

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: 23185001

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
-----------	-------	-----------	-------

General product parameters:

Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	4	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°)	370 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	4,0	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	Height	Spectral power distribution in the	See image in last page
	Width		
			50

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)	0,313 0,337
Parameters for LED and OLED light sources:				
R9 colour rendering index value		3	Survival factor	1,00
the lumen maintenance factor		0,96		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)		0,93	Colour consistency in McAdam ellipses	1
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)		0,0	Stroboscopic effect metric (SVM)	0,0

(a)-: not applicable;

(b)-: not applicable;

Name	Value	Unit
Φ	1.271E00	Watts
$\Phi(v)$	3.946E02	lumens
$\Phi(v)$	8.927E02	lm'
Chrom x	0.3145	
Chrom y	0.3385	
Chrom u	0.1956	
Chrom v	0.3157	
Duv	0.0069	
Chrom u'	0.1956	
Chrom v'	0.4736	
λ (peak)	454.1	nm
λ (center)	455.9	nm
λ (centroid)	541.1	nm
λ (dom)	495.3	nm
FWHM	27.1	nm
Purity	6.0	%
CCT	6343.0	°K
SDCM	1.1 F 6500	
Correlation	0.0054	
Corr. Coef.	0.00389859795243878	
RA	83.0133024392754	
R1	80.2	
R2	89.1	
R3	93.8	
R4	80.3	
R5	80.8	
R6	84.3	
R7	87.9	
R8	67.6	
R9	2.6	
R10	73.7	
R11	79.2	
R12	59.6	
R13	83	
R14	96.9	

