

# Product Information Sheet

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

**Supplier's name or trade mark:** IP44.DE

**Supplier's address:** Verwaltung, Mühlenstraße 20, 33378 Rheda-Wiedenbrück, DE

**Model identifier:** kal M solar

## Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	NA		
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:	Yes

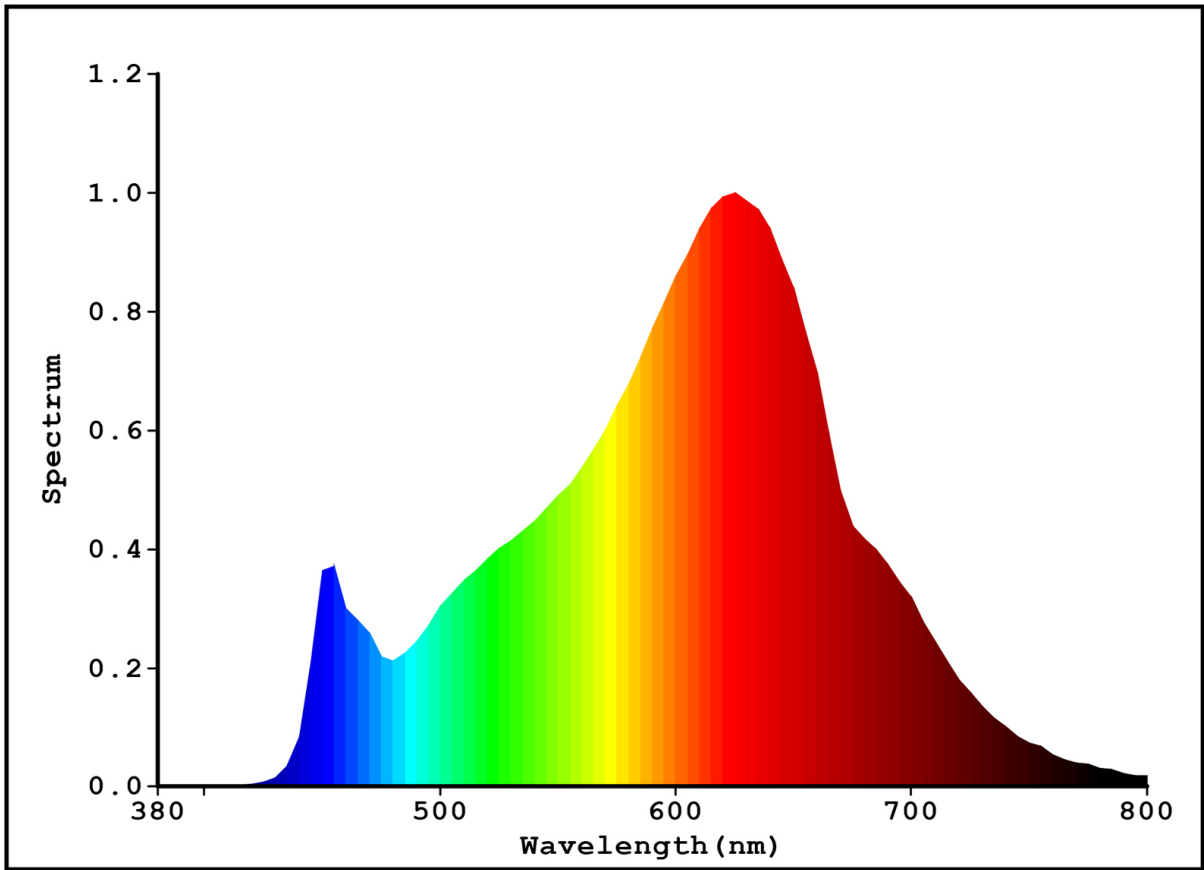
## Product parameters

Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	1	Energy efficiency class	E
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°)	90 in Wide cone (120°)	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	2 700
On-mode power ( $P_{on}$ ), expressed in W	0,7	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	90
Outer dimensions without separate control gear, lighting control	Height	2	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	5	
	Depth	568	
			See image in last page

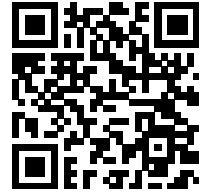
parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power <sup>(a)</sup>	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,458 0,410
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	60	Survival factor	0,90
the lumen maintenance factor	0,96		

(a) : not applicable;

(b) : not applicable;



Model placed on the Union market from 01/03/2024



**EPREL registration number:** 2044466

<https://eprel.ec.europa.eu/qr/2044466>

**Supplier:** IP44 Schmalhorst GmbH & Co. KG (Manufacturer)

**Website:** [www.IP44.de](http://www.IP44.de)

**Customer care service:**

**Name:** Verwaltung

**Website:** [www.IP44.de](http://www.IP44.de)

**Email:** [welcome@IP44.de](mailto:welcome@IP44.de)

**Phone:** +49 5242 57970

**Address:**

Mühlenstraße 20  
33378 Rheda-Wiedenbrück  
Germany