

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: EC79837

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	3 000
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)	0,450 0,410
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 Number: 5

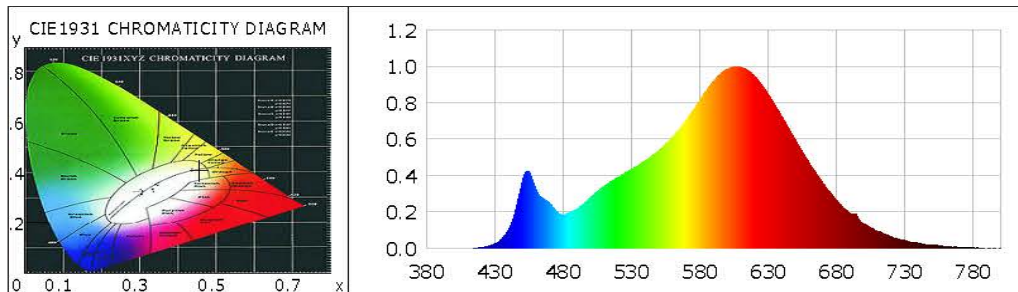
CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4567$ $y=0.4100$ $u(u')=0.2607$ $v=0.3511$ $v'=0.5266$
 CCT: $T_c=2940K$ ($duv=0.00004$) Color Ratio: $R=0.249$ $G=0.726$ $B=0.025$
 Peak Wavelength: 608.0nm Half Bandwidth: 113.4nm
 Dominant Wavelength: 603.4nm Color Purity: 0.602
 CRI: $R_a=82.5$ TM30: $R_f=84$, $R_g=94$

R1 =82	R2 =93	R3 =94	R4 =80	R5 =82	R6 =93	R7 =80	R8 =56
R9 =7	R10=84	R11=80	R12=75	R13=84	R14=98	R15=73	

Color Quality Scale: $Q_a=82.8$, $Q_f=85.1$, $Q_p=83.6$, $Q_g=89.3$

Q1 =78	Q2 =93	Q3 =86	Q4 =81	Q5 =83	Q6 =84	Q7 =84	Q8 =86
Q9 =94	Q10=92	Q11=88	Q12=85	Q13=83	Q14=72	Q15=74	



Photometric Parameters

Luminous Flux: 902.36 lm Efficiency: 90.78 lm/W Radiant Power: 2.733 W
 EEI: 0.14 Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 230.80V Current: 0.0740A Power: 9.94W
 Power Factor: 0.5610 Frequency: 49.99Hz

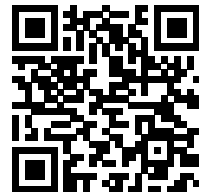
Test Information

Scan Range: 380~800:1nm	Photometric Method: sphere-spectroradiometer
Stabilization Time: 0 Sec	Photometric Condition: Sphere diameter: 1.50m, 4π
Max of Signal: 461.02 (2629)	CCD Integration Time: 220.85 ms

Condition: $T_x:25.5^{\circ}C$, $T_i:24.3^{\circ}C$, R.H.:60%
 Test Lab:
 Operator:

Test Device: Inventfine CMS-2S (Plus)
 Test Time: 2022-02-07 15:29:34
 Inspector:

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



EPREL registration number: 1155360

<https://eprel.ec.europa.eu/qr/1155360>

Supplier: ECO LIGHT SPÓŁKA Z OGRANICZONĄ ODPOWIEDZIALNOŚCIĄ (Importer)

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Customer care service:

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