

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: Dział Zakupów, Działkowa 2a, 62-872 Godziesze Wielkie Borek Wielkopolska, PL

Model identifier: EC79749

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	G13		
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
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General product parameters:

Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	D
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°)	2 430 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	18,0	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	80
Outer dimensions without separate control gear, light-	Height	1 200	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	28	
	Depth	28	
			See image in last page

ing control parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,384 0,389
Parameters for LED and OLED light sources:			
R9 colour rendering index value	12	Survival factor	1,00
the lumen maintenance factor	0,96		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	0,60	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;

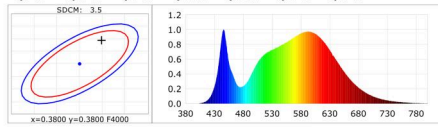
Lightsource Test Report

Product Information

Product Type: 18W 4000K 130LM/W

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3848$ $y=0.3894$ $u'(u)=0.2230$ $v'(v)=0.3384$ $v''(v)=0.5077$
 CCT: $T_c=2976K$ ($duv=0.00454$) Color Ratio: $R=0.178$ $G=0.790$ $B=0.031$
 Peak Wavelength: 446.0nm Half Bandwidth: 20.0nm
 Dominant Wavelength: 577.0nm Color Purity: 0.324
 CRI: $R_a=80.7$ TM30: $R_f=93$ $R_g=96$
 R1=78 R2=85 R3=93 R4=92 R5=79 R6=81 R7=86 R8=62
 R9=12 R10=67 R11=81 R12=62 R13=76 R14=96 R15=71
 Color Quality Scale: $Q_a=82.5$ $Q_f=82.9$ $Q_p=81.8$ $Q_g=91.8$
 Q1=80 Q2=98 Q3=81 Q4=79 Q5=83 Q6=83 Q7=84 Q8=89
 Q9=97 Q10=88 Q11=86 Q12=84 Q13=84 Q14=70 Q15=74



Photometric Parameters

Luminous Flux: 2522.41lm Efficiency: 129.30lm/W Radiant Power: 6.536 W
 EEI: 0.11 Energy Efficiency Class: A++ (EU874-2012)
 PAR: 6.412W PPF: 30.0 (umol/s) R/B: 1.5
 Photons1: 5.009 umol/s(400-500nm) Photons2: 10.518 umol/s(600-700nm)

Electric Parameters

Voltage: 230.20V Current: 0.1350A Power: 17.42W
 Power Factor: 0.5600 Frequency: 49.99Hz

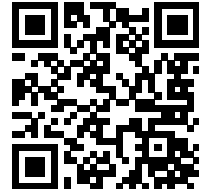
Test Information

Scan Range: 380-800.1nm Photometric Method: sphere-photometer (spec_rev)
 Stabilization Time: 15 Min Photometric Condition: Sphere diameter: 2.00m, 4Tl
 Max of Signal: 44913 (2267) CCD Integration Time: 322.97 ms

Condition: Tx:25.5°C, Tl:10.9°C, R.H.:60
 %Test Lab:
 Operator:

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

Model placed on the Union market from 15/06/2020



EPREL registration number: 828120

<https://eprel.ec.europa.eu/qr/828120>

Supplier: ECO LIGHT SPÓŁKA Z OGRANICZONĄ ODPOWIEDZIALNOŚCIĄ (Manufacturer)

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