

Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light sources

Supplier's name or trade mark: blomus GmbH

Supplier's address: Kundenservice, Zur Hubertushalle 4, 59846 Sundern, DE

Model identifier: IRIS

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	LED-Module		
Mains or non-mains:	NMLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	Yes

Product parameters

Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	2	Energy efficiency class	G
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°)	115 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	2 700 or 4 000
On-mode power (P_{on}), expressed in W	1,5	Standby power (P_{sb}), expressed in W and rounded to the second decimal	-
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	83
Outer dimensions without separate control gear, lighting control	Height	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width		
	Depth		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,460 0,415	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	14	Survival factor	-	
the lumen maintenance factor	0,96			

(a) : not applicable;

(b) : not applicable;

Report of Spectroradiometric & Electric Analysis for Light Source

Model No.:

Sample SN:

Manufacturer:

Tested By:

Description:

Test Report No.:

Date:

Reviewed By:

Test Condition

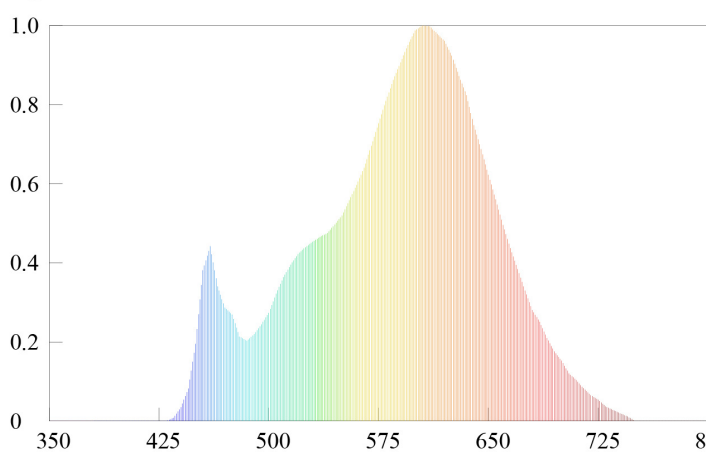
Temperature: 25°C

Spectrum Range: 350-800 nm

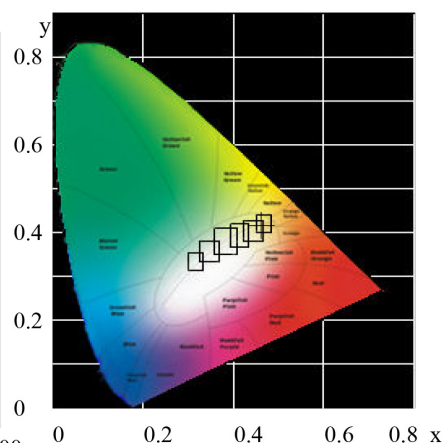
RH: 58%

Scan Step: 5 nm

Spectroradiometric Parameters



Spectral Distribution



CIE1931 Chromaticity Diagram

Chromaticity Coordinates: $x=0.4600$ $y=0.4158$ $u'=0.2602$ $v'=0.5293$

Correlated Color Temperature: 2739 K

Colour Fidelity Index: $R_f=81$

Luminous Flux: 116.52 lm

Chromaticity Difference: $+0.00191$ Duv

Color Ratio: $K_r=47.6\%$ $K_g=45.2\%$ $K_b=7.1\%$

Bandwidth: 109.6nm

Photosynthetically Active Radiation(PAR): 0.25W

Rendering Index: $R_a=84.2$

$R_1=84$ $R_2=95$ $R_3=93$ $R_4=82$ $R_5=84$ $R_6=95$ $R_7=81$ $R_8=60$

$R_9=14$ $R_{10}=89$ $R_{11}=83$ $R_{12}=74$ $R_{13}=88$ $R_{14}=97$ $R_{15}=75$ $R_e=80$

Dominant Wavelength: 582.0 nm(E)

Gamut Index: $R_g=90$

Purity: 0.6310

Peak Wavelength: 605.0 nm

Color Tolerance(SDCM): 2.0089

Radiant Flux: 0.258 W

Photosynthetic Photon Flux(PPF): $1.25 \mu\text{mol/s}$

Electric Parameters

Voltage: 5.00 V

Power Factor: 1.000

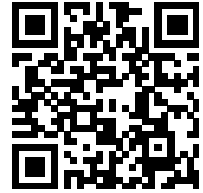
Luminous Efficacy: 80.2 lm/W

Current: 0.290 A

Power: 1.45 W

SENSING Instruments Co.,Ltd

Model placed on the Union market from 01/01/2024



EPREL registration number: 1817144

<https://eprel.ec.europa.eu/qr/1817144>

Supplier: blomus GmbH (Importer)

Website: www.blomus.com

Customer care service:

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