

# 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:** 93MPL1540/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

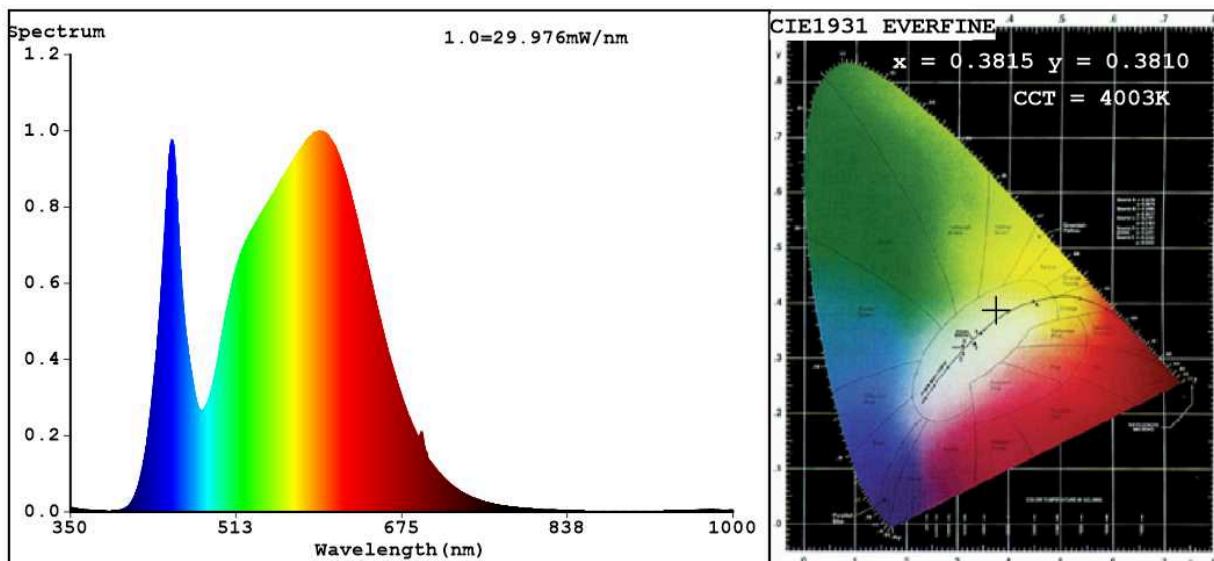
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	15	Energy efficiency class	G
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a 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	4 000
On-mode power ( $P_{on}$ ), expressed in W	22,7	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	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)	0,381 0,381
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	593		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	12		Survival factor	0,50
the lumen maintenance factor	0,93			

(a) : not applicable;

(b) : not applicable;

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3815$   $y=0.3810$   $u'=0.2241$   $v'=0.5036$   
 CCT=4003K (Duv=0.0017) Dominant WL:Ld =578.2nm WL:Lc = --nm Purity=28.8%  
 Ratio:R=18.2% G=78.4% B=3.3%; Peak WL:Lp=593.8nm FWHM=153.4nm  
 Render Index:Ra=82.9 AvgR=76.3 TM30:Rf=85 Rg=96 Lav=570.2nm

R1 =81	R2 =87	R3 =93	R4 =83	R5 =81	R6 =83	R7 =87
R8 =67	R9 =12	R10=70	R11=82	R12=64	R13=82	R14=96 R15=75

### Photo Parameters:

Flux = 1773 lm Eff. : 77.86 lm/W Fe = 5.458 W

### Electrical parameters:

V = 225.13 V I = 0.2725 A P = 22.76 W PF = 0.3711  
 WHITE:ANSI\_4000K

Status: Integral T = 35 ms Ip = 47338 (72%)

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

Number:93MPL1540 BL  
 Date:2021-11-18 09:33:40  
 Humidity:65.0%  
 Remarks:7876