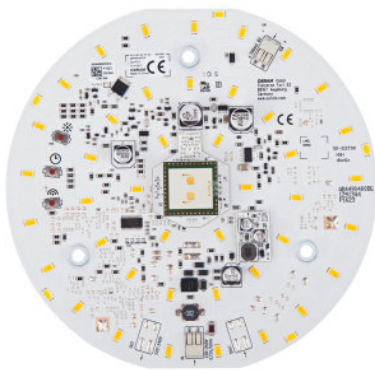


PrevaLED Flat AC MA

Spot-, Down- and Wallmount Light Engines and Modules



Areas of application

- Corridors
- Stairways
- Landings
- Hallways

Product family benefits

- Touch protection accessory for simple use in luminaires
- High reliability
- Easy to use
- Optimised design for simple thermal management
- Enables thin and efficient luminaire designs
- High quality of light thanks to low modulation
- 5 year guarantee



Product family datasheet

Product family features

- Master with integrated RF sensor (motion, dimming, auto off at daylight)
- Master Slave system with up to 11 luminaires and up to 5 Masters
- Designed for wall and ceiling luminaires with diffuse light distribution
- Low-cost LED replacement of CFL wall-, and ceiling luminaires
- Driver integrated on LED board
- Available diameter: 170 mm, 240 mm
- Available with color temperature: 3,000 K or 4,000 K
- Available with luminous flux: 1,500 lm, 2,500 lm
- LED module is reinforced isolated to mounting surface
- Photobiological safety according to IEC/TR 62778, risk group RG1

Product family datasheet

Technical data

Electrical data

Product description	Nominal voltage	Input voltage range	Type of current	Max. ECG no. on circuit breaker 10 A (B)	Inrush current	Mains frequency
PL-FLAT-AC MA-G3 1500-830	230 V	220...240 V	AC	141	1,45 A ¹⁾	0/50/60 Hz
PL-FLAT-AC MA-G3 1500-840	230 V	220...240 V	AC	147	1,45 A ¹⁾	0/50/60 Hz
PL-FLAT-AC MA-G3 2500-830	230 V	220...240 V	AC	88	1,62 A ¹⁾	0/50/60 Hz
PL-FLAT-AC MA-G3 2500-840	230 V	220...240 V	AC	93	1,62 A ¹⁾	0/50/60 Hz

Product description	Output SVM	Input voltage DC	Displacement factor (cos ϕ 1)
PL-FLAT-AC MA-G3 1500-830	≤ 0.9	176...276 V	0.98
PL-FLAT-AC MA-G3 1500-840	≤ 0.9	176...276 V	0.98
PL-FLAT-AC MA-G3 2500-830	≤ 0.9	176...276 V	0.98
PL-FLAT-AC MA-G3 2500-840	≤ 0.9	176...276 V	0.98

Product description	Energy consumption in on-mode	On-mode power	Input voltage AC
PL-FLAT-AC MA-G3 1500-830	12.5 kWh/1000h	12.50 W	220...240 V
PL-FLAT-AC MA-G3 1500-840	12.0 kWh/1000h	12.00 W	220...240 V
PL-FLAT-AC MA-G3 2500-830	20.0 kWh/1000h	20.00 W	220...240 V
PL-FLAT-AC MA-G3 2500-840	19.0 kWh/1000h	19.00 W	220...240 V

Product description	Output PSTLM	Max. ECG no. on circuit breaker 16 A (B)
PL-FLAT-AC MA-G3 1500-830	≤ 1	225
PL-FLAT-AC MA-G3 1500-840	≤ 1	235
PL-FLAT-AC MA-G3 2500-830	≤ 1	141
PL-FLAT-AC MA-G3 2500-840	≤ 1	148

¹⁾ At 10 μ s

Photometrical data

Product description	Luminous efficacy	Useful luminous flux (Φ_{use})	Colour consistency (McAdam ellipses)
PL-FLAT-AC MA-G3 1500-830	116 lm/W	1395 lm	3
PL-FLAT-AC MA-G3 1500-840	120 lm/W	1420 lm	3
PL-FLAT-AC MA-G3 2500-830	117 lm/W	2350 lm	3
PL-FLAT-AC MA-G3 2500-840	121 lm/W	2300 lm	3

Product family datasheet

Product description	Correlated color temperature CCT	Color rendering index Ra
PL-FLAT-AC MA-G3 1500-830	3000 K	80
PL-FLAT-AC MA-G3 1500-840	4000 K	80
PL-FLAT-AC MA-G3 2500-830	3000 K	80
PL-FLAT-AC MA-G3 2500-840	4000 K	80

