

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: 93MFL2230/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

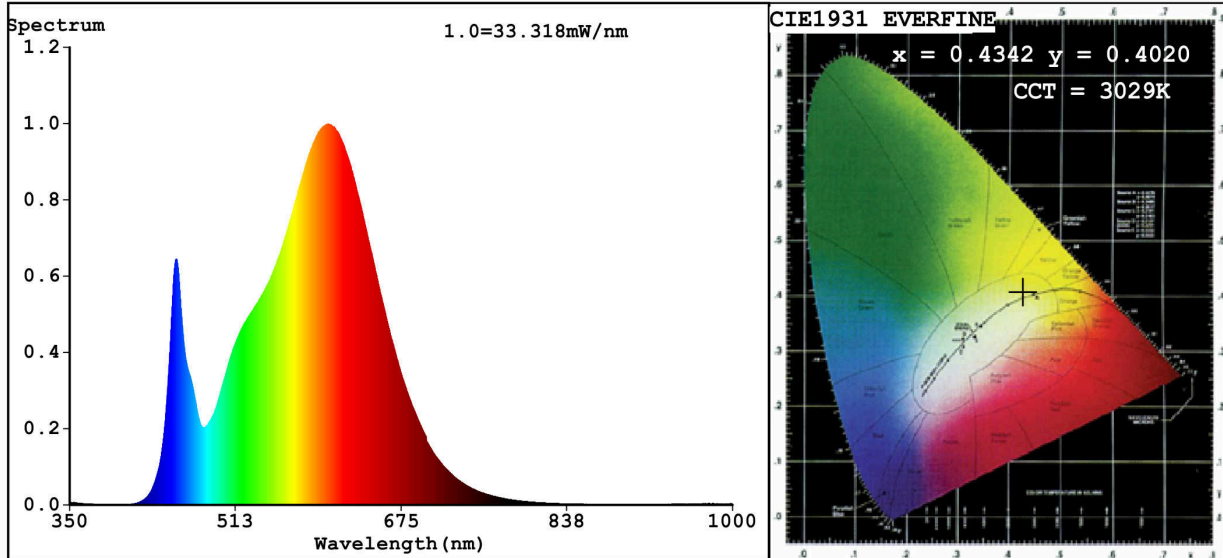
| Parameter | Value | Parameter | Value | |
|--|---------------------------|--|------------------------|-----|
| General product parameters: | | | | |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer | 22 | Energy efficiency class | G | |
| Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°) | 1 650 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 | 3 000 | |
| On-mode power (P_{on}), expressed in W | 31,5 | 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 | 83 | |
| Outer dimensions without | Height | Spectral power distribution in the | See image in last page | |
| | Width | | | 118 |
| | Depth | | | 4 |

| | | | |
|---|------|--|--------------------------------------|
| 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) | 0,434 0,402 |
| Parameters for directional light sources: | | | |
| Peak luminous intensity (cd) | 603 | 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 | 13 | Survival factor | 0,50 |
| the lumen maintenance factor | 0,93 | | |

(a): not applicable;

(b): not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4342$ $y=0.4020$ / $u'=0.2497$ $v'=0.5201$
 CCT=3029K (Duv=-0.0005) Dominant WL:Ld =582.9nm WL:Lc = --nm Purity=51.0%
 Ratio:R=22.9% G=74.4% B=2.7% ; Peak WL:Lp=603.5nm FWHM=133.5nm
 Render Index:Ra=83.5 AvgR=78.1 TM30:Rf=84 Rg=95 Lav=590.2nm

R1 =82 R2 =92 R3 =96 R4 =80 R5 =82 R6 =90 R7 =83
 R8 =61 R9 =13 R10=82 R11=80 R12=69 R13=85 R14=98 R15=76

Photo Parameters:

Flux = 1652 lm Eff. : 52.35 lm/W Fe = 5.127 W

Electrical parameters:

V = 225.01 V I = 0.3258 A P = 31.55 W PF = 0.4304

WHITE:ANSI_3000K

Status: Integral T = 35 ms Ip = 52185 (80%)

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

Number:93MFL2230 BL
 Date:2021-11-18 13:56:00
 Humidity:65.0%
 Remarks:7876