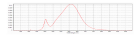


# Product information sheet



Supplier's name or trade mark:		Paulmann Licht GmbH	
Supplier's address		Quezinger Feld 2, DE-31832 Springe-Völksen	
Model identifier:		5231	
Type of light source:		LED	
Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	GU10		
Mains or non-mains:	MLS	Connected light source (CLS):	no
Colour-tuneable light source:	no	Envelope:	no cover
High luminance light source:	no		
Anti-glare shield:	no	Dimmable:	mit bestimmten Dimmern
Product parameters			
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1 000 h), rounded up to the nearest integer	7	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°)	460 at 90 °	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:	2700
On-mode power ( $P_{on}$ ), expressed in W	7	Standby power ( $P_{sb}$ ), expressed in W and rounded to the second decimal	
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	83
Outer dimensions without separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)	Height	54	Spectral power distribution in the range 250 nm to 800 nm, at full-load 
	Width	51	
	Depth	51	
Claim of equivalent power	no	If yes, equivalent power (W)	
Chromaticity coordinates (x and y)		0,462	
		0,415	
<b>Parameters for directional light sources:</b>			
Peak luminous intensity (cd)	900	Beam angle in degrees, or the range of beam angles that can be set	36
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	3	Survival factor	100
The lumen maintenance factor	90		
<b>Parameters for LED and OLED mains light sources:</b>			
Displacement factor ( $\cos \phi_1$ )	0,9	Colour consistency in McAdam ellipses	SDCM 6
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	no	If yes, then replacement claim (W)	
Flicker metric ( $P_{st} LM$ )	0,4	Stroboscopic effect metric (SVM)	0,4