

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: EC79750

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	6 500
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)	0,435 0,405
Parameters for LED and OLED light sources:			
R9 colour rendering index value	15	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;

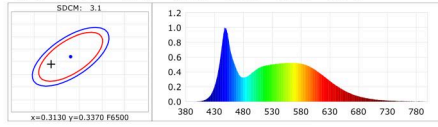
Lightsource Test Report

Product Information

Product Type: 18W 6500K 130LM/W

CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3087 y=0.3341 u'(u')=0.1932 v'(v')=0.3136 v''=0.4704
 CCT: Tc=6680K (duv=0.00777) Color Ratio: R=0.125 G=0.815 B=0.060
 Peak Wavelength: 448.3nm Half Bandwidth: 25.7nm
 Dominant Wavelength: 492.1nm Color Purity: 0.083
 CRI: Ra= 81.5 TM30: Rf= 93, Rp= 93
 R1 =78 R2 =87 R3 =93 R4 =80 R5 =80 R6 =83 R7 =87 R8 =64
 R9 =12 R10=70 R11=79 R12=62 R13=80 R14=96 R15=71
 Color Quality Scale: Qa= 81.0, Qf= 81.4, Qp= 79.8, Qz= 88.8
 Q1 =81 Q2 =99 Q3 =82 Q4 =76 Q5 =80 Q6 =81 Q7 =84 Q8 =89
 Q9 =97 Q10=89 Q11=84 Q12=82 Q13=81 Q14=66 Q15=72



Photometric Parameters

Luminous Flux: 2280.79lm Efficiency: 129.37lm/W Radiant Power: 5.851 W
 EEI: 0.13 Energy Efficiency Class: A+ (EU874-2012) R/B: 0.5
 PAR: 5.795W PPF: 25.86umol/s
 Photons1: 7.814 umol/s(400~500nm) Photons2: 5.675 umol/s(600~700nm)

Electric Parameters

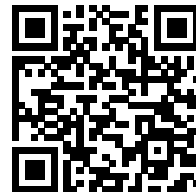
Voltage: 230.20V Current: 0.1350A Power: 17.63W
 Power Factor: 0.5670 Frequency: 49.99Hz

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: 43992 (2305) CCD Integration Time: 224.14 ms

Condition: Tx:25.8°C, Tl:10.4°C, R.H.:60 Test Device: Inventfine CMS-3000S
 %Test Lab: Test Time:
 Operator: Inspector:

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



EPREL registration number: 828130

<https://eprel.ec.europa.eu/qr/828130>

Supplier: ECO LIGHT SPÓŁKA Z OGRANICZONĄ ODPOWIEDZIALNOŚCIĄ (Manufacturer)

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