

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: 99LED748

Type of light source:

| | | | |
|---|-----|---------------------------------|------|
| Lighting technology used: | LED | Non-directional or directional: | NDLS |
| Light source cap-type (or other electric interface) | E27 | | |
| Mains or non-mains: | MLS | Connected light source (CLS): | No |
| Colour-tuneable light source: | No | Envelope: | - |
| High luminance light source: | No | | |
| Anti-glare shield: | No | Dimmable: | No |

Product parameters

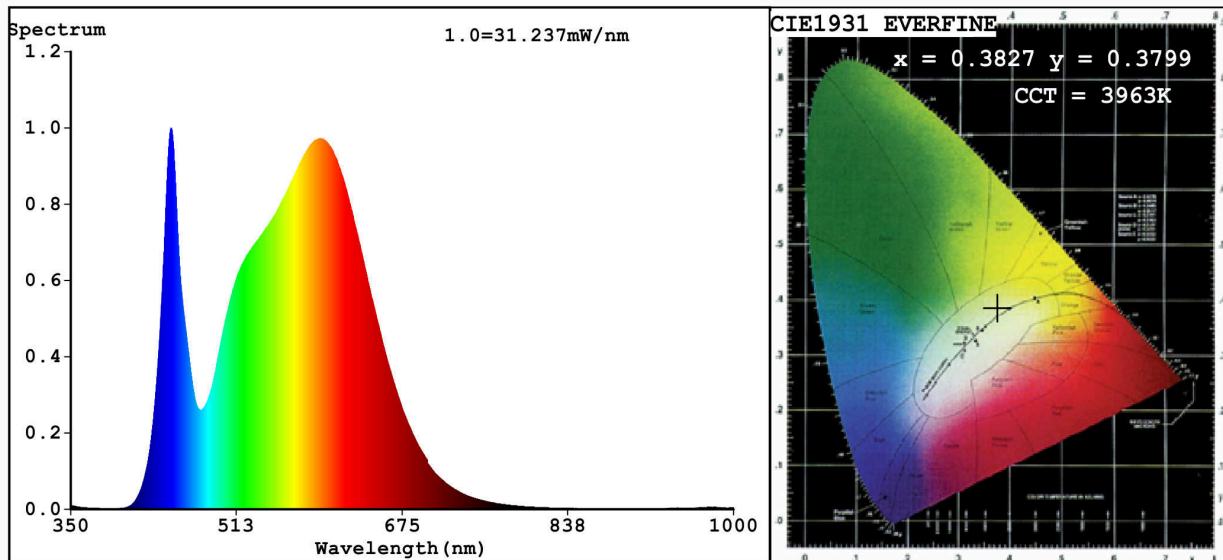
| Parameter | Value | Parameter | Value |
|---|------------------------|--|------------------------|
| General product parameters: | | | |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer | 20 | Energy efficiency class | F |
| Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°) | 1 700 in Sphere (360°) | 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 | 16,0 | 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 | 83 |
| 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) | Yes | If yes, equivalent power (W) | 120 | |
| | | Chromaticity coordinates (x and y) | 0,382 0,379 | |
| Parameters for LED and OLED light sources: | | | | |
| R9 colour rendering index value | 8 | Survival factor | 0,53 | |
| the lumen maintenance factor | 0,93 | | | |
| Parameters for LED and OLED mains light sources: | | | | |
| displacement factor (cos ϕ_1) | 0,50 | Colour consistency in McAdam ellipses | 5 | |
| Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage. | Yes ^(b) | If yes then replacement claim (W) | 100 | |
| Flicker metric (Pst LM) | 0,6 | Stroboscopic effect metric (SVM) | 0,2 | |

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3827$ $y=0.3799$ $u'=0.2253$ $v'=0.5033$
 $CCT=3963K$ ($Duv=0.0008$) Dominant WL:Ld = 578.8nm WL:Lc = --nm Purity=28.9%
 Ratio: R=18.4% G=78.2% B=3.4%; Peak WL:Lp=448.3nm FWHM=23.4nm
 Render Index: Ra=83.0

| | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|
| R1 =81 | R2 =88 | R3 =94 | R4 =83 | R5 =82 | R6 =84 | R7 =86 |
| R8 =65 | R9 =8 | R10=73 | R11=82 | R12=65 | R13=83 | R14=97 |
| | | | | | | R15=75 |

Photo Parameters:

Flux = 1747 lm Eff. : 105.60 lm/W Fe = 5.324 W

Electrical parameters:

V = 221.49 V I = 0.1387 A P = 16.54 W PF = 0.5386
 WHITE:ANSI_4000K

Status: Integral T = 28 ms Ip = 43769 (67%)

Model:LED GLOBE G120
 Tester:Atanas DAKOV
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED748
 Date:2020-07-06 14:47:05
 Humidity:65.0%
 Remarks:6496