

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: EC79841

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
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	10	Energy efficiency class	F
Useful luminous flux (ϕ_{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	4 000
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	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 ^(a)	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,387 0,385
Parameters for LED and OLED light sources:			
R9 colour rendering index value	8	Survival factor	1,00
the lumen maintenance factor	0,96		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_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-4000K

Product Number: 161

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3870$ $y=0.3851$ $u(u')=0.2261$ $v=0.3374$ $v'=0.5062$

CCT: $T_c=3889K$ ($duv=0.00198$)

Color Ratio: $R=0.186$ $G=0.781$ $B=0.033$

Peak Wavelength: 598.8nm

Half Bandwidth: 149.6nm

Dominant Wavelength: 578.5nm

Color Purity: 0.317

CRI: $R_a=82.8$

TM30: $R_f=84$, $R_g=96$

GAI: $GAI_BB_8=90.5$, $GAI_BB_15=96.7$, $GAI_EES=69.7$

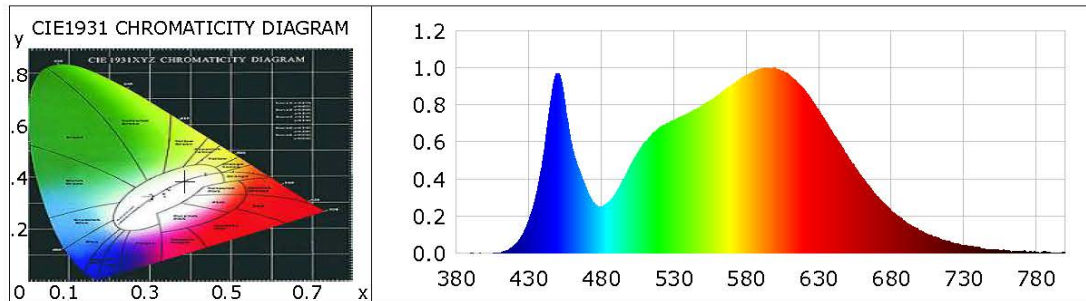
R1 =81 R2 =88 R3 =94 R4 =83 R5 =81 R6 =84 R7 =86 R8 =65

R9 =8 R10=72 R11=82 R12=63 R13=82 R14=97 R15=74

Color Quality Scale: $Q_a=83.3$, $Q_f=83.5$, $Q_p=83.0$, $Q_g=92.8$

Q1 =82 Q2 =98 Q3 =80 Q4 =78 Q5 =83 Q6 =84 Q7 =85 Q8 =89

Q9 =98 Q10=89 Q11=86 Q12=85 Q13=84 Q14=72 Q15=76



Photometric Parameters

Luminous Flux: 893.33 lm

Efficiency: 90.51 lm/W

Radiant Power: 2.364 W

EEI: 0.12

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

Electric Parameters

Voltage: 230.20V

Current: 0.0560A

Power: 9.87W

Power Factor: 0.5710

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: 48402 (2847)

CCD Integration Time: 404.01 ms

Condition: Tx:24.1°C, Ti:22.8°C, R.H.:60%

Test Device: Inventfine CMS-3000S

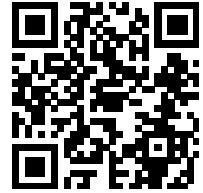
Test Lab:

Test Time:

Operator:

Inspector:

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



EPREL registration number: 1029576

<https://eprel.ec.europa.eu/qr/1029576>

Supplier: ECO LIGHT SPÓŁKA Z OGRANICZONĄ ODPOWIEDZIALNOŚCIĄ (Importer)

Website: www.ecolight.pl

Customer care service:

Name: ECO LIGHT Sp. z o.o.

Website:

Email: marcin.wos@ecolight.pl

Phone: 505991688

Address:

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