Light technical data

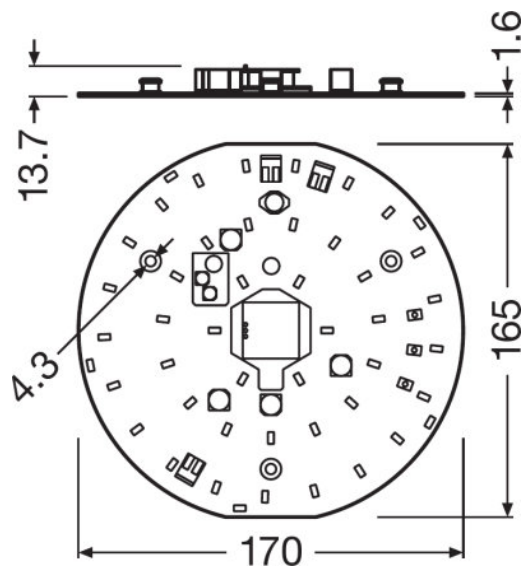
Product description	Starting time	Warm-up time (60 %)	Beam angle
PL-FLAT-AC MA-G3 1500-830	< 0.5 s	< 2.00 s	0 °
PL-FLAT-AC MA-G3 1500-840	< 0.5 s	< 2.00 s	0 °
PL-FLAT-AC MA-G3 2500-830	< 0.5 s	< 2.00 s	115 °
PL-FLAT-AC MA-G3 2500-840	< 0.5 s	< 2.00 s	0 °

Dimensions & weight

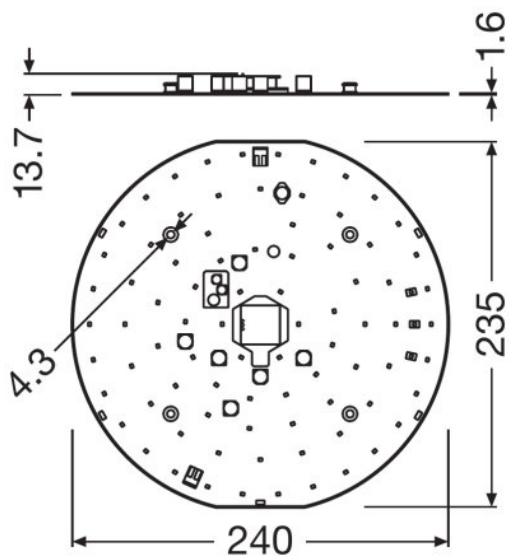
Product description	Diameter	Product weight	Width	Length
PL-FLAT-AC MA-G3 1500-830	170.0 mm	105.00 g	165.0 mm	170.0 mm
PL-FLAT-AC MA-G3 1500-840	170.0 mm	105.00 g	165.0 mm	170.0 mm
PL-FLAT-AC MA-G3 2500-830	240.0 mm	180.00 g	235.0 mm	240.0 mm
PL-FLAT-AC MA-G3 2500-840	240.0 mm	180.00 g	235.0 mm	240.0 mm

Product description	Height
PL-FLAT-AC MA-G3 1500-830	14.6 mm
PL-FLAT-AC MA-G3 1500-840	14.6 mm
PL-FLAT-AC MA-G3 2500-830	14.6 mm
PL-FLAT-AC MA-G3 2500-840	14.6 mm

Product line drawing



PL-FLAT-AC MA-G3 1500-830, PL-FLAT-AC MA-G3 1500-840



PL-FLAT-AC MA-G3 2500-830, PL-FLAT-AC MA-G3 2500-840

Temperatures & operating conditions

Product description	Performance temp. acc. to IEC 62717	Maximum temperature at tc test point	Ambient temperature range
PL-FLAT-AC MA-G3 1500-830	75 °C	90 °C	-20...+50 °C
PL-FLAT-AC MA-G3 1500-840	75 °C	90 °C	-20...+50 °C
PL-FLAT-AC MA-G3 2500-830	75 °C	90 °C	-20...+50 °C
PL-FLAT-AC MA-G3 2500-840	75 °C	90 °C	-20...+50 °C

Lifespan

Product description	Number of switching cycles	Lumen maintenance factor LMF	L70B50 lifetime
PL-FLAT-AC MA-G3 1500-830	100000	96	50000 h
PL-FLAT-AC MA-G3 1500-840	100000	96	50000 h
PL-FLAT-AC MA-G3 2500-830	100000	96	50000 h
PL-FLAT-AC MA-G3 2500-840	100000	96	50000 h

Additional product data

Product description	Lighting technology used	Predecessor EAN
PL-FLAT-AC MA-G3 1500-830	LED	4052899969773
PL-FLAT-AC MA-G3 1500-840	LED	4052899969780
PL-FLAT-AC MA-G3 2500-830	LED	4052899969797
PL-FLAT-AC MA-G3 2500-840	LED	4052899969803

Capabilities

Product description	Dimmable
PL-FLAT-AC MA-G3 1500-830	Yes
PL-FLAT-AC MA-G3 1500-840	Yes
PL-FLAT-AC MA-G3 2500-830	No
PL-FLAT-AC MA-G3 2500-840	No

