

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, BAHAG AG Service Center Deutschland Gutenbergstr. 21 68167 Mannheim

Model identifier: 22828543

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	GU5.3		
Mains or non-mains:	NMLS	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°)	250 in Wide cone (120°)	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	3,5	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 directional light sources:				
Peak luminous intensity (cd)		120	Beam angle in degrees, or the range of beam angles that can be set	110
Parameters for LED and OLED light sources:				
R9 colour rendering index value		2	Survival factor	1,00
the lumen maintenance factor		0,96		

(a) '-': not applicable;

(b) '-': not applicable;

Name	Value	Unit
Φ	1.037E00	Watts
$\Phi(v)$	3.364E02	lumens
$\Phi(v')$	4.188E02	lm'
Chrom x	0.4568	
Chrom y	0.4094	
Chrom u	0.2611	
Chrom v	0.3510	
Duv	0.0004	
Chrom u'	0.2611	
Chrom v'	0.5264	
λ (peak)	604.5	nm
λ (center)	601.4	nm
λ (centroid)	587.8	nm
λ (dom)	584.1	nm
FWHM	112.6	nm
Purity	60.0	%
CCT	2732.0	$^{\circ}\text{K}$
SDCM	4.8 F 2700	
Correlation	0.0054	
Corr. Coef.	0.000251347136061583	
RA	81.4168529579943	
R1	80.2	
R2	92.4	
R3	93.3	
R4	78.3	
R5	80.8	
R6	91.9	
R7	79.7	
R8	54.6	
R9	2.8	
R10	83.3	
R11	77.8	
R12	76.5	
R13	83.2	
R14	97	

