

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: Qualitätsmanagement, BAHAG AG Service Center Deutschland Gutenbergstr. 21 68167 Mannheim

Model identifier: 25457751

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
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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	3 000
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	82
Outer dimensions	Height	Spectral power distribution in the	See image in last page
	Width		
			17

without separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)	Depth	17	range 250 nm to 800 nm, at full-load	
Claim of equivalent power ^(a)		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,440 0,403
Parameters for LED and OLED light sources:				
R9 colour rendering index value		7	Survival factor	1,00
the lumen maintenance factor		0,97		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)		0,95	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)		0,0	Stroboscopic effect metric (SVM)	0,0

(a)-: not applicable;

(b)-: not applicable;

Name	Value	Unit
Φ	1.156E00	Watts
$\Phi(v)$	3.768E02	lumens
$\Phi(v')$	5.310E02	lm'
Chrom x	0.4331	
Chrom y	0.4036	
Chrom u	0.2483	
Chrom v	0.3471	
Duv	0.0003	
Chrom u'	0.2483	
Chrom v'	0.5206	
λ (peak)	600.7	nm
λ (center)	593.6	nm
λ (centroid)	581.0	nm
λ (dom)	582.4	nm
FWHM	125.1	nm
Purity	51.2	%
CCT	3060.0	$^{\circ}\text{K}$
SDCM	4.5 F 3000	
Correlation	0.0054	
Corr. Coef.	0.00040403175333911	
RA	82.54571417533911	
R1	81.7	
R2	93.6	
R3	93	
R4	78.7	
R5	82	
R6	92.4	
R7	80.9	
R8	57.9	
R9	7.2	
R10	85.3	
R11	77.9	
R12	72.9	
R13	84.9	
R14	96.8	

