

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: 99FM1504050/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

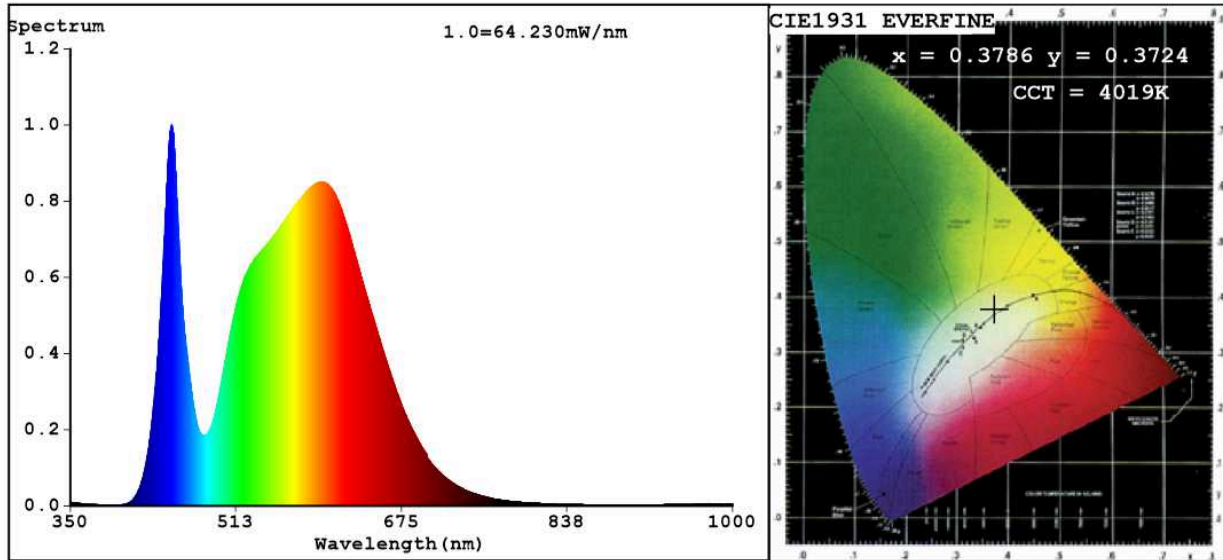
Parameter	Value	Parameter	Value	
General product parameters:				
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	50	Energy efficiency class	G	
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	3 200 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	47,5	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	82	
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 0,372
Parameters for directional light sources:				
Peak luminous intensity (cd)	449		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	14		Survival factor	0,50
the lumen maintenance factor	0,95			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,74		Colour consistency in McAdam ellipses	5
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)	0,0		Stroboscopic effect metric (SVM)	0,0

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3786$ $y=0.3724$ / $u'=0.2256$ $v'=0.4994$
 CCT=4019K (Duv=-0.0015) Dominant WL:Ld =579.9nm WL:Lc = --nm Purity=25.4%
 Ratio:R=18.4% G=78.5% B=3.1%; Peak WL:Lp=449.6nm FWHM=22.5nm
 Render Index:Ra=82.1 AvgR=75.5 TM30:Rf=82 Rg=98 Lav=570.7nm

R1 =81 R2 =87 R3 =90 R4 =83 R5 =81 R6 =81 R7 =87
 R8 =68 R9 =14 R10=68 R11=81 R12=59 R13=82 R14=94 R15=77

Photo Parameters:

Flux = 3202 lm Eff. : 67.35 lm/W Fe = 9.945 W

Electrical parameters:

V = 225.18 V I = 0.2820 A P = 47.54 W PF = 0.7487

WHITE:ANSI_4000K

Status: Integral T = 21 ms Ip = 51113 (78%)

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

Number:ALT 99FM1504050 GR
 Date:2021-12-21 14:46:32
 Humidity:65.0%
 Remarks: