

# 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:** 93MPL1530/BL

## 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:	NMLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	No

## Product parameters

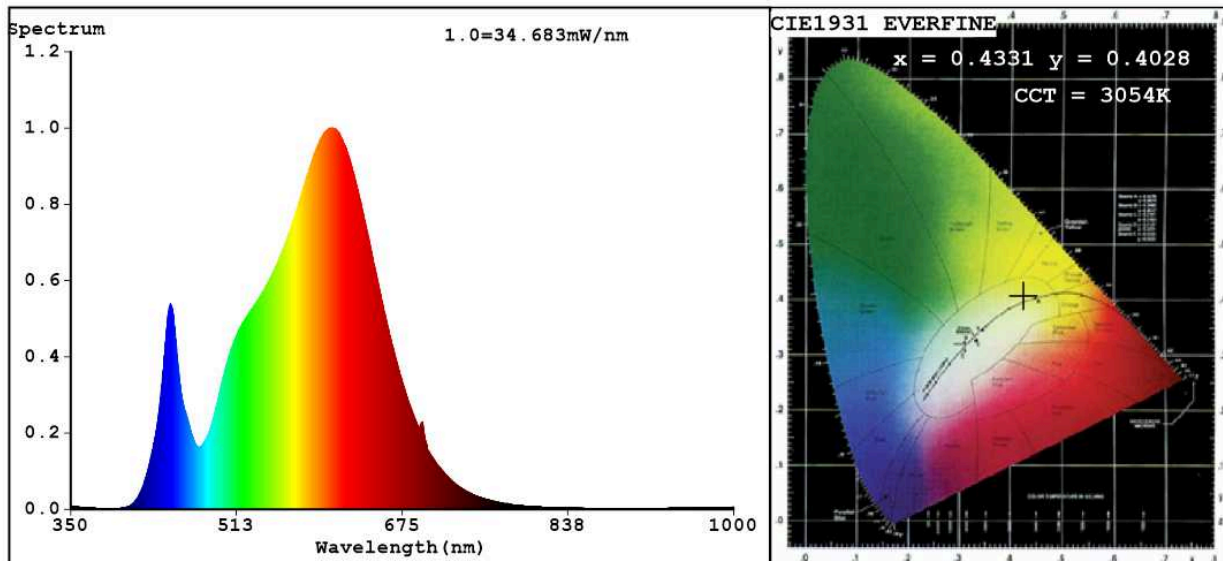
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	15	Energy efficiency class	G
Useful luminous flux ( $\phi_{\text{use}}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 700 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	3 000
On-mode power ( $P_{\text{on}}$ ), expressed in W	21,8	Standby power ( $P_{\text{sb}}$ ), expressed in W and rounded to the second decimal	0,00
Networked standby power ( $P_{\text{net}}$ ) 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	84
Outer dimensions without	Height	Spectral power distribution in the	See image in last page
	Width		
	Depth		

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 <sup>(a)</sup>	-		If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,433 0,402
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	606		Beam angle in degrees, or the range of beam angles that can be set	38
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	15		Survival factor	0,50
the lumen maintenance factor	0,93			

(a) : not applicable;

(b) : not applicable;

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.4331$   $y=0.4028$   $u'=0.2487$   $v'=0.5203$   
 CCT=3054K (Duv=0.0000) Dominant WL:  $L_d = 582.6\text{nm}$  WL:  $L_c = \text{--nm}$  Purity=50.9%  
 Ratio: R=22.8% G=74.7% B=2.5%; Peak WL:  $L_p = 606.1\text{nm}$  FWHM=137.5nm  
 Render Index:  $R_a = 84.4$  AvgR=79.2 TM30:  $R_f = 85$   $R_g = 97$   $L_{av} = 589.2\text{nm}$

R1 =83	R2 =91	R3 =97	R4 =84	R5 =83	R6 =89	R7 =85
R8 =63	R9 =15	R10=79	R11=84	R12=75	R13=85	R14=98
						R15=76

### Photo Parameters:

Flux = 1727 lm Eff. : 79.12 lm/W  $F_e = 5.339$  W

### Electrical parameters:

V = 225.16 V I = 0.2705 A P = 21.83 W PF = 0.3584

WHITE: ANSI\_3000K

Status: Integral T = 35 ms  $I_p = 54301$  (83%)

Model: led hanging light  
 Tester: Atanas DAKOV  
 Temperature: 25.3Deg  
 Manufacturer: ELMARK

Number: 93MPL1530 BL  
 Date: 2021-11-18 10:02:34  
 Humidity: 65.0%  
 Remarks: 7876