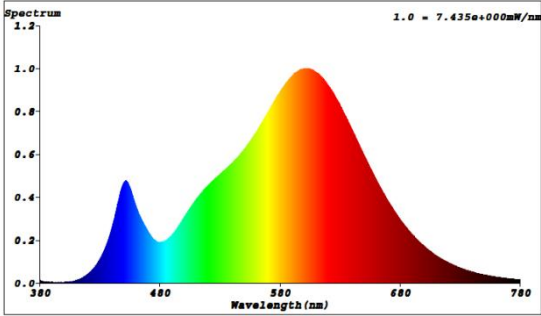


# ENERGY CONSERVATION

## The Ecodesign for Energy-Related Products and Energy Information (Lighting Products) Regulations 2021

### Product information sheet

<b>Supplier's name or trademark: MiniSun</b>			
<b>Supplier's address: 4 Omega Drive, Irlam, Manchester, M44 5GR</b>			
<b>Model identifier: 19866 / MiniSun 5W SES LED R50 Reflector Spotlight Bulb 3000K 450lm</b>			
<b>Type of light source: LED</b>			
Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	SES		
Mains or non-mains:	MLS	Connected light source (CLS):	no
Colour-tuneable light source:	no	Envelope:	no
High luminance light source:	no		
Anti-glare shield:	no	Dimmable:	no
<b>Product parameters</b>			
Parameter	Value	Parameter	Value
<b>General product parameters</b>			
Energy consumption in on-mode (kWh/1,000 h) rounded up to the nearest integer	5	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°)	453Lm in Sphere (360°)	Correlated colour temperature, rounded to the nearest 100K, or the range of correlated colour temperatures, rounded to the nearest 100K, that can be set	3000K
On-mode power ( $P_{on}$ ), expressed in W	5.0	Standby power ( $P_{sb}$ ), expressed in W and rounded to the second decimal point	-

Networked standby power ( $P_{net}$ ) for CLS, expressed in W and rounded to the second decimal point	-	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	x	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	x	
	Depth	x	
			
Claim of equivalent power (see paragraph [2(1) and (2)])	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0.440 0.403
<b>Parameters for directional light sources:</b>			
Peak luminous intensity (cd)	-	Beam angle in degrees, or the range of beam angles that can be set	-
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	x	Survival factor	0.90
The lumen maintenance factor	0.95		
<b>Parameters for LED and OLED mains light sources:</b>			
Displacement factor (cos $\phi_1$ )	-	Colour consistency in McAdam ellipses	6
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage (see paragraph [2(3)]).	-	If yes then replacement claim (W)	-
Flicker metric (Pst LM)	1.0	Stroboscopic effect metric (SVM)	0.9