

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: 99XLED641W

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): | Yes |
| 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 | 18 | 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°) | 1 600 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 | 18,4 | 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 | 0,20 | Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set | 81 |
| Outer dimensions without separate control gear, lighting control | Height | 225 | Spectral power distribution in the range 250 nm to 800 nm, at full-load |
| | Width | 225 | |
| | Depth | 32 | |
| | | | See image in last page |

| | | | |
|---|------|--|----------------|
| parts and non-lighting control parts, if any (millimetre) | | | |
| Claim of equivalent power ^(a) | - | If yes, equivalent power (W) | - |
| | | Chromaticity coordinates (x and y) | 0,384 0,384 |
| Parameters for directional light sources: | | | |
| Peak luminous intensity (cd) | 437 | Beam angle in degrees, or the range of beam angles that can be set | 113 |
| Parameters for LED and OLED light sources: | | | |
| R9 colour rendering index value | 2 | Survival factor | 0,50 |
| the lumen maintenance factor | 0,96 | | |

(a) : not applicable;

(b) : not applicable;

Product Remark

| | | |
|--------------|---------------|----------------|
| Type: | NO.:0 | Manufacturer: |
| TempIn:29.8C | TempOut:28.6C | Humidity:% |
| Operator: | Time:10:07:03 | Date:2022-6-30 |

CIE Color Parameter

Chromaticity Coordinate: x=0.3847 y=0.3849 u=0.2246 v=0.3372 duv=0.0026
CCT: Tc= 3952K DominantW.: 579.0nm Purity: 31.0%
Peak Wave: 595nm Half Wave: 147.9nm RatioR=19.6% G=77.9% B=2.4%

Rending Idx: Ra= 81.5 Ra'= 74.3

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|
| R1 =79 | R2 =87 | R3 =94 | R4 =81 | R5 =79 | R6 =83 | R7 =86 | R8 =62 |
| R9 =2 | R10=70 | R11=79 | R12=61 | R13=81 | R14=97 | R15=73 | |

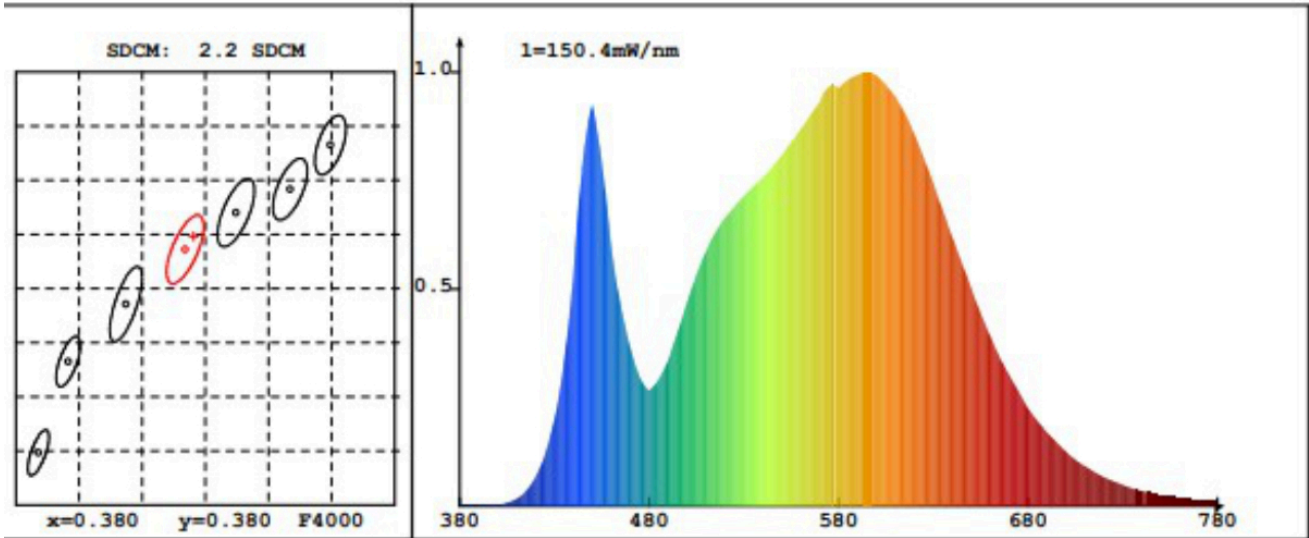


Photo Parameter

| | | |
|-----------------|------------------|------------------|
| Flux: 1666.17lm | Effice: 90.3lm/W | Lumi.Pow: 5.196W |
|-----------------|------------------|------------------|

Electrical Parameter

| | | | |
|----------------|----------------|--------------|----------|
| Voltage:221.7V | Current:0.141A | Power:18.45W | PF:0.590 |
|----------------|----------------|--------------|----------|

Instrument Status

| | | |
|-------------------------|---------------------|------------------------|
| Instrument:HopooHSP5000 | Lamp:A2846K/779.0lm | Scan Range:380nm-780nm |
| TestModel:Exact | Interval:5nm | PMT Temp:34.0C |
| Main:5 | Id:75 | Ip:21701 |
| Reference:2 | REF:9834 | Undulation:-2.349% |