

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.zo.o., ul. Dzialkowa 2A 62-872 Borek, PolandKalisz,Poland, PL

Model identifier: EC79838

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	80
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)	0,385 0,383
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: G45-E14-10W-4000K

Product Number: EC79838

CIE Colorimetric Parameters

 Chromaticity coordinates: $x=0.3850$ $y=0.3835$ $u(u')=0.2254$ $v=0.3368$ $v'=0.5052$

 CCT: $T_c=3928K$ ($duv=0.00182$)

 Color Ratio: $R=0.185$ $G=0.781$ $B=0.035$

Peak Wavelength: 594.9nm

Half Bandwidth: 148.9nm

Dominant Wavelength: 578.4nm

Color Purity: 0.307

 CRI: $R_a=83.0$

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

 GAI: $GAI_BB_8=90.0$, $GAI_BB_15=96.8$, $GAI_EES=70.0$

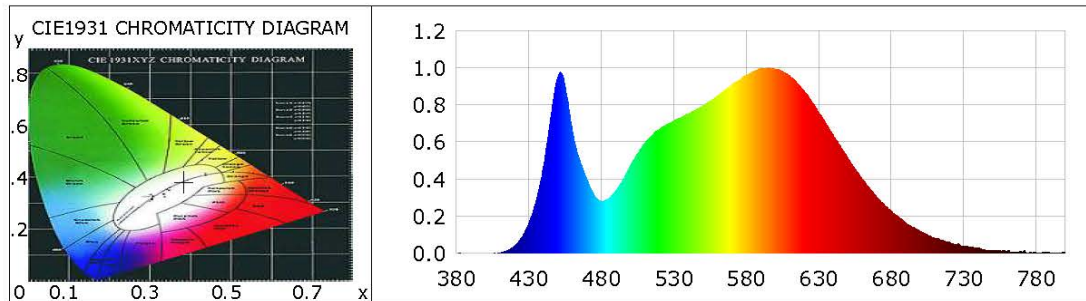
R1 =81	R2 =89	R3 =95	R4 =82	R5 =81	R6 =85	R7 =86	R8 =64
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R9 =7	R10=74	R11=81	R12=62	R13=83	R14=97	R15=75	
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 Color Quality Scale: $Q_a=83.2$, $Q_f=83.6$, $Q_p=82.6$, $Q_g=92.2$

Q1 =82	Q2 =98	Q3 =81	Q4 =78	Q5 =82	Q6 =84	Q7 =85	Q8 =89
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Q9 =98	Q10=90	Q11=87	Q12=85	Q13=84	Q14=72	Q15=76	
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Photometric Parameters

Luminous Flux: 1100.66 lm

Efficiency: 102.77 lm/W

Radiant Power: 2.367 W

EEI: 0.12

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

Electric Parameters

Voltage: 230.30V

Current: 0.0580A

Power: 10.71W

Power Factor: 0.5720

Frequency: 49.99Hz

Test Information

Scan Range: 380~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 45405 (2856)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 1.50m, 4T

CCD Integration Time: 346.40 ms

 Condition: $T_x:25.1^{\circ}C$, $T_i:23.6^{\circ}C$, R.H.:60%

Test Lab:

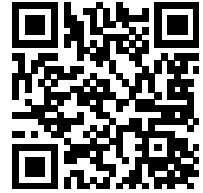
Operator:

Test Device: Inventfine CMS-3000S

Test Time: 2021-10-16 10:36:21

Inspector:

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



EPREL registration number: 1029559

<https://eprel.ec.europa.eu/qr/1029559>

Supplier: ECO LIGHT SPÓŁKA Z OGRANICZONĄ ODPOWIEDZIALNOŚCIĄ (Importer)

Website: www.ecolight.pl

Customer care service:

Name: Eco Light Sp.zo.o.

Website:

Email: marcin.wos@ecolight.pl

Phone: +48 625023206

Address:

ul. Działkowa 2A 62-872 Borek, Poland
Kalisz, Poland
Poland