

# 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/GRE

## 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

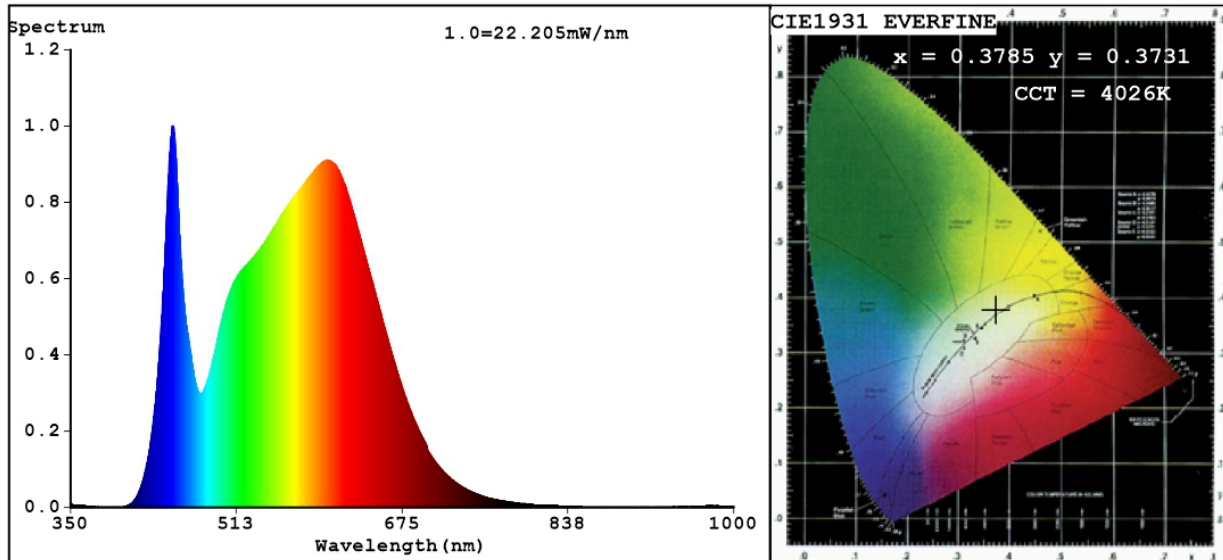
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	32	Energy efficiency class	G
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a 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 <sup>(a)</sup>	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,378 0,373	
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	450	Beam angle in degrees, or the range of beam angles that can be set	90	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	32	Survival factor	0,50	
the lumen maintenance factor	0,95			
<b>Parameters for LED and OLED mains light sources:</b>				
displacement factor (cos $\phi_1$ )	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: