

Product Information Sheet

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

Supplier's name or trade mark: ECO LIGHT

Supplier's address: ECO LIGHT Sp. z o.o., ul. Działkowa 2A 62-872 Borek k. Kalisza, PL

Model identifier: EC79289

Type of light source:

| | | | |
|---|-----|---------------------------------|------|
| Lighting technology used: | LED | Non-directional or directional: | NDLS |
| Light source cap-type (or other electric interface) | E14 | | |
| 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 | 7 | 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°) | 630 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 | 3 000 |
| On-mode power (P_{on}), expressed in W | 7,0 | 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 separate control gear, lighting control | Height | 100 | Spectral power distribution in the range 250 nm to 800 nm, at full-load |
| | Width | 37 | |
| | Depth | 37 | |
| | | | 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) | 0,445 0,403 |
| Parameters for LED and OLED light sources: | | | |
| R9 colour rendering index value | 14 | Survival factor | 1,00 |
| the lumen maintenance factor | 0,96 | | |
| Parameters for LED and OLED mains light sources: | | | |
| displacement factor (cos ϕ_1) | 0,50 | Colour consistency in McAdam ellipses | 3 |
| 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) | 0,1 | Stroboscopic effect metric (SVM) | 0,1 |

(a)-: not applicable;

(b)-: not applicable;

Lightsource Test Report

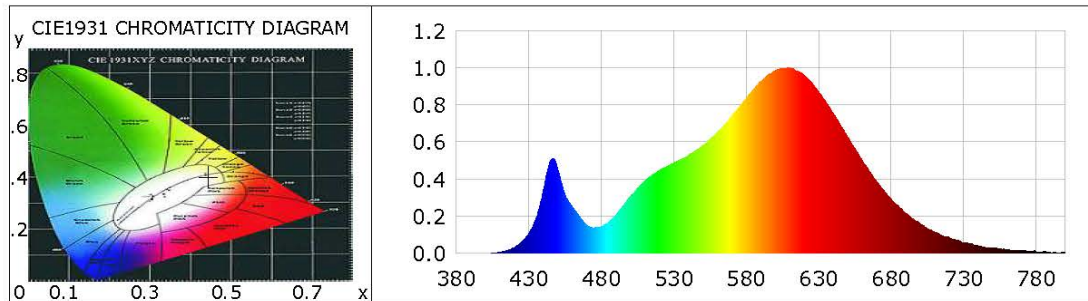
Product Information

Product Category: 7W-3000K

Product Number: 133

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4450$ $y=0.4034$ $u(u')=0.2561$ $v=0.3482$ $v'=0.5223$
 CCT: $T_c=2864K$ ($duv=-0.00128$) Color Ratio: $R=0.241$ $G=0.736$ $B=0.022$
 Peak Wavelength: 608.7nm Half Bandwidth: 126.6nm
 Dominant Wavelength: 583.9nm Color Purity: 0.546
 CRI: $R_a=83.9$ TM30: $R_f=84$, $R_g=99$
 GAI: $GAI_BB_8=99.9$, $GAI_BB_15=104.1$, $GAI_EES=53.5$
 R1 =82 R2 =91 R3 =97 R4 =83 R5 =83 R6 =90 R7 =83 R8 =61
 R9 =14 R10=79 R11=84 R12=76 R13=84 R14=99 R15=75
 Color Quality Scale: $Q_a=82.8$, $Q_f=84.0$, $Q_p=85.8$, $Q_g=94.1$
 Q1 =77 Q2 =96 Q3 =83 Q4 =83 Q5 =85 Q6 =83 Q7 =83 Q8 =86
 Q9 =96 Q10=89 Q11=86 Q12=84 Q13=83 Q14=74 Q15=75



Photometric Parameters

Luminous Flux: 625.99 lm Efficiency: 89.30 lm/W Radiant Power: 2.468 W
 EEI: 0.12 Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 230.30V Current: 0.0590A Power: 7.01W
 Power Factor: 0.5820 Frequency: 49.99Hz

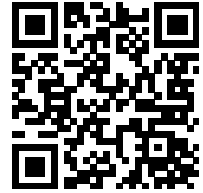
Test Information

Scan Range: 380~800:1nm Photometric Method: sphere-spectroradiometer
 Stabilization Time: 0 Min ALC.: 1.0000 Photometric Condition: Sphere diameter: 1.50m, 4T
 Max of Signal: 44491 (2897) CCD Integration Time: 391.04 ms

Condition: Tx:24.9°C, Ti:23.3°C, R.H.:60%
 Test Lab:
 Operator:

Test Device: Inventfine CMS-3000S
 Test Time: 2021-10-16 10:13:37
 Inspector:

Model placed on the Union market from 01/09/2021



EPREL registration number: 978058

<https://eprel.ec.europa.eu/qr/978058>

Supplier: ECO LIGHT SPÓŁKA Z OGRANICZONĄ ODPOWIEDZIALNOŚCIĄ (Importer)

Website: www.ecolight.pl

Customer care service:

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