ENERGY CONSERVATION

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

Product information sheet

Supplier's name or trade mark: MiniSun			
Supplier's address: 4 Omega Drive, Irlam, Manchester, M44 5GR			
Model identifier: 18634 / 4w ES LED Globe Bulb 2700K 400lm 20000 Hours			
Type of light source: LED			
Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	ES		
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
Product parameters			
Parameter	Value	Parameter	Value
General product parameters			
Energy consumption in on-mode (kWh/1,000 h) rounded up to the nearest integer	4	Energy efficiency class	F
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°)	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	4.0	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
	Height x		[graphic]

Outer dimensions without separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)	Width	x	Spectral power distribution in the range 250 nm to 800 nm, at full-load	
	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
Parameters for directional light sources:				
Peak luminous intensity (cd)	-		Beam angle in degrees, or the range of beam angles that can be set	-
Parameters for LED and OLED light sources:				
R9 colour rendering index value	x		Survival factor	0.90
The lumen maintenance factor	0.95			
Parameters for LED and OLED mains light sources:				
Displacement factor (cos ϕ1)	-		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