

# Product Information Sheet

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

**Supplier's name or trade mark:** MARINO CRISTAL

**Supplier's address:** CHIEF EXECUTIVE, VIA GUARDIA DEL CONSIGLIO 29, 47899 SERRAVALLE - REP. SAN MARINO, IT

**Model identifier:** 21676

## Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	E27		
Mains or non-mains:	MLS	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
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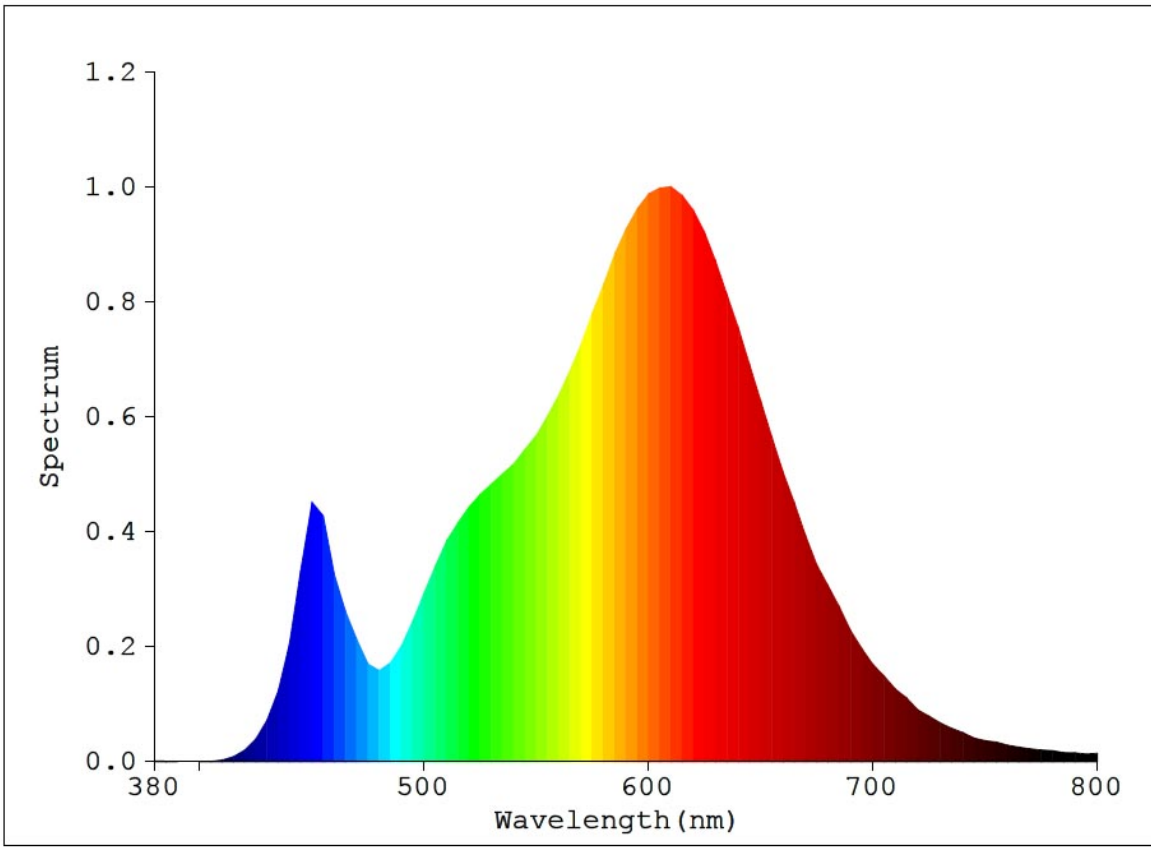
### General product parameters:

Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	15	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°)	1 250 in Narrow cone (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	3 000
On-mode power ( $P_{on}$ ), expressed in W	15,0	Standby power ( $P_{sb}$ ), expressed in W and rounded to the second decimal	0,00
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, light-	Height	137	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	122	
	Depth	122	
			See image in last page

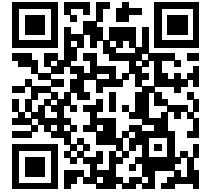
ing control parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power <sup>(a)</sup>	Yes	If yes, equivalent power (W)	146
		Chromaticity coordinates (x and y)	0,440 0,403
<b>Parameters for directional light sources:</b>			
Peak luminous intensity (cd)	1 669	Beam angle in degrees, or the range of beam angles that can be set	40
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	2	Survival factor	0,90
the lumen maintenance factor	0,96		
<b>Parameters for LED and OLED mains light sources:</b>			
displacement factor (cos $\phi_1$ )	0,70	Colour consistency in McAdam ellipses	5
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	-(b)	If yes then replacement claim (W)	-
Flicker metric (Pst LM)	1,0	Stroboscopic effect metric (SVM)	0,4

(a) '-': not applicable;

(b) '-': not applicable;



Model placed on the Union market from 02/01/2019



**EPREL registration number:** 1008616

<https://eprel.ec.europa.eu/qr/1008616>

**Supplier:** MARINO CRISTAL S.r.l. (Manufacturer)

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**Customer care service:**

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