

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: 98MADRID100SMD

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:	Yes		
Anti-glare shield:	No	Dimmable:	No

Product parameters

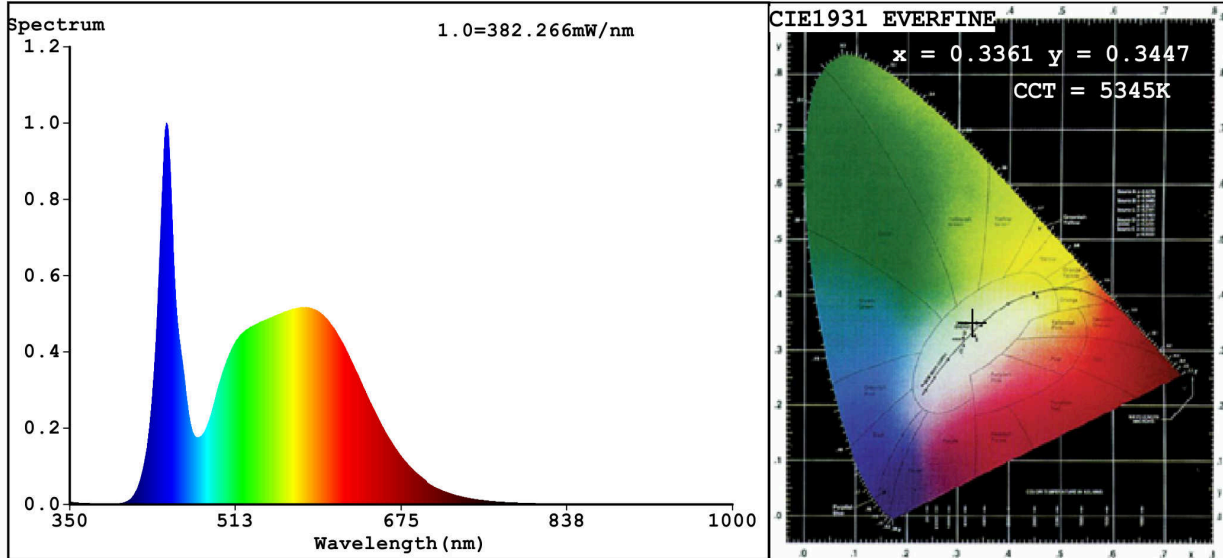
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	100	Energy efficiency class	D
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	12 000 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	5 000
On-mode power (P_{on}), expressed in W	102,4	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 separate control gear, lighting control	Height	567	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	233	
	Depth	87	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,336 0,344
Parameters for directional light sources:			
Peak luminous intensity (cd)	9 249	Beam angle in degrees, or the range of beam angles that can be set	100
Parameters for LED and OLED light sources:			
R9 colour rendering index value	11	Survival factor	0,50
the lumen maintenance factor	0,93		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	0,97	Colour consistency in McAdam ellipses	1
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: $x=0.3361$ $y=0.3447$ / $u'=0.2080$ $v'=0.4799$
 CCT=5345K (Duv=0.0002) Dominant WL:Ld =563.5nm WL:Lc = --nm Purity=4.2%
 Ratio:R=15.2% G=80.4% B=4.3%; Peak WL:Lp=444.9nm FWHM=19.0nm
 Render Index:Ra=82.3

R1 =82 R2 =85 R3 =88 R4 =84 R5 =83 R6 =81 R7 =85
 R8 =70 R9 =11 R10=65 R11=86 R12=67 R13=82 R14=93 R15=77

Photo Parameters:

Flux = 12715 lm Eff. : 124.13 lm/W Fe = 40.52 W

Electrical parameters:

V = 219.73 V I = 0.4774 A P = 102.4 W PF = 0.9764
 WHITE:ANSI_5700K

Status: Integral T = 3 ms Ip = 47873 (73%)

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

Number:98MADRID100SMD1
 Date:2021-03-18 16:02:40
 Humidity:65.0%
 Remarks:7533