

Product Information Sheet

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

Supplier's name or trade mark: Voltolux

Supplier's address: Quality Management / Qualitätsmanagement, BAHAG AG Service Center
Deutschland Gutenbergstr. 21 68167 Mannheim

Model identifier: 25358474

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	GU10		
Mains or non-mains:	MLS	Connected light source (CLS):	Nein
Colour-tuneable light source:	Nein	Envelope:	-
High luminance light source:	Nein		
Anti-glare shield:	Nein	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	5	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°)	450 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
On-mode power (P_{on}), expressed in W	5,0	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	Height	Spectral power distribution in the	See image in last page
	Width		

without separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)	Depth	50	range 250 nm to 800 nm, at full-load	
Claim of equivalent power ^(a)		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,463 0,420
Parameters for LED and OLED light sources:				
R9 colour rendering index value		0	Survival factor	1,00
the lumen maintenance factor		0,97		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)		0,94	Colour consistency in McAdam ellipses	4
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)	0,7

(a)-: not applicable;

(b)-: not applicable;

Name	Value	Unit
Φ	1.390E00	Watts
$\Phi(v)$	4.570E02	lumens
$\Phi(v')$	5.596E02	lm'
Chrom x	0.4569	
Chrom y	0.4191	
Chrom u	0.2568	
Chrom v	0.3534	
Duv	0.0034	
Chrom u'	0.2568	
Chrom v'	0.5301	
λ (peak)	603.4	nm
λ (center)	597.5	nm
λ (centroid)	588.4	nm
λ (dom)	582.6	nm
FWHM	121.2	nm
Purity	63.0	%
CCT	2806.0	°K
SDCM	3.8 F 2700	
Correlation	0.0054	
Corr. Coef.	0.00343117448081639	
RA	81.0207535750866	
R1	78.4	
R2	89	
R3	97.3	
R4	79.3	
R5	78.6	
R6	87.5	
R7	82.6	
R8	55.6	
R9	-0.4	
R10	76	
R11	78.5	
R12	71.7	
R13	80.6	
R14	98.9	

