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: 95MALIA12LED/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

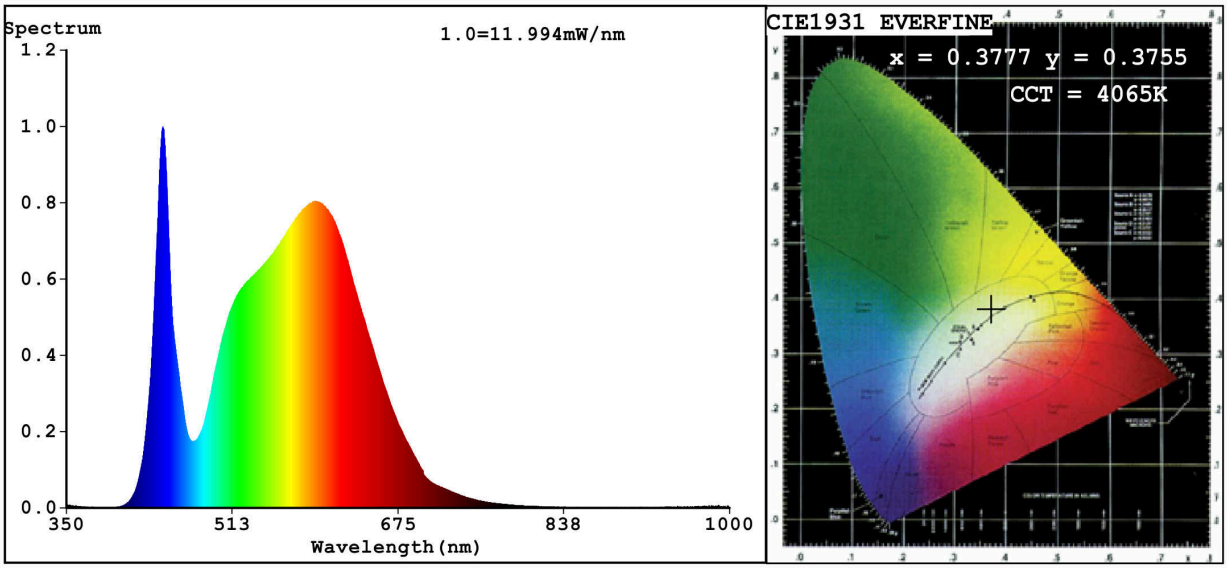
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	12	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	600 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	12,4	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 — Height	120	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	130		
Outer dimensions without — Depth	120		

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)	0,377 0,375
Parameters for directional light sources:				
Peak luminous intensity (cd)		444	Beam angle in degrees, or the range of beam angles that can be set	60
Parameters for LED and OLED light sources:				
R9 colour rendering index value		9	Survival factor	0,50
the lumen maintenance factor		0,93		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,26	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)		0,0	Stroboscopic effect metric (SVM)	0,0

[a] '-' : not applicable;

[b] '-' : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.3777 y=0.3755/u'=0.2238 v'=0.5006

CCT=4065K(Duv=0.0002) Dominant WL:Ld =578.7nm WL:Lc = --nm Purity=26.1%

Ratio:R=18.1% G=78.7% B=3.3%¡¡Peak WL:Lp=444.5nm FWHM=18.6nm

Render Index:Ra=82.3 AvgR=75.9 TM30:Rf=83 Rg=98 Lav=568.0nm

R1 =81	R2 =86	R3 =92	R4 =84	R5 =82	R6 =82	R7 =86	
R8 =66	R9 =9	R10=69	R11=84	R12=66	R13=82	R14=95	R15=75

Photo Parameters:

Flux = 565.4 lm Eff. : 45.53 lm/W Fe = 1.732 W

Electrical parameters:

V = 225.23 V I = 0.2073 A P = 12.42 W PF = 0.2659

WHITE:ANSI_4000K

Status: Integral T = 103 ms Ip = 50714 (77%)

Model:LED FIXTURES	Number:95MALIA12LED BL
Tester:Atanas DAKOV	Date:2021-08-03 10:40:05
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:7669