

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: EC79451

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
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	7	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°)	630 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	7,0	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	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 ^(a)	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,460 0,470
Parameters for LED and OLED light sources:			
R9 colour rendering index value	14	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: 7W-3000K

Product Number: 133

CIE Colorimetric Parameters

 Chromaticity coordinates: $x=0.4450$ $y=0.4034$ $u(u')=0.2561$ $v=0.3482$ $v'=0.5223$

 CCT: $T_c=2864K$ ($duv=-0.00128$)

 Color Ratio: $R=0.241$ $G=0.736$ $B=0.022$

Peak Wavelength: 608.7nm

Half Bandwidth: 126.6nm

Dominant Wavelength: 583.9nm

Color Purity: 0.546

 CRI: $R_a=83.9$

 TM30: $R_f=84$, $R_g=99$

 GAI: $GAI_BB_8=99.9$, $GAI_BB_15=104.1$, $GAI_EES=53.5$

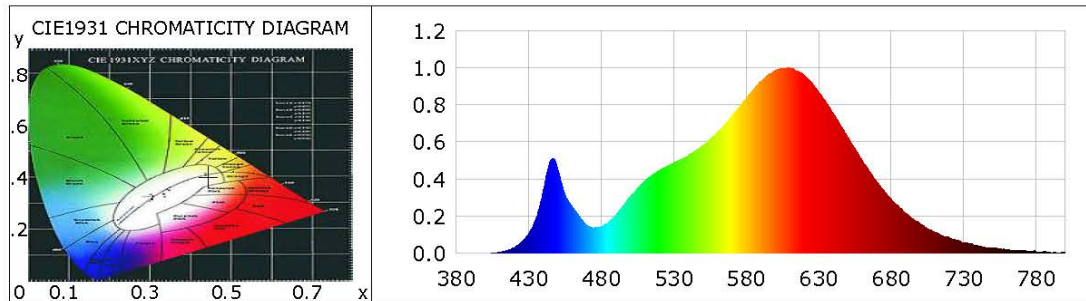
R1 =82	R2 =91	R3 =97	R4 =83	R5 =83	R6 =90	R7 =83	R8 =61
--------	--------	--------	--------	--------	--------	--------	--------

R9 =14	R10=79	R11=84	R12=76	R13=84	R14=99	R15=75	
--------	--------	--------	--------	--------	--------	--------	--

 Color Quality Scale: $Q_a=82.8$, $Q_f=84.0$, $Q_p=85.8$, $Q_g=94.1$

Q1 =77	Q2 =96	Q3 =83	Q4 =83	Q5 =85	Q6 =83	Q7 =83	Q8 =86
--------	--------	--------	--------	--------	--------	--------	--------

Q9 =96	Q10=89	Q11=86	Q12=84	Q13=83	Q14=74	Q15=75	
--------	--------	--------	--------	--------	--------	--------	--


Photometric Parameters

Luminous Flux: 625.99 lm

Efficiency: 89.30 lm/W

Radiant Power: 2.468 W

EEI: 0.12

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

Electric Parameters

Voltage: 230.30V

Current: 0.0590A

Power: 7.01W

Power Factor: 0.5820

Frequency: 49.99Hz

Test Information

Scan Range: 380~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 44491 (2897)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 1.50m, 4T

CCD Integration Time: 391.04 ms

 Condition: $T_x:24.9^{\circ}C$, $T_i:23.3^{\circ}C$, R.H.:60%

Test Lab:

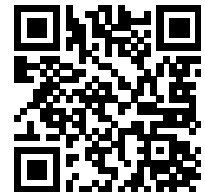
Operator:

Test Device: Inventfine CMS-3000S

Test Time: 2021-10-16 10:13:37

Inspector:

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



EPREL registration number: 1108426

<https://eprel.ec.europa.eu/qr/1108426>

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