

# 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:** 23653614

## Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	G9		
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:

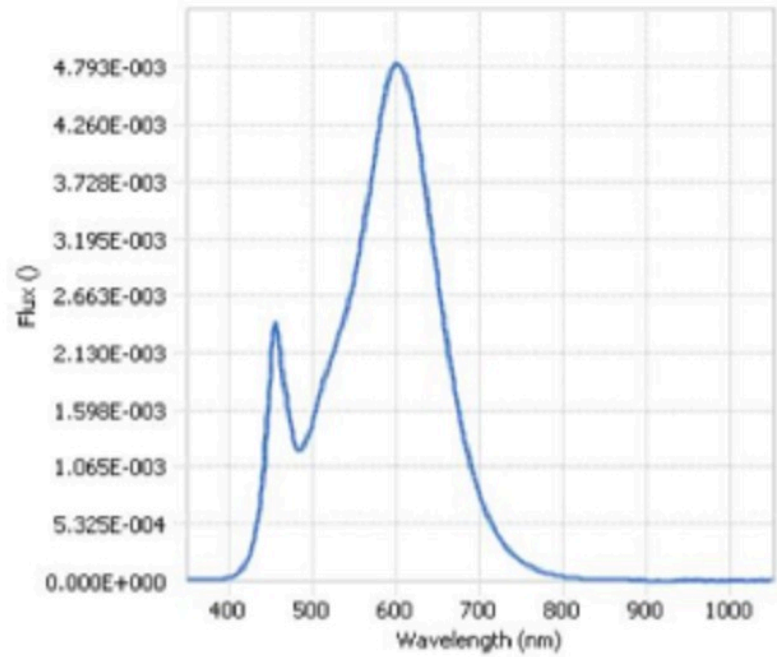
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	3	Energy efficiency class	G
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	230 in Sphere (360°)	Correlated colour temperature, rounded to the nearest 100 K, or the range of correlated colour temperatures, rounded to the nearest 100 K, that can be set	3 000
On-mode power ( $P_{on}$ ), expressed in W	3,0	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	82
Outer dimensions	Height	Spectral power distribution in the	See image in last page
	Width		
			16

without separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)	Depth	16	range 250 nm to 800 nm, at full-load	
Claim of equivalent power <sup>(a)</sup>		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,440 0,403
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value		5	Survival factor	1,00
the lumen maintenance factor		0,86		
<b>Parameters for LED and OLED mains light sources:</b>				
displacement factor (cos $\phi_1$ )		0,00	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)		0,0	Stroboscopic effect metric (SVM)	0,0

(a)-: not applicable;

(b)-: not applicable;

Name	Value	Unit
$\Phi$	7.273E-01	Watts
$\Phi(v)$	2.330E02	lumens
$\Phi(v')$	3.186E02	lm'
Chrom x	0.4352	
Chrom y	0.3974	
Chrom u	0.2523	
Chrom v	0.3456	
Duv	0.0026	
Chrom u'	0.2523	
Chrom v'	0.5185	
$\lambda$ (peak)	600.4	nm
$\lambda$ (center)	596.8	nm
$\lambda$ (centroid)	582.6	nm
$\lambda$ (dom)	583.8	nm
FWHM	120.6	nm
Purity	49.9	%
CCT	2973.0	°K
SDCM	2.7 F 3000	
Correlation	0.0054	
Corr. Coef.	0.00245317351763283	
RA	81.6198546652091	
R1	80.7	
R2	93.1	
R3	92.8	
R4	77.5	
R5	81.2	
R6	91.4	
R7	79.9	
R8	56.4	
R9	5.4	
R10	84.1	
R11	75.9	
R12	75.8	
R13	83.9	
R14	96.8	



CIE 1931, 2 Degree