Certificates & standards

Product description	Standards	Energy efficiency class
PL-FLAT-AC MA-G3 1500-830	CE/ENEC/UKCA/VDE	E
PL-FLAT-AC MA-G3 1500-840	CE/ENEC/UKCA/VDE	E
PL-FLAT-AC MA-G3 2500-830	CE/ENEC/UKCA/VDE	E
PL-FLAT-AC MA-G3 2500-840	CE/ENEC/UKCA/VDE	E

Logistical data

Product description	Commodity code
PL-FLAT-AC MA-G3 1500-830	85395100000
PL-FLAT-AC MA-G3 1500-840	85395100000
PL-FLAT-AC MA-G3 2500-830	85395100000
PL-FLAT-AC MA-G3 2500-840	85395100000

Environmental information
Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)

Product description	Date of Declaration	Primary Article Identifier	Candidate List Substance 1
PL-FLAT-AC MA-G3 1500-830	21-04-2023	4062172209304	Lead
PL-FLAT-AC MA-G3 1500-840	21-04-2023	4062172209328	Lead
PL-FLAT-AC MA-G3 2500-830	21-07-2023	4062172203302	Lead
PL-FLAT-AC MA-G3 2500-840	21-07-2023	4062172203326	Lead

Product family datasheet

Product description	CAS No. of substance 1	Safe Use Instruction	Declaration No. in SCIP database
PL-FLAT-AC MA-G3 1500-830	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	769dd539-ddc6-43fb-82dd-2f040f7224b2
PL-FLAT-AC MA-G3 1500-840	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	d8ba1db8-022c-49f1-9f09-43d87e24d671
PL-FLAT-AC MA-G3 2500-830	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	9b97632d-416c-438b-a4d6-31f9153007e5
PL-FLAT-AC MA-G3 2500-840	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	b10d91e4-af94-4860-b928-25b30646c0ff

Application advice

For more detailed application information and graphics please see product datasheet.

Additional product information

- Installation by qualified electrician only.
- Please see the relevant application guides and instructions sheets for more detailed safety and mounting information. Additional information is available on request.
- Complies with IEC/EN 62031
- Complies with IEC/EN 61547
- Complies with IEC/EN 61000-3-2/3
- Complies with EN 55015, CISPR 15
- Complies with IEC/EN 62717
- Complies with EN 300440-1/-2
- Electrical contact is achieved with the contact cables or the terminals of the module. Please refer to the technical data for maximum number of LED modules that can be operated on one control gear.
- Pay attention to polarity! Wrong polarity can cause destruction or malfunction of the module.
- Conducting paths on the circuit board must not be damaged or destroyed during installation.
- The LED module itself and all its components must not be stressed mechanically.
- For optimal cooling a thermal interface material should be applied between LED module and heat sink.
- The module must not be attached to wood or other flammable materials.
- Protect against splashes!
- The module, as manufactured, has no inherent protection against corrosion. It is the user's responsibility to provide suitable protection against corrosive agents, such as moisture, condensation and other harmful elements.
- The product implemented control components are not designed for removal.

Sales and Technical Support

Sales and Technical Support www.osram.com

Product family datasheet

Download Data

File	
	User instruction PrevaLED Flat AC MASL
	Certificates PL FLAT AC G3 VDE ENEC 40040688 250723
	Declarations of conformity PL FLAT AC G3 CE 3798398 070623

Ecodesign regulation information:

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172209304	PL-FLAT-AC MA-G3 1500-830	Shipping carton box 20	457 mm x 331 mm x 223 mm	33.73 dm ³	3360.00 g
4062172209328	PL-FLAT-AC MA-G3 1500-840	Shipping carton box 20	457 mm x 331 mm x 223 mm	33.73 dm ³	3360.00 g
4062172203302	PL-FLAT-AC MA-G3 2500-830	Shipping carton box 20	597 mm x 331 mm x 296 mm	58.49 dm ³	5388.00 g
4062172203326	PL-FLAT-AC MA-G3 2500-840	Shipping carton box 20	597 mm x 331 mm x 296 mm	58.49 dm ³	5388.00 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

Accessories Optional

Product description	Accessory name	Accessory code
PL-FLAT-AC MA-G3 1500-830	PL-FLTP 170 MA G2	▶ 4052899969858
PL-FLAT-AC MA-G3 1500-840	PL-FLTP 170 MA G2	▶ 4052899969858
PL-FLAT-AC MA-G3 2500-830	PL-FLTP 240 MA G2	▶ 4052899969865
PL-FLAT-AC MA-G3 2500-840	PL-FLTP 240 MA G2	▶ 4052899969865

Product family datasheet

References / Links

For more information on the multi-level guarantee and the terms and conditions of the guarantee visit <https://>

▶ www.inventronics-light.com/multilevel-guarantees

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.