

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: EC79559

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	6 500
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	81
Outer dimensions without separate control gear, lighting control	Height	80	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)	0,329 0,346
Parameters for LED and OLED light sources:			
R9 colour rendering index value	5	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-6500K

Product Number:

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3219$ $y=0.3462$ $u(u')=0.1978$ $v=0.3190$ $v'=0.4785$

CCT: $T_c=5968K$ ($duv=0.00739$)

Color Ratio: $R=0.136$ $G=0.815$ $B=0.049$

Peak Wavelength: 449.3nm

Half Bandwidth: 23.4nm

Dominant Wavelength: 507.2nm

Color Purity: 0.035

CRI: $R_a=81.7$

TM30: $R_f=83$, $R_g=96$

GAI: $GAI_BB_8=89.3$, $GAI_BB_15=94.3$, $GAI_EES=84.7$

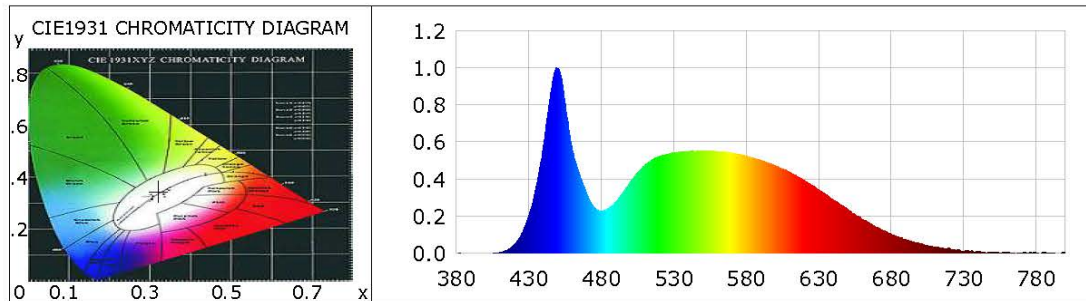
R1 =79 R2 =85 R3 =89 R4 =82 R5 =80 R6 =80 R7 =88 R8 =70

R9 =5 R10=64 R11=81 R12=58 R13=80 R14=94 R15=74

Color Quality Scale: $Q_a=82.2$, $Q_f=82.2$, $Q_p=82.6$, $Q_g=92.1$

Q1 =85 Q2 =98 Q3 =78 Q4 =75 Q5 =81 Q6 =83 Q7 =85 Q8 =90

Q9 =96 Q10=86 Q11=83 Q12=83 Q13=83 Q14=71 Q15=76



Photometric Parameters

Luminous Flux: 623.64 lm

Efficiency: 88.46 lm/W

Radiant Power: 1.802 W

EEI: 0.12

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

Electric Parameters

Voltage: 230.30V

Current: 0.0440A

Power: 7.05W

Power Factor: 0.5750

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: 46044 (2825)

CCD Integration Time: 353.01 ms

Condition: Tx:24.6°C, Ti:23.3°C, R.H.:60%

Test Device: Inventfine CMS-3000S

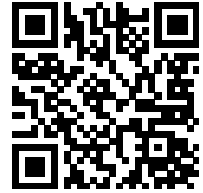
Test Lab:

Test Time: 2021-10-16 09:57:03

Operator:

Inspector:

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



EPREL registration number: 1024559

<https://eprel.ec.europa.eu/qr/1024559>

Supplier: ECO LIGHT SPÓŁKA Z OGRANICZONĄ ODPOWIEDZIALNOŚCIĄ (Importer)

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Customer care service:

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