

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: 93MFFL1840/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

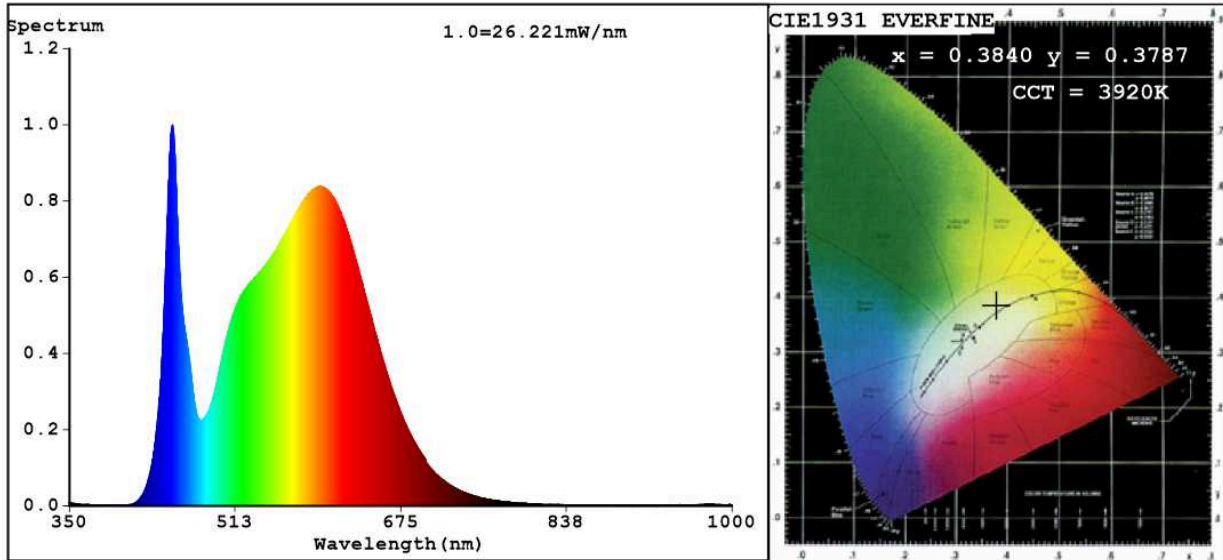
Parameter	Value	Parameter	Value	
General product parameters:				
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	G	
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 250 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	25,0	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	84	
Outer dimensions without	Height	Spectral power distribution in the	See image in last page	
	Width			402
	Depth			225

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)	0,384 0,378
Parameters for directional light sources:			
Peak luminous intensity (cd)	451	Beam angle in degrees, or the range of beam angles that can be set	120
Parameters for LED and OLED light sources:			
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: $x=0.3840$ $y=0.3787$ / $u'=0.2267$ $v'=0.5030$
 CCT=3920K (Duv=-0.0001) Dominant WL:Ld =579.4nm WL:Lc = --nm Purity=28.9%
 Ratio:R=18.8% G=77.7% B=3.5%; Peak WL:Lp=451.3nm FWHM=18.8nm
 Render Index:Ra=84.1 AvgR=77.9 TM30:Rf=85 Rg=96 Lav=571.9nm

R1 =83 R2 =90 R3 =95 R4 =83 R5 =83 R6 =86 R7 =87
 R8 =67 R9 =15 R10=76 R11=83 R12=62 R13=85 R14=97 R15=77

Photo Parameters:

Flux = 1264 lm Eff. : 50.34 lm/W Fe = 3.875 W

Electrical parameters:

V = 225.19 V I = 0.2854 A P = 25.10 W PF = 0.3906
 WHITE:ANSI_4000K

Status: Integral T = 51 ms Ip = 51276 (78%)

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

Number:93MFFL1840 BL
 Date:2021-11-17 15:43:59
 Humidity:65.0%
 Remarks:7876