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: 98MADRID30SMD

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

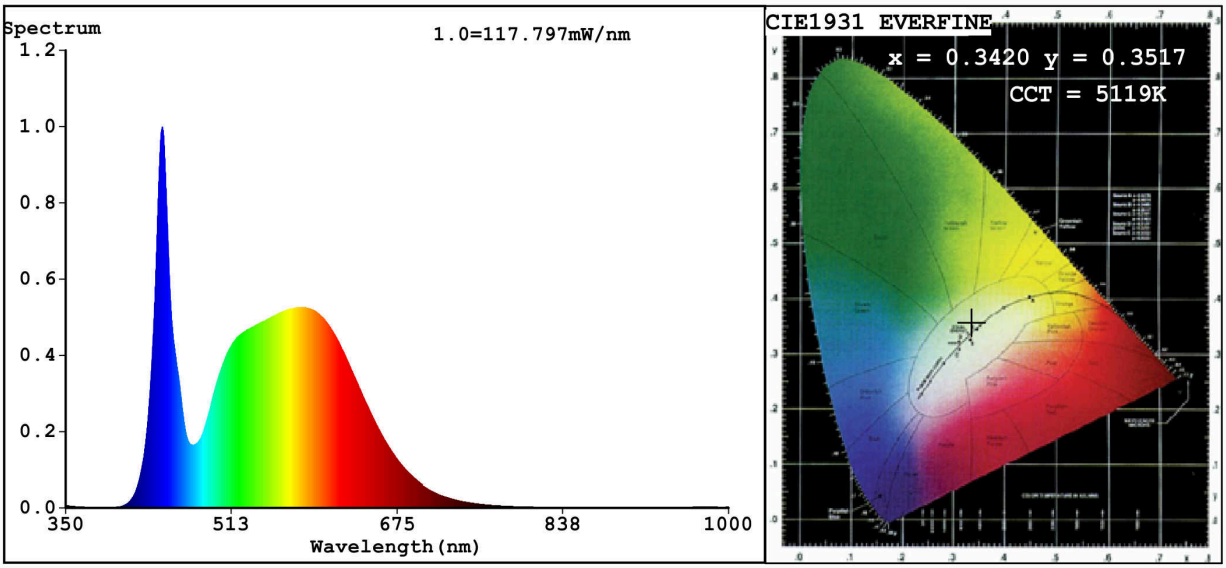
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	30	Energy efficiency class	D
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	3 540 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	29,8	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	81
Outer dimensions without separate control gear, lighting control — Height	362	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Width	143		
Depth	54		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,342 0,351
Parameters for directional light sources:				
Peak luminous intensity (cd)		2 078	Beam angle in degrees, or the range of beam angles that can be set	101
Parameters for LED and OLED light sources:				
R9 colour rendering index value		7	Survival factor	0,50
the lumen maintenance factor		0,93		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,90	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=0.3420 y=0.3517/u'=0.2093 v'=0.4843

CCT=5119K(Duv=0.0013) Dominant WL:Ld =569.4nm WL:Lc = --nm Purity=8.2%

Ratio:R=15.5% G=80.4% B=4.2%¡¡Peak WL:Lp=444.8nm FWHM=17.3nm

Render Index:Ra=81.7

R1 =81	R2 =85	R3 =88	R4 =83	R5 =82	R6 =81	R7 =85	
R8 =68	R9 =7	R10=65	R11=85	R12=66	R13=81	R14=94	R15=75

Photo Parameters:

Flux = 3969 lm Eff. : 133.18 lm/W Fe = 12.47 W

Electrical parameters:

V = 219.95 V I = 0.1485 A P = 29.80 W PF = 0.9126

WHITE:ANSI_5000K

Status: Integral T = 11 ms Ip = 54053 (82%)

Model:LED OUTDOOR LIGHTING	Number:98MADRID30SMD
Tester:Atanas DAKOV	Date:2021-03-18 13:51:16
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:7533