

# 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:** EC79448

## 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
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	7	Energy efficiency class	F
Useful luminous flux ( $\phi_{use}$ ), 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	80	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	45	
	Depth	45	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power <sup>(a)</sup>	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,450 0,406
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	11	Survival factor	1,00
the lumen maintenance factor	0,96		
<b>Parameters for LED and OLED mains light sources:</b>			
displacement factor (cos $\phi_1$ )	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:

**CIE Colorimetric Parameters**

Chromaticity coordinates:  $x=0.4500$   $y=0.4063$   $u(u')=0.2580$   $v=0.3495$   $v'=0.5242$

CCT:  $T_c=2810K$  ( $duv=-0.00068$ )

Color Ratio:  $R=0.244$   $G=0.733$   $B=0.023$

Peak Wavelength: 607.2nm

Half Bandwidth: 122.9nm

Dominant Wavelength: 583.9nm

Color Purity: 0.570

CRI:  $R_a=83.2$

TM30:  $R_f=85$ ,  $R_g=97$

GAI:  $GAI\_BB\_8=96.5$ ,  $GAI\_BB\_15=103.5$ ,  $GAI\_EES=50.1$

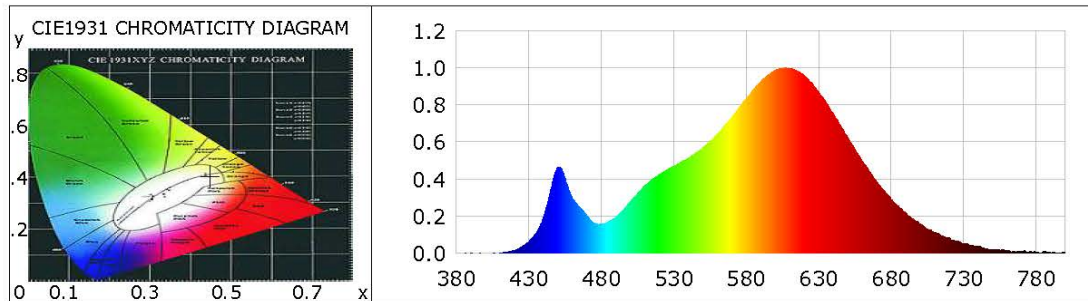
R1 =82    R2 =91    R3 =97    R4 =82    R5 =82    R6 =90    R7 =82    R8 =60

R9 =11    R10=80    R11=81    R12=74    R13=84    R14=99    R15=74

Color Quality Scale:  $Q_a=82.7$ ,  $Q_f=84.4$ ,  $Q_p=84.9$ ,  $Q_g=92.3$

Q1 =78    Q2 =95    Q3 =83    Q4 =81    Q5 =84    Q6 =84    Q7 =83    Q8 =85

Q9 =95    Q10=89    Q11=86    Q12=84    Q13=83    Q14=73    Q15=75



**Photometric Parameters**

Luminous Flux: 610.26 lm  
EEI: 0.12

Efficiency: 89.22 lm/W  
Energy Efficiency Class: A+ (EU 874-2012)

Radiant Power: 1.776 W

**Electric Parameters**

Voltage: 230.30V  
Power Factor: 0.5700

Current: 0.0440A  
Frequency: 49.99Hz

Power: 6.84W

**Test Information**

Scan Range: 380~800:1nm  
Stabilization Time: 0 Min    ALC.: 1.0000  
Max of Signal: 45265 (3102)

Photometric Method: sphere-spectroradiometer  
Photometric Condition: Sphere diameter: 1.50m, 4T  
CCD Integration Time: 618.19 ms

Condition:  $T_x:24.7^{\circ}C$ ,  $T_i:23.4^{\circ}C$ , R.H.:60%  
Test Lab:  
Operator:

Test Device: Inventfine CMS-3000S  
Test Time:  
Inspector:

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



**EPREL registration number:** 1023171

<https://eprel.ec.europa.eu/qr/1023171>

**Supplier:** ECO LIGHT SPÓŁKA Z OGRANICZONĄ ODPOWIEDZIALNOŚCIĄ (Importer)

**Website:** [www.ecolight.pl](http://www.ecolight.pl)

**Customer care service:**

**Name:** ECO LIGHT Sp. z o.o.

**Website:**

**Email:** [marcin.wos@ecolight.pl](mailto:marcin.wos@ecolight.pl)

**Phone:** 505991688

**Address:**

ul. Działkowa 2A 62-872 Borek k. Kalisza  
Poland