

# 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:** EC79831

## 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	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	82
Outer dimensions without separate control gear, lighting control	Height	113	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)	0,460 0,470
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	8	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

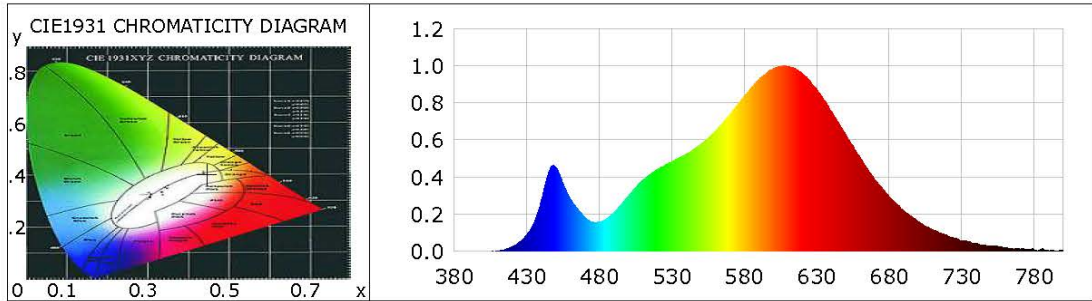
**Product Information**

Product Category: 10W-3000K

Product Number: 175

**CIE Colorimetric Parameters**

Chromaticity coordinates:  $x=0.4459$   $y=0.4042$   $u(u')=0.2564$   $v=0.3485$   $v'=0.5228$   
 CCT:  $T_c=2855K$  ( $duv=-0.00109$ ) Color Ratio:  $R=0.242$   $G=0.735$   $B=0.023$   
 Peak Wavelength: 607.4nm Half Bandwidth: 125.8nm  
 Dominant Wavelength: 583.8nm Color Purity: 0.552  
 CRI:  $R_a=84.0$  TM30:  $R_f=85$ ,  $R_g=98$   
 GAI:  $GAI\_BB\_8=98.6$ ,  $GAI\_BB\_15=104.0$ ,  $GAI\_EES=52.5$   
 R1 =83 R2 =91 R3 =97 R4 =83 R5 =83 R6 =91 R7 =83 R8 =61  
 R9 =14 R10=81 R11=83 R12=76 R13=85 R14=99 R15=75  
 Color Quality Scale:  $Q_a=83.2$ ,  $Q_f=84.6$ ,  $Q_p=85.8$ ,  $Q_g=93.4$   
 Q1 =78 Q2 =95 Q3 =84 Q4 =82 Q5 =85 Q6 =84 Q7 =84 Q8 =86  
 Q9 =95 Q10=89 Q11=87 Q12=84 Q13=84 Q14=74 Q15=75



**Photometric Parameters**

Luminous Flux: 908.11 lm Efficiency: 90.63 lm/W Radiant Power: 2.429 W  
 EEI: 0.12 Energy Efficiency Class: A+ (EU 874-2012)

**Electric Parameters**

Voltage: 230.20V Current: 0.0580A Power: 10.02W  
 Power Factor: 0.5790 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: 42968 (2847) CCD Integration Time: 383.88 ms

Condition: Tx:24.4°C, Ti:22.7°C, R.H.:60%  
 Test Lab:  
 Operator:

Test Device: Inventfine CMS-3000S  
 Test Time: 14:10:06  
 Inspector:

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



**EPREL registration number:** 1107295

<https://eprel.ec.europa.eu/qr/1107295>

**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