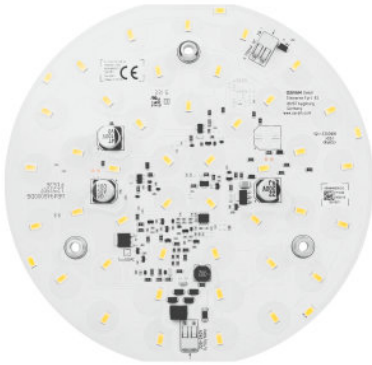


PrevaLED Flat AC EM

Spot-, Down- and Wallmount Light Engines and Modules



Product family features

- 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, 3,300 lm
- LED module is reinforced isolated to mounting surface
- Photobiological safety according to IEC/TR 62778, risk group RG1
- Installation in emergency lighting systems according to IEC 60598-2-22

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

Areas of application

- Corridors
- Stairways
- Landings
- Hallways
- Emergency lighting for single battery systems



Product family datasheet

Technical data

Product description	Electrical data					
	Nominal voltage	Input voltage range	Type of current	Max. ECG no. on circuit breaker 10 A (B)	Displacement factor (cos φ1)	Energy consumption in on-mode
PL-FLAT-AC EM-G3 1500-830	230 V	220...240 V	AC	147	0.98	12.0 kWh/1000h
PL-FLAT-AC EM-G3 1500-840	230 V	220...240 V	AC	153	0.98	11.5 kWh/1000h
PL-FLAT-AC EM-G3 2500-830	230 V	220...240 V	AC	90	0.98	19.5 kWh/1000h
PL-FLAT-AC EM-G3 2500-840	230 V	220...240 V	AC	93	0.98	19.0 kWh/1000h
PL-FLAT-AC EM-G3 3300-830	230 V	220...240 V	AC	72	0.98	24.5 kWh/1000h
PL-FLAT-AC EM-G3 3300-840	230 V	220...240 V	AC	73	0.98	24.0 kWh/1000h

Product description	Input voltage DC	Output PSTLM	Output SVM	Mains frequency	Input voltage AC
PL-FLAT-AC EM-G3 1500-830	176...276 V	≤1	≤0.9	0/50/60 Hz	220...240 V
PL-FLAT-AC EM-G3 1500-840	176...276 V	≤1	≤0.9	0/50/60 Hz	220...240 V
PL-FLAT-AC EM-G3 2500-830	176...276 V	≤1	≤0.9	0/50/60 Hz	220...240 V
PL-FLAT-AC EM-G3 2500-840	176...276 V	≤1	≤0.9	0/50/60 Hz	220...240 V
PL-FLAT-AC EM-G3 3300-830	176...276 V	≤1	≤0.9	0/50/60 Hz	220...240 V
PL-FLAT-AC EM-G3 3300-840	176...276 V	≤1	≤0.9	0/50/60 Hz	220...240 V

Product description	Max. ECG no. on circuit breaker 16 A (B)	On-mode power	Inrush current	Photometrical data	
				Luminous efficacy	Color rendering index Ra
PL-FLAT-AC EM-G3 1500-830	235	12.00 W	0,71 A ¹⁾	120 lm/W	80
PL-FLAT-AC EM-G3 1500-840	245	11.50 W	0,71 A ¹⁾	126 lm/W	80
PL-FLAT-AC EM-G3 2500-830	144	19.50 W	0.8 A ¹⁾	118 lm/W	80
PL-FLAT-AC EM-G3 2500-840	148	19.00 W	0.8 A ¹⁾	123 lm/W	80
PL-FLAT-AC EM-G3 3300-830	115	24.50 W	0,78 A ¹⁾	134 lm/W	80
PL-FLAT-AC EM-G3 3300-840	117	24.00 W	0,78 A ¹⁾	137 lm/W	80

Product family datasheet

Product description	Useful luminous flux (Φuse)	Colour consistency (McAdam ellipses)	Correlated color temperature CCT	Light technical data	
				Starting time	Warm-up time (60 %)
PL-FLAT-AC EM-G3 1500-830	1490 lm	3	3000 K	< 0.5 s	< 2.00 s
PL-FLAT-AC EM-G3 1500-840	1500 lm	3	4000 K	< 0.5 s	< 2.00 s
PL-FLAT-AC EM-G3 2500-830	2300 lm	3	3000 K	< 0.5 s	< 2.00 s
PL-FLAT-AC EM-G3 2500-840	2350 lm	3	4000 K	< 0.5 s	< 2.00 s
PL-FLAT-AC EM-G3 3300-830	3300 lm	3	3000 K	< 0.5 s	< 2.00 s
PL-FLAT-AC EM-G3 3300-840	3300 lm	3	4000 K	< 0.5 s	< 2.00 s

Product description	Beam angle	Dimensions & weight			
		Diameter	Product weight	Length	Height
PL-FLAT-AC EM-G3 1500-830	0 °	170.0 mm	87.20 g	170.0 mm	14.6 mm
PL-FLAT-AC EM-G3 1500-840	0 °	170.0 mm	87.20 g	170.0 mm	14.6 mm
PL-FLAT-AC EM-G3 2500-830	115 °	240.0 mm	170.00 g	240.0 mm	14.6 mm
PL-FLAT-AC EM-G3 2500-840	115 °	240.0 mm	170.00 g	240.0 mm	14.6 mm
PL-FLAT-AC EM-G3 3300-830	0 °	335.0 mm	290.00 g	335.0 mm	14.6 mm
PL-FLAT-AC EM-G3 3300-840	0 °	335.0 mm	290.00 g	335.0 mm	14.6 mm

Product description	Width	Temperatures & operating conditions		
		Performance temp. acc. to IEC 62717	Maximum temperature at tc test point	Ambient temperature range
PL-FLAT-AC EM-G3 1500-830	165.0 mm	75 °C	90 °C	-20...+50 °C
PL-FLAT-AC EM-G3 1500-840	165.0 mm	75 °C	90 °C	-20...+50 °C
PL-FLAT-AC EM-G3 2500-830	235.0 mm	75 °C	90 °C	-20...+50 °C
PL-FLAT-AC EM-G3 2500-840	235.0 mm	75 °C	90 °C	-20...+50 °C
PL-FLAT-AC EM-G3 3300-830	335.0 mm	75 °C	90 °C	-20...+50 °C
PL-FLAT-AC EM-G3 3300-840	335.0 mm	75 °C	90 °C	-20...+50 °C

Product description	Temperature range at storage	Lifespan		
		Number of switching cycles	L70B50 lifetime	Lumen maintenance factor LMF
PL-FLAT-AC EM-G3 1500-830	-20...85 °C	100000	50000 h	96
PL-FLAT-AC EM-G3 1500-840	-20...85 °C	100000	50000 h	96
PL-FLAT-AC EM-G3 2500-830	-20...85 °C	100000	50000 h	96
PL-FLAT-AC EM-G3 2500-840	-20...85 °C	100000	50000 h	96
PL-FLAT-AC EM-G3 3300-830	-20...85 °C	100000	50000 h	96
PL-FLAT-AC EM-G3 3300-840	-20...85 °C	100000	50000 h	96

Product family datasheet

Product description	Additional product data		Capabilities	Certificates & standards
	Predecessor EAN	Lighting technology used	Dimmable	Standards
PL-FLAT-AC EM-G3 1500-830	4052899969650	LED	Only with specific dimmers	CE/ENEC/UKCA/VDE
PL-FLAT-AC EM-G3 1500-840	4052899969667	LED	Only with specific dimmers	CE/ENEC/UKCA/VDE
PL-FLAT-AC EM-G3 2500-830	4052899969674	LED	Only with specific dimmers	CE/ENEC/UKCA/VDE
PL-FLAT-AC EM-G3 2500-840	4052899969681	LED	Only with specific dimmers	CE/ENEC/UKCA/VDE
PL-FLAT-AC EM-G3 3300-830	4052899512009	LED	Only with specific dimmers	CE/ENEC/UKCA/VDE
PL-FLAT-AC EM-G3 3300-840	4052899512023	LED	Only with specific dimmers	CE/ENEC/UKCA/VDE

Product description	Energy efficiency class	Logistical data	Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
		Commodity code	Date of Declaration	Primary Article Identifier
PL-FLAT-AC EM-G3 1500-830	E	85395100000	25-10-2023	4062172209465
PL-FLAT-AC EM-G3 1500-840	E	85395100000	25-10-2023	4062172209489
PL-FLAT-AC EM-G3 2500-830	E	85395100000	25-10-2023	4062172203463
PL-FLAT-AC EM-G3 2500-840	E	85395100000	25-10-2023	4062172203487
PL-FLAT-AC EM-G3 3300-830	E	85395100000	25-10-2023	4062172212359
PL-FLAT-AC EM-G3 3300-840	D	85395100000	25-10-2023	4062172212373

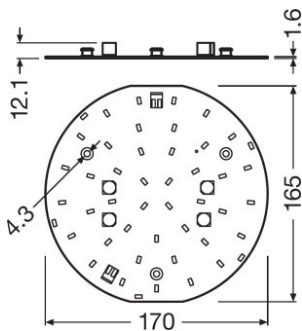
Product description	Candidate List Substance 1	CAS No. of substance 1	Safe Use Instruction	Declaration No. in SCIP database
PL-FLAT-AC EM-G3 1500-830	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	a36eb7fe-2e42-4a2d-b661-637e5e94618b
PL-FLAT-AC EM-G3 1500-840	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	558aa421-77f1-4a9b-820d-005803c71c80

Product family datasheet

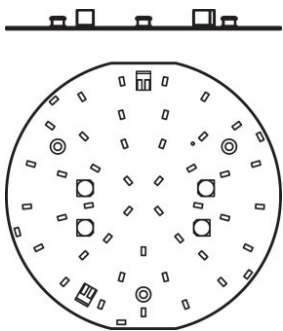
Product description	Candidate List Substance 1	CAS No. of substance 1	Safe Use Instruction	Declaration No. in SCIP database
PL-FLAT-AC EM-G3 2500-830	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	3630df8f-0f89-4477-9d23-9a9ecf7badaa
PL-FLAT-AC EM-G3 2500-840	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	100d97fa-7768-4328-98b7-0eb1a6877e33
PL-FLAT-AC EM-G3 3300-830	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	a5160623-58ad-4cd5-a0ac-1e1d6ed359f9
PL-FLAT-AC EM-G3 3300-840	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	2850c0cf-bc9f-4347-af18-ade30e546fcc

1) At 10 µs

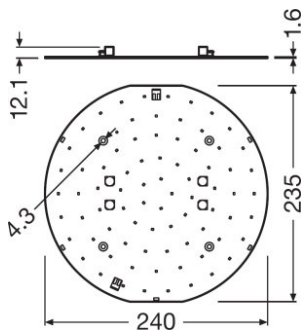
Product family datasheet



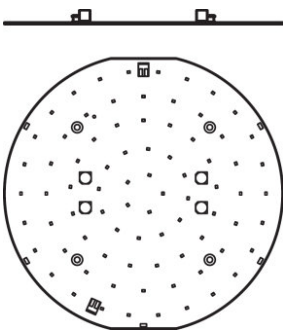
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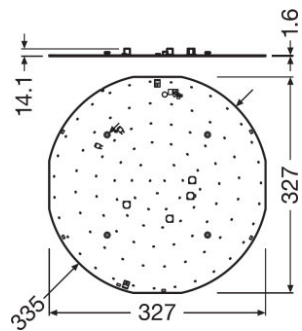
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727414_PL-FLAT-AC-EM-G2 2500



727422_PL-FLAT-AC-EM-G2 2500



PL-FLAT-AC-EMPC-G2 3300

Product family datasheet

Application advice

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

Additional product information

- The product implemented control components are not designed for removal.

Sales and Technical Support

Sales and Technical Support www.osram.com

Download Data

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

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
4062172209465	PL-FLAT-AC EM-G3 1500-830	Shipping carton box 20	457 mm x 331 mm x 223 mm	33.73 dm ³	3004.00 g
4062172209489	PL-FLAT-AC EM-G3 1500-840	Shipping carton box 20	457 mm x 331 mm x 223 mm	33.73 dm ³	3004.00 g

Product family datasheet

Logistical Data

4062172203463	PL-FLAT-AC EM-G3 2500-830	Shipping carton box 20	597 mm x 331 mm x 296 mm	58.49 dm ³	5188.00 g
4062172203487	PL-FLAT-AC EM-G3 2500-840	Shipping carton box 20	597 mm x 331 mm x 296 mm	58.49 dm ³	5188.00 g
4062172212359	PL-FLAT-AC EM-G3 3300-830	Shipping carton box 20	788 mm x 332 mm x 398 mm	104.12 dm ³	6800.00 g
4062172212373	PL-FLAT-AC EM-G3 3300-840	Shipping carton box 20	788 mm x 332 mm x 398 mm	104.12 dm ³	6800.00 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 EM-G3 1500-830	PL-FLTP 170 G2	▶ 4052899969872
PL-FLAT-AC EM-G3 1500-840	PL-FLTP 170 G2	▶ 4052899969872
PL-FLAT-AC EM-G3 2500-830	PL-FLTP 240 G2	▶ 4052899969889
PL-FLAT-AC EM-G3 2500-840	PL-FLTP 240 G2	▶ 4052899969889
PL-FLAT-AC EM-G3 3300-830	PL-FLTP 335 G2	▶ 4052899530102
PL-FLAT-AC EM-G3 3300-840	PL-FLTP 335 G2	▶ 4052899530102

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.