

# 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:** 95MALIA24LED/BL

## Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
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

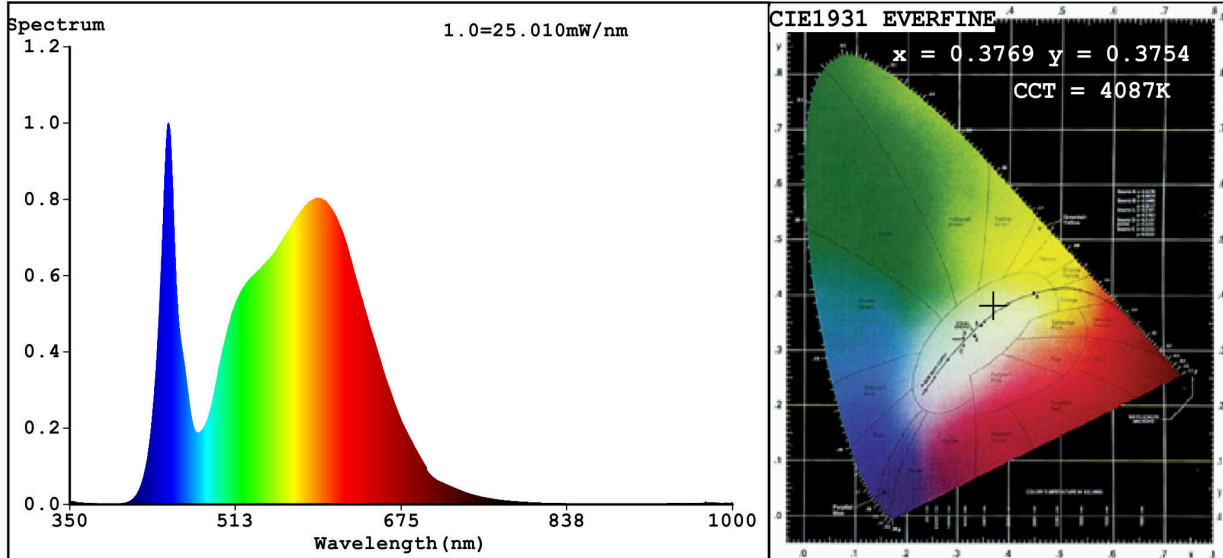
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	24	Energy efficiency class	G
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 320 in Wide cone (120°)	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	24,0	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	265	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	130	
	Depth	100	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power <sup>(a)</sup>	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,376 0,375
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	9	Survival factor	0,50
the lumen maintenance factor	0,90		
<b>Parameters for LED and OLED mains light sources:</b>			
displacement factor (cos $\phi_1$ )	0,30	Colour consistency in McAdam ellipses	3
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:  $x=0.3769$   $y=0.3754$  /  $u'=0.2234$   $v'=0.5004$   
 CCT=4087K (Duv=0.0004) Dominant WL:  $L_d = 578.5\text{nm}$  WL:  $L_c = \text{--nm}$  Purity=25.8%  
 Ratio: R=18.0% G=78.7% B=3.3% ; Peak WL:  $L_p = 446.8\text{nm}$  FWHM=18.7nm  
 Render Index:  $R_a = 82.4$  AvgR=75.8 TM30:  $R_f = 83$   $R_g = 97$   $L_{av} = 568.0\text{nm}$

R1 =81    R2 =87    R3 =92    R4 =83    R5 =81    R6 =83    R7 =86  
 R8 =66    R9 =9    R10=70    R11=83    R12=64    R13=82    R14=96    R15=75

**Photo Parameters:**

Flux = 1178 lm    Eff. : 53.77 lm/W     $P_e = 3.599$  W

**Electrical parameters:**

V = 225.09 V    I = 0.2740 A    P = 21.92 W PF = 0.3554  
 WHITE:ANSI\_4000K

Status: Integral T = 48 ms  $I_p = 48311$  (74%)

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

Number:95MALIA24LED/BL  
 Date:2021-07-05 09:16:20  
 Humidity:65.0%  
 Remarks: