

# 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:** EC79561

## 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 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	6 500
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 <sup>(a)</sup>	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,324 0,352
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	1	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: 8W-6500K

Product Number:

**CIE Colorimetric Parameters**

Chromaticity coordinates:  $x=0.3244$   $y=0.3529$   $u(u')=0.1970$   $v=0.3215$   $v'=0.4823$

CCT:  $T_c=6540K$  ( $duv=0.00953$ )

Color Ratio:  $R=0.138$   $G=0.807$   $B=0.056$

Peak Wavelength: 452.3nm

Half Bandwidth: 22.9nm

Dominant Wavelength: 524.3nm

Color Purity: 0.040

CRI:  $R_a=83.1$

TM30:  $R_f=84$ ,  $R_g=93$

GAI:  $GAI\_BB\_8=85.6$ ,  $GAI\_BB\_15=91.5$ ,  $GAI\_EES=80.6$

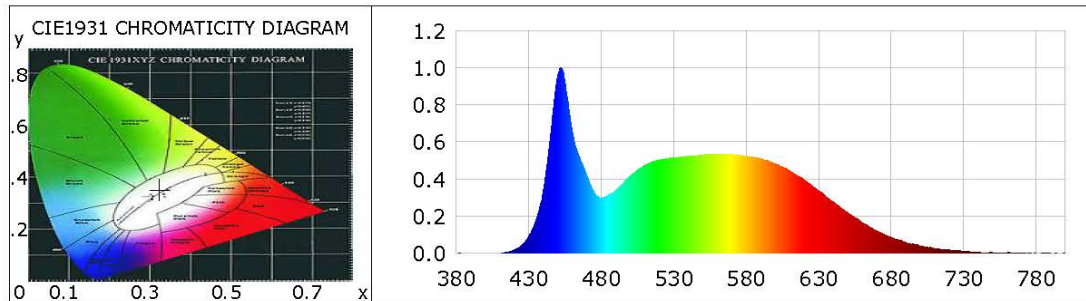
R1 =80    R2 =89    R3 =95    R4 =81    R5 =81    R6 =85    R7 =87    R8 =66

R9 =1    R10=74    R11=80    R12=59    R13=83    R14=97    R15=73

Color Quality Scale:  $Q_a=83.1$ ,  $Q_f=83.6$ ,  $Q_p=81.2$ ,  $Q_g=89.4$

Q1 =81    Q2 =97    Q3 =84    Q4 =78    Q5 =81    Q6 =82    Q7 =84    Q8 =90

Q9 =97    Q10=92    Q11=88    Q12=87    Q13=85    Q14=70    Q15=75



**Photometric Parameters**

Luminous Flux: 610.43 lm

Efficiency: 86.22 lm/W

Radiant Power: 2.453 W

EEI: 0.13

Energy Efficiency Class: A+ (EU 874-2012)

**Electric Parameters**

Voltage: 230.30V

Current: 0.0620A

Power: 7.08W

Power Factor: 0.5780

Frequency: 50.00Hz

**Test Information**

Scan Range: 380~800:1nm

Stabilization Time: 0 Min    ALC.: 1.0000

Max of Signal: 45685 (2674)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 1.50m, 4T

CCD Integration Time: 212.59 ms

Condition:  $T_x:24.8^{\circ}C$ ,  $T_i:23.3^{\circ}C$ , R.H.:60%

Test Lab:

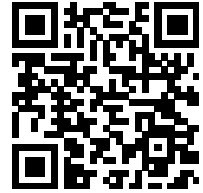
Operator:

Test Device: Inventfine CMS-3000S

Test Time: 2021-10-19 10:09:31

Inspector:

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



**EPREL registration number:** 1023145

<https://eprel.ec.europa.eu/qr/1023145>

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

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