

# Product Information Sheet

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

**Supplier's name or trade mark:** OPTONICA

**Supplier's address:** Anatolii Lazarov, Mitr. Serafim Slivenski, Mladost 1 144, 1784 Sofia, BG

**Model identifier:** 1957

## Type of light source:

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):	Yes
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	Yes		
Anti-glare shield:	No	Dimmable:	No

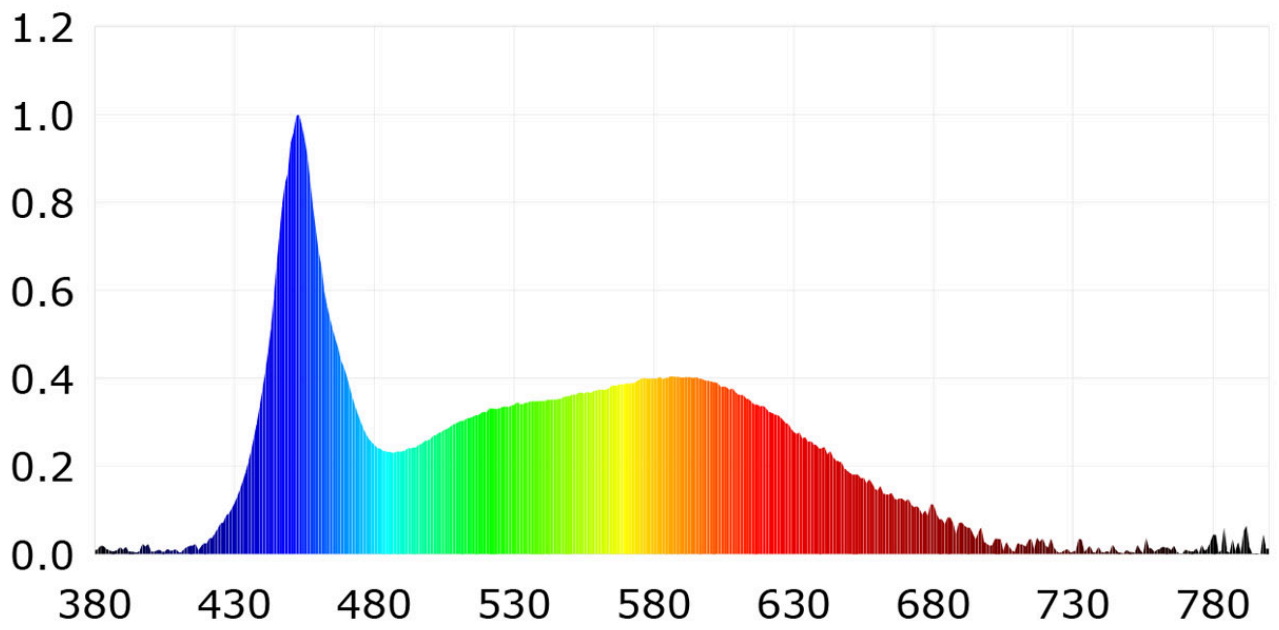
## Product parameters

Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 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°)	320 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	5847...6147
On-mode power ( $P_{on}$ ), expressed in W	4,0	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	0,00	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	85
Outer dimensions without separate control gear, lighting control	Height	60	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	50	
	Depth	50	
			See image in last page

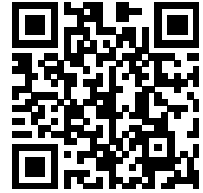
parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power <sup>(a)</sup>	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,315 0,306
<b>Parameters for directional light sources:</b>			
Peak luminous intensity (cd)	378	Beam angle in degrees, or the range of beam angles that can be set	50
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	71	Survival factor	0,96
the lumen maintenance factor	0,96		
<b>Parameters for LED and OLED mains light sources:</b>			
displacement factor (cos $\phi_1$ )	0,55	Colour consistency in McAdam ellipses	6
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)	0,6	Stroboscopic effect metric (SVM)	0,4

(a) '-': not applicable;

(b) '-': not applicable;



Model placed on the Union market from 19/10/2018



**EPREL registration number:** 775432

<https://eprel.ec.europa.eu/qr/775432>

**Supplier:** PRIMA GROUP 2004 (Importer)

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