

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: 93MFL2240/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

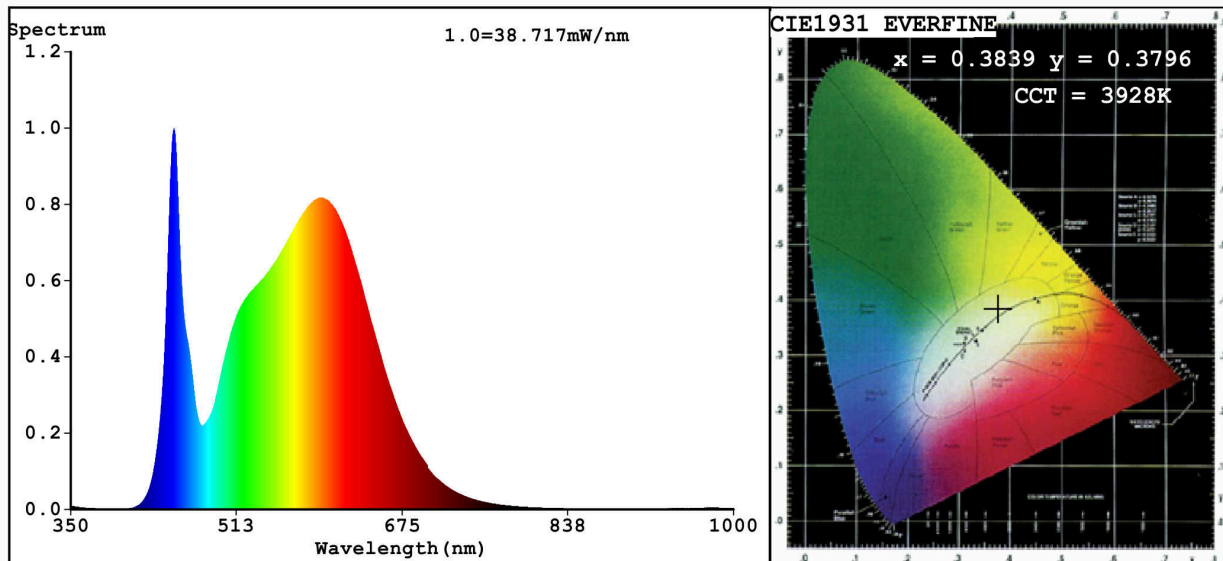
| Parameter | Value | Parameter | Value |
|--|---------------------------|--|------------------------|
| General product parameters: | | | |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer | 22 | Energy efficiency class | G |
| Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°) | 1 670 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 | 31,7 | 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 | 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 ^(a) | - | If yes, equivalent power (W) | - | |
| | | Chromaticity coordinates (x and y) | 0,383 0,376 | |
| 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 | 14 | Survival factor | 0,50 | |
| the lumen maintenance factor | 0,93 | | | |

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3839$ $y=0.3796$ $u'=0.2263$ $v'=0.5033$
 CCT=3928K (Duv=0.0003) Dominant WL: $L_d = 579.2nm$ WL: $L_c = --nm$ Purity=29.1%
 Ratio: R=18.7% G=77.8% B=3.5% Peak WL: $L_p = 451.3nm$ FWHM=18.0nm
 Render Index: $R_a = 84.0$ AvgR=77.7 TM30: $R_f = 85$ $R_g = 96$ $L_{av} = 571.7nm$

R1 =83 R2 =90 R3 =95 R4 =83 R5 =82 R6 =86 R7 =87
 R8 =66 R9 =14 R10=76 R11=82 R12=61 R13=85 R14=98 R15=77

Photo Parameters:

Flux = 1823 lm Eff. : 57.44 lm/W Fe = 5.575 W

Electrical parameters:

V = 225.02 V I = 0.3268 A P = 31.74 W PF = 0.4315

WHITE:ANSI_4000K

Status: Integral T = 35 ms Ip = 51947 (79%)

Model: LED floodlight mini
 Tester: Atanas DAKOV
 Temperature: 25.3Deg
 Manufacturer: ELMARK

Number: 93MFL2240 BL
 Date: 2021-11-18 14:00:50
 Humidity: 65.0%
 Remarks: 7876