

# 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:** EC79484

## 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
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	5	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°)	450 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	5,0	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	82
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)	0,386 0,385
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	6	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	1
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: 5W-4000K

Product Number:

**CIE Colorimetric Parameters**

 Chromaticity coordinates:  $x=0.3868$   $y=0.3851$   $u(u')=0.2259$   $v=0.3374$   $v'=0.5062$ 

 CCT:  $T_c=3895K$  ( $duv=0.00207$ )

 Color Ratio:  $R=0.185$   $G=0.781$   $B=0.034$ 

Peak Wavelength: 596.1nm

Half Bandwidth: 148.4nm

Dominant Wavelength: 578.4nm

Color Purity: 0.317

 CRI:  $R_a=82.7$ 

 TM30:  $R_f=84$ ,  $R_g=95$ 

 GAI:  $GAI\_BB\_8=89.7$ ,  $GAI\_BB\_15=96.4$ ,  $GAI\_EES=69.2$ 

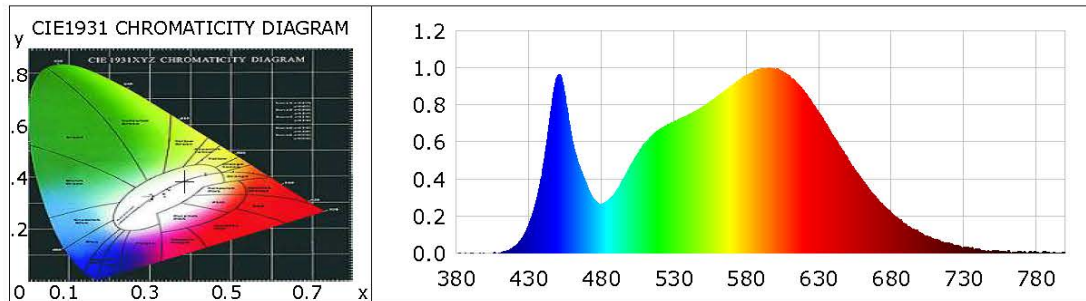
R1 =81	R2 =89	R3 =95	R4 =82	R5 =81	R6 =85	R7 =86	R8 =64
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R9 =6	R10=73	R11=81	R12=62	R13=82	R14=97	R15=74	
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 Color Quality Scale:  $Q_a=83.1$ ,  $Q_f=83.5$ ,  $Q_p=82.5$ ,  $Q_g=92.1$ 

Q1 =81	Q2 =98	Q3 =81	Q4 =78	Q5 =82	Q6 =84	Q7 =85	Q8 =89
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Q9 =98	Q10=89	Q11=86	Q12=85	Q13=84	Q14=72	Q15=75	
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**Photometric Parameters**

Luminous Flux: 457.99 lm

Efficiency: 89.98 lm/W

Radiant Power: 1.476 W

EEI: 0.12

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

**Electric Parameters**

Voltage: 230.30V

Current: 0.0400A

Power: 5.09W

Power Factor: 0.5660

Frequency: 50.00Hz

**Test Information**

Scan Range: 380~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 45252 (3066)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 1.50m, 4T

CCD Integration Time: 600.64 ms

 Condition:  $T_x:24.5^{\circ}C$ ,  $T_i:23.1^{\circ}C$ , R.H.:60%

Test Lab:

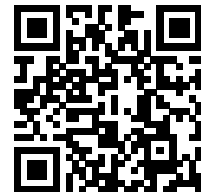
Operator:

Test Device: Inventfine CMS-3000S

Test Time:

Inspector:

Model placed on the Union market from 01/12/2021



**EPREL registration number:** 1107257

<https://eprel.ec.europa.eu/qr/1107257>

**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