

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., 62-872 Borek k. Kalisza NIP 618 213 63 45, PL

Model identifier: EC67704

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	3	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°)	270 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	3,0	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	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)	0,387 0,384
Parameters for LED and OLED light sources:			
R9 colour rendering index value	7	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: 3W-4000K

Product Number:

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3879$ $y=0.3843$ $u(u')=0.2270$ $v=0.3373$ $v'=0.5060$

CCT: $T_c=3860K$ ($duv=0.00139$)

Color Ratio: $R=0.187$ $G=0.779$ $B=0.033$

Peak Wavelength: 595.2nm

Half Bandwidth: 148.2nm

Dominant Wavelength: 578.9nm

Color Purity: 0.318

CRI: $R_a=82.8$

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

GAI: $GAI_BB_8=91.0$, $GAI_BB_15=97.4$, $GAI_EES=69.6$

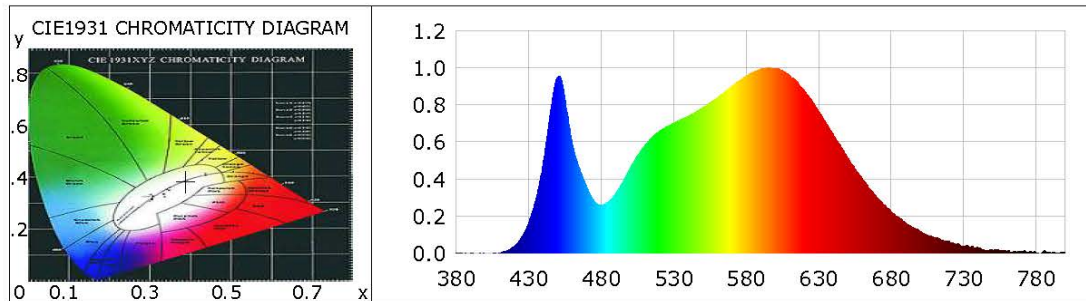
R1 =81 R2 =89 R3 =95 R4 =82 R5 =81 R6 =85 R7 =86 R8 =64

R9 =7 R10=73 R11=82 R12=63 R13=83 R14=97 R15=74

Color Quality Scale: $Q_a=83.1$, $Q_f=83.3$, $Q_p=82.8$, $Q_g=92.6$

Q1 =81 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: 262.89 lm

Efficiency: 90.34 lm/W

Radiant Power: 1.775 W

EEI: 0.11

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

Electric Parameters

Voltage: 230.30V

Current: 0.0430A

Power: 2.91W

Power Factor: 0.5830

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: 48321 (3157)

CCD Integration Time: 594.96 ms

Condition: Tx:25.1°C, Ti:23.5°C, R.H.:60%

Test Device: Inventfine CMS-3000S

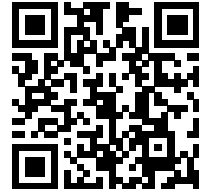
Test Lab:

Test Time:

Operator:

Inspector:

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



EPREL registration number: 759723

<https://eprel.ec.europa.eu/qr/759723>

Supplier: ECO LIGHT SPÓŁKA Z OGRANICZONĄ ODPOWIEDZIALNOŚCIĄ (Importer)

Website: www.ecolight.pl

Customer care service:

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