

Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light sources

Supplier's name or trade mark: STELLAR

Supplier's address: ELMARK INDUSTRIES SC, bul.Dobrudja 2, 9300 Dobrich Dobrich, BG

Model identifier: 98HELIOS150

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: | MLS | Connected light source (CLS): | No |
| Colour-tuneable light source: | No | Envelope: | - |
| High luminance light source: | Yes | | |
| Anti-glare shield: | No | Dimmable: | No |

Product parameters

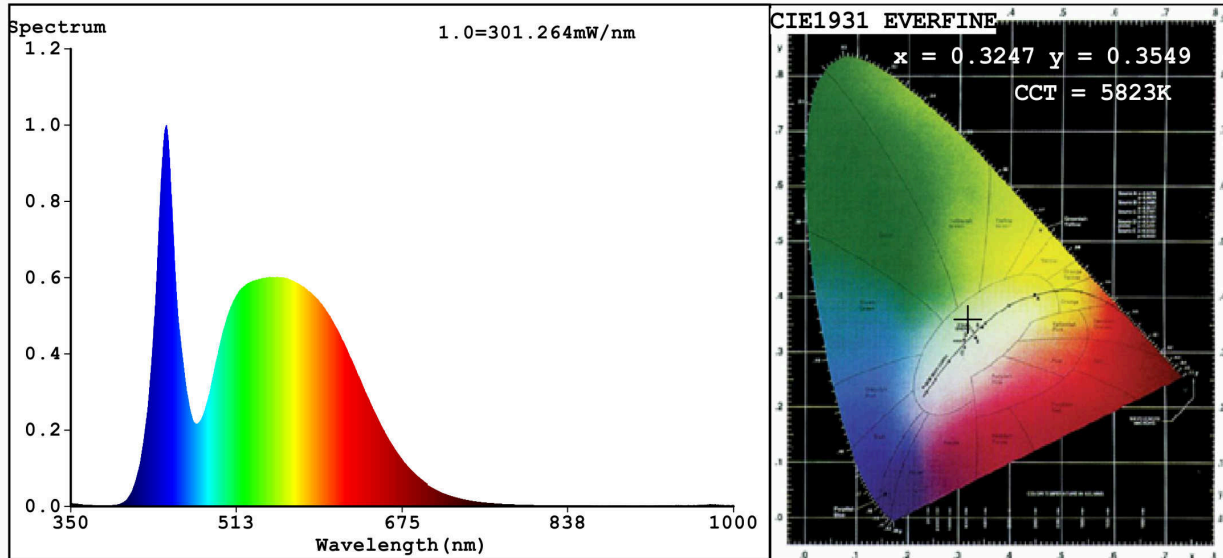
| Parameter | Value | Parameter | Value |
|--|----------------------------|--|------------------------|
| General product parameters: | | | |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer | 150 | Energy efficiency class | F |
| Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°) | 11 000 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 | 6 000 |
| On-mode power (P_{on}), expressed in W | 148,3 | Standby power (P_{sb}), expressed in W and rounded to the second decimal | 0,20 |
| 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 | 79 |
| Outer dimensions without separate control gear, lighting control | Height | Spectral power distribution in the range 250 nm to 800 nm, at full-load | See image in last page |
| | Width | | |
| | Depth | | |

| | | | | |
|---|-------|--|----------------|--|
| parts and non-lighting control parts, if any (millimetre) | | | | |
| Claim of equivalent power ^(a) | - | If yes, equivalent power (W) | - | |
| | | Chromaticity coordinates (x and y) | 0,324 0,354 | |
| Parameters for directional light sources: | | | | |
| Peak luminous intensity (cd) | 2 998 | Beam angle in degrees, or the range of beam angles that can be set | 112 | |
| Parameters for LED and OLED light sources: | | | | |
| R9 colour rendering index value | 0 | Survival factor | 0,90 | |
| the lumen maintenance factor | 0,93 | | | |
| Parameters for LED and OLED mains light sources: | | | | |
| displacement factor (cos ϕ_1) | 0,90 | Colour consistency in McAdam ellipses | 1 | |
| Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage. | -(b) | If yes then replacement claim (W) | - | |
| Flicker metric (Pst LM) | 0,0 | Stroboscopic effect metric (SVM) | 0,0 | |

(a) '-': not applicable;

(b) '-': not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3247$ $y=0.3549$ $u'=0.1965$ $v'=0.4833$
 CCT=5823K (Duv=0.0103) Dominant WL: $L_d = 528.3nm$ WL: $L_c = --nm$ Purity=4.5%
 Ratio: R=13.3% G=82.1% B=4.6% Peak WL: $L_p = 443.8nm$ FWHM=23.1nm
 Render Index: $R_a = 79.1$

| | | | | | | |
|--------|--------|--------|--------|--------|--------|---------------|
| R1 =76 | R2 =81 | R3 =88 | R4 =81 | R5 =78 | R6 =78 | R7 =85 |
| R8 =65 | R9 =0 | R10=59 | R11=81 | R12=65 | R13=76 | R14=94 R15=68 |

Photo Parameters:

Flux = 11700 lm Eff. : 78.90 lm/W Fe = 36.58 W

Electrical parameters:

V = 219.88 V I = 0.6789 A P = 148.3 W PF = 0.9934

WHITE:OUT

Status: Integral T = 2 ms Ip = 32169 (49%)

Model: LED FLOODLIGHT
 Tester: Atanas DAKOV
 Temperature: 25.3Deg
 Manufacturer: ELMARK

Number: 98HELIOS150
 Date: 2020-10-08 16:03:45
 Humidity: 65.0%
 Remarks: 6944