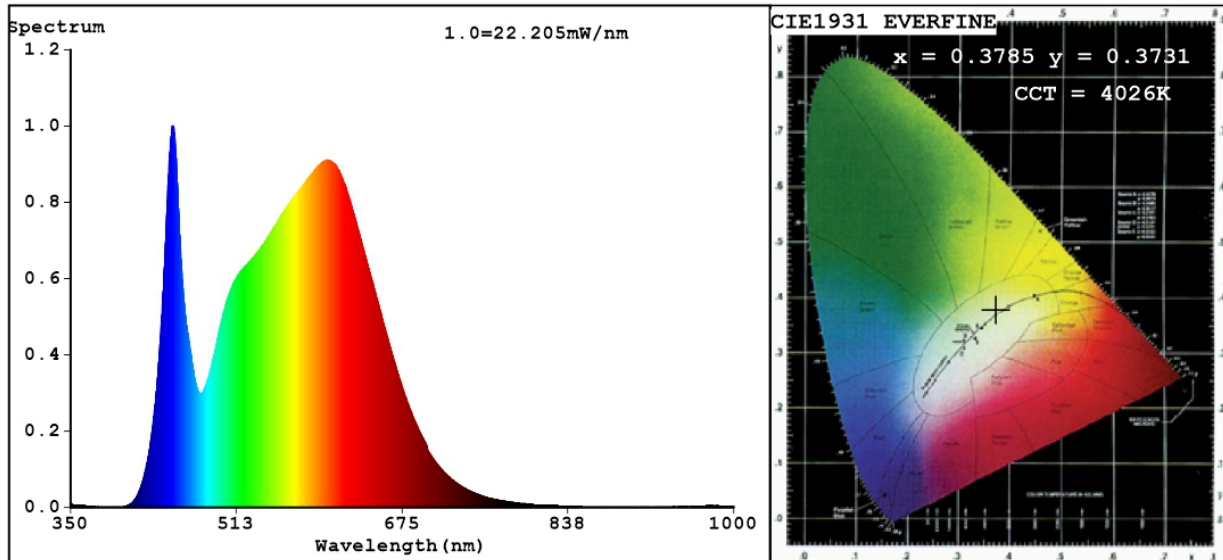
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	32	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	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		
	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)	0,378 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: