

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: EC79437

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	5	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°)	450 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	5,0	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)	0,380 0,380
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

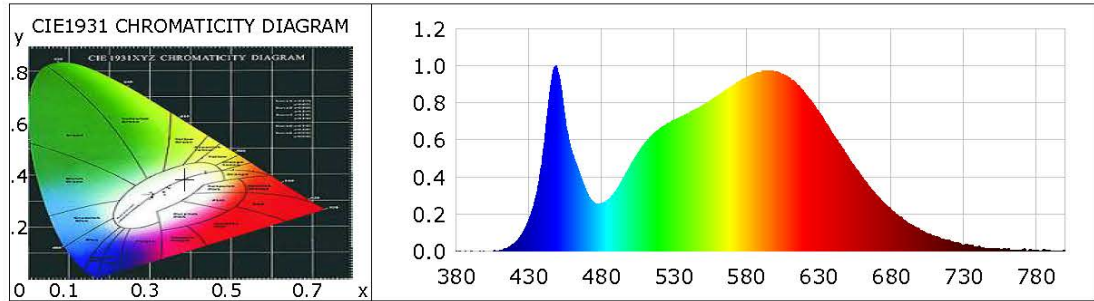
Product Information

Product Category: 5W-4000K

Product Number:

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3862$ $y=0.3849$ $u(u')=0.2256$ $v=0.3373$ $v'=0.5060$
 CCT: $T_c=3909K$ ($duv=0.00215$) Color Ratio: $R=0.185$ $G=0.782$ $B=0.033$
 Peak Wavelength: 448.7nm Half Bandwidth: 22.0nm
 Dominant Wavelength: 578.3nm Color Purity: 0.314
 CRI: $R_a=82.6$ TM30: $R_f=84$, $R_g=96$
 GAI: $GAI_BB_8=90.3$, $GAI_BB_15=96.4$, $GAI_EES=69.9$
 R1 =81 R2 =88 R3 =94 R4 =83 R5 =81 R6 =84 R7 =86 R8 =65
 R9 =7 R10=71 R11=82 R12=62 R13=82 R14=97 R15=74
 Color Quality Scale: $Q_a=83.2$, $Q_f=83.4$, $Q_p=82.9$, $Q_g=92.8$
 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: 462.87 lm Efficiency: 90.23 lm/W Radiant Power: 1.533 W
 EEI: 0.11 Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 230.30V Current: 0.0410A Power: 5.13W
 Power Factor: 0.5690 Frequency: 49.99Hz

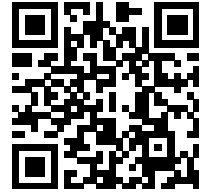
Test Information

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: 45175 (2936) CCD Integration Time: 490.05 ms

Condition: Tx:24.3°C, Ti:22.7°C, R.H.:60%
 Test Lab:
 Operator:

Test Device: Inventfine CMS-3000S
 Test Time:
 Inspector:

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



EPREL registration number: 1154372

<https://eprel.ec.europa.eu/qr/1154372>

Supplier: ECO LIGHT SPÓŁKA Z OGRANICZONĄ ODPOWIEDZIALNOŚCIĄ (Importer)

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