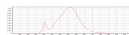


# Product information sheet



Supplier's name or trade mark:		Paulmann Licht GmbH		
Supplier's address		Quezinger Feld 2, DE-31832 Springe-Völksen		
Model identifier:		5228		
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:	nein	
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	4	Energy efficiency class:	F	
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°)	350 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	4	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	80	
Outer dimensions without separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)	Height	70	Spectral power distribution in the range 250 nm to 800 nm, at full-load	
	Width	111		
	Depth	111		
Claim of equivalent power	no	If yes, equivalent power (W)		
	Chromaticity coordinates (x and y)	0,457		
		0,413		
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	1150	Beam angle in degrees, or the range of beam angles that can be set	24	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	1	Survival factor	100	
The lumen maintenance factor	90			
<b>Parameters for LED and OLED mains light sources:</b>				
Displacement factor ( $\cos \phi_1$ )	0,4	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	Stroboscopic effect metric (SVM)	0	