

Product information sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light sources

Supplier's name or trade mark:

Brilliant

Supplier's address:

Brilliant AG, Brilliantstraße 1, 27442 Gnarrenburg

Model identifier:

G82040/09

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	Anschlussklemme		
Mains or non-mains:	NMLS	Connected light source (CLS):	no
Colour-tuneable light source:	no	Envelope:	-
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	31	Energy efficiency class	E
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°)	4000 in Sphere (360°)	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	3000
On-mode power (P_{on}), expressed in W	31	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

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General product parameters:				
Outer dimensions without separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)	Height	2	Spectral power distribution in the range 250 nm to 800 nm, at full-load	see last page
	Width	7		
	Depth	3003		
Claim of equivalent power		true	If yes, equivalent power (W)	240
			Chromaticity coordinates (x and y)	0,444
				0,41
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		-3,91608	Survival factor	0,96
the lumen maintenance factor		0,97		
Parameters for LED and OLED mains light sources:				
displacement factor (cos φ1)		0,986	Colour consistency in McAdam ellipses	3,4
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.		-	If yes then replacement claim (W)	-
Flicker metric (Pst LM)		0,04	Stroboscopic effect metric (SVM)	0,0001

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