

# 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:** EC79840

## 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	10	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°)	900 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	10,0	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	88	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)	0,446 0,403
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	12	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: 10W-3000K

Product Number:

**CIE Colorimetric Parameters**

Chromaticity coordinates:  $x=0.4463$   $y=0.4036$   $u(u')=0.2569$   $v=0.3484$   $v'=0.5226$

CCT:  $T_c=2844K$  ( $duv=-0.00135$ )

Color Ratio:  $R=0.243$   $G=0.734$   $B=0.024$

Peak Wavelength: 605.3nm

Half Bandwidth: 123.5nm

Dominant Wavelength: 603.4nm

Color Purity: 0.551

CRI:  $R_a=83.5$

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

GAI:  $GAI\_BB\_8=98.6$ ,  $GAI\_BB\_15=105.5$ ,  $GAI\_EES=52.2$

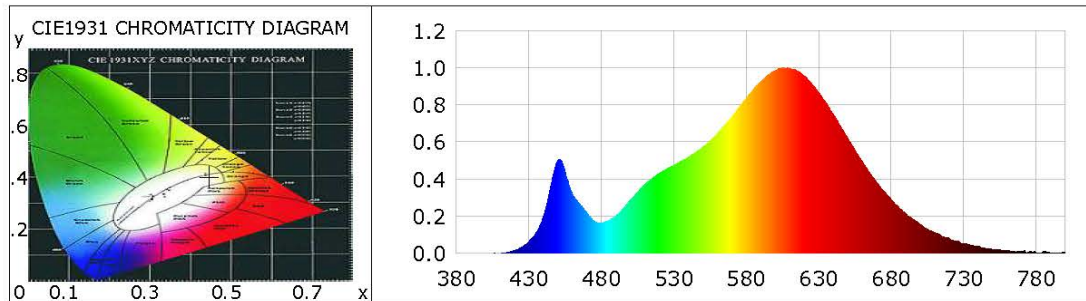
R1 =82    R2 =92    R3 =96    R4 =82    R5 =83    R6 =91    R7 =82    R8 =60

R9 =12    R10=81    R11=82    R12=74    R13=85    R14=99    R15=75

Color Quality Scale:  $Q_a=82.8$ ,  $Q_f=84.2$ ,  $Q_p=85.4$ ,  $Q_g=92.9$

Q1 =79    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=74    Q15=75



**Photometric Parameters**

Luminous Flux: 889.47 lm

Efficiency: 90.67 lm/W

Radiant Power: 1.498 W

EEI: 0.12

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

**Electric Parameters**

Voltage: 230.10V

Current: 0.0390A

Power: 9.81W

Power Factor: 0.5620

Frequency: 50.00Hz

**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: 45640 (2768)

CCD Integration Time: 628.11 ms

Condition: Tx:21.9°C, Ti:20.8°C, R.H.:60%

Test Device: Inventfine CMS-3000S

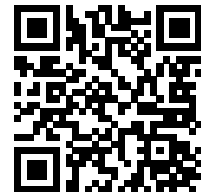
Test Lab:

Test Time: 2021-10-17 10:19:27

Operator:

Inspector:

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



**EPREL registration number:** 1108430

<https://eprel.ec.europa.eu/qr/1108430>

**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