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/GR

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

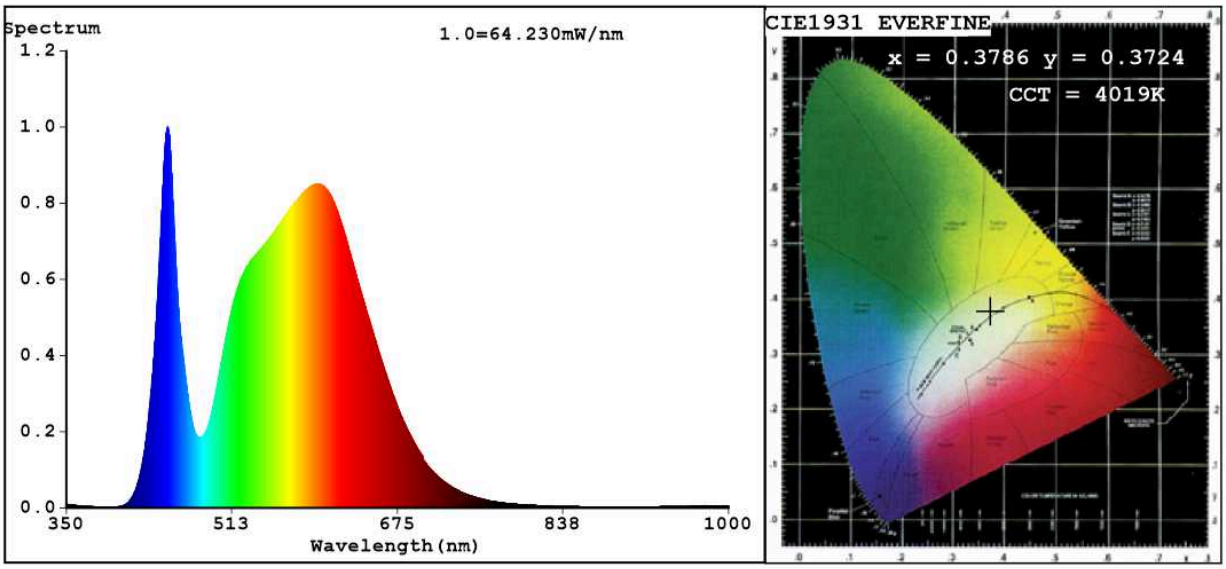
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	50	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	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	1 500	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	70		
Outer dimensions without — Depth	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 ϕ1)		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: