

# 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:** 93MFGL1840/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

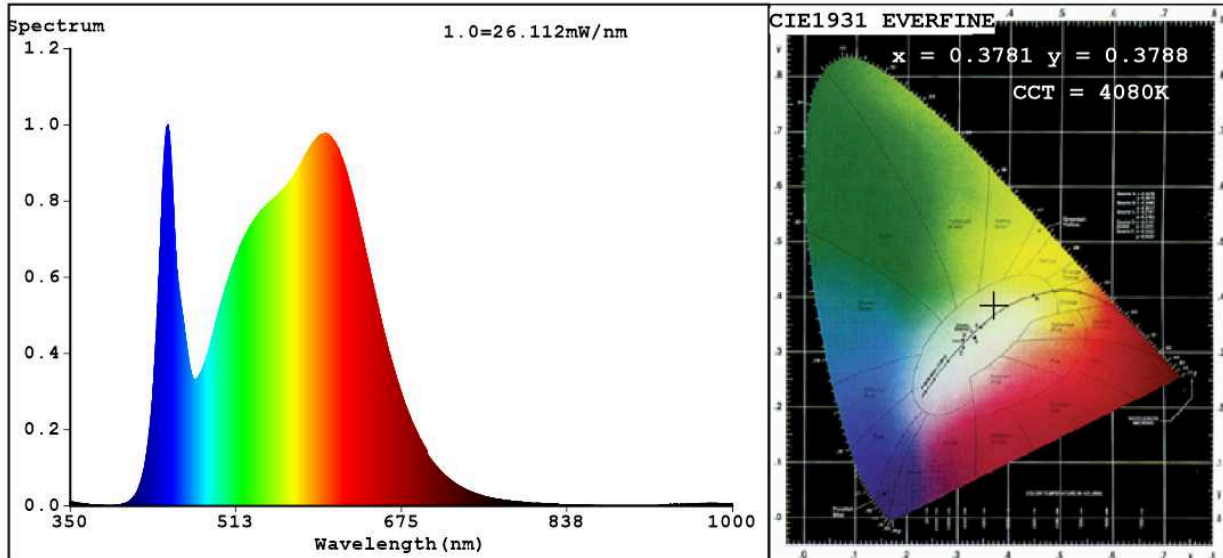
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	G
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 200 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	20,0	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	86
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)	0,378 0,378
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	445		Beam angle in degrees, or the range of beam angles that can be set	30
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	23		Survival factor	0,50
the lumen maintenance factor	0,93			

(a): not applicable;

(b): not applicable;

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3781$   $y=0.3788$   $u'=0.2227$   $v'=0.5021$   
 CCT=4080K(Duv=0.0017) Dominant WL:Ld =577.8nm WL:Lc = --nm Purity=27.1%  
 Ratio:R=18.5% G=77.6% B=3.9%; Peak WL:Lp=445.5nm FWHM=25.0nm  
 Render Index:Ra=86.5 AvgR=81.1 TM30:Rf=87 Rg=97 Lav=568.7nm

R1 =85	R2 =91	R3 =95	R4 =87	R5 =86	R6 =88	R7 =89	
R8 =71	R9 =23	R10=78	R11=87	R12=73	R13=87	R14=97	R15=79

**Photo Parameters:**

Flux = 1512 lm Eff. : 75.43 lm/W Fe = 4.717 W

**Electrical parameters:**

V = 225.18 V I = 0.2562 A P = 20.05 W PF = 0.3476  
 WHITE:ANSI\_4000K

Status: Integral T = 48 ms Ip = 47707 (73%)

Model: led floodlight  
 Tester:Atanas DAKOV  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:93MFGL1840 BL  
 Date:2021-11-17 15:02:26  
 Humidity:65.0%  
 Remarks:7876