

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: 25350896

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	4	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°)	300 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	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		

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		-1	Survival factor	1,00
the lumen maintenance factor		0,97		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)		0,93	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
Φ	1.002E00	Watts
$\Phi(v)$	3.316E02	lumens
$\Phi(v')$	4.093E02	lm'
Chrom x	0.4587	
Chrom y	0.4204	
Chrom u	0.2574	
Chrom v	0.3539	
Duv	0.0036	
Chrom u'	0.2574	
Chrom v'	0.5309	
λ (peak)	603.4	nm
λ (center)	598.6	nm
λ (centroid)	589.0	nm
λ (dom)	582.6	nm
FWHM	117.2	nm
Purty	63.9	%
CCT	2790.0	°K
SDCM	3 F 2700	
Correlation	0.0054	
Corr. Coef.	0.00371193993746923	
RA	80.4739633881898	
R1	78.3	
R2	90.3	
R3	95.4	
R4	77	
R5	78.3	
R6	89.2	
R7	81.1	
R8	54.1	
R9	-1.7	
R10	78.5	
R11	75.7	
R12	69.9	
R13	81	
R14	98	

