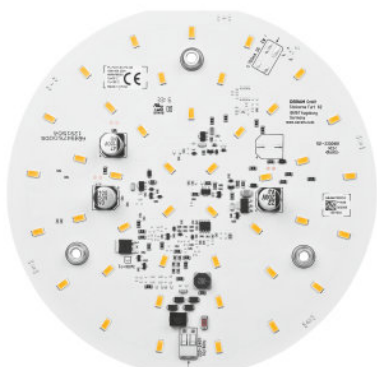


PrevaLED Flat AC PC

Spot-, Down- and Wallmount Light Engines and Modules



Product family features

- Dimmable (with suitable Phase-cut dimmers)
- 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

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



Product family datasheet

Technical data

Product description	Electrical data				
	Nominal voltage	Input voltage range	Type of current	Displacement factor (cos ϕ 1)	Energy consumption in on-mode
PL-FLAT-AC PC-G3 1500-830	230 V	220...240 V	AC	0.98	12.0 kWh/1000h
PL-FLAT-AC PC-G3 1500-840	230 V	220...240 V	AC	0.98	11.5 kWh/1000h
PL-FLAT-AC PC-G3 2500-830	230 V	220...240 V	AC	0.98	19.5 kWh/1000h
PL-FLAT-AC PC-G3 2500-840	230 V	220...240 V	AC	0.98	19.0 kWh/1000h
PL-FLAT-AC PC-G3 3300-830	230 V	220...240 V	AC	0.98	24.5 kWh/1000h
PL-FLAT-AC PC-G3 3300-840	230 V	220...240 V	AC	0.98	24.0 kWh/1000h
PL-FLAT-AC PC-G3 4000-830	230 V	220...240 V	AC	0.98	29.5 kWh/1000h
PL-FLAT-AC PC-G3 4000-840	230 V	220...240 V	AC	0.98	28.5 kWh/1000h

Product description	Max. ECG no. on circuit breaker 16 A (B)	Mains frequency	Input voltage AC	Output PSTLM	Inrush current	Output SVM
PL-FLAT-AC PC-G3 1500-830	235	0/50/60 Hz	220...240 V	≤ 1	0,71 A ¹⁾	≤ 0.9
PL-FLAT-AC PC-G3 1500-840	245	0/50/60 Hz	220...240 V	≤ 1	0,71 A ¹⁾	≤ 0.9
PL-FLAT-AC PC-G3 2500-830	144	0/50/60 Hz	220...240 V	≤ 1	0.8 A ¹⁾	≤ 0.9
PL-FLAT-AC PC-G3 2500-840	148	0/50/60 Hz	220...240 V	≤ 1	0.8 A ¹⁾	≤ 0.9
PL-FLAT-AC PC-G3 3300-830	115	0/50/60 Hz	220...240 V	≤ 1	0,78 A ¹⁾	≤ 0.9
PL-FLAT-AC PC-G3 3300-840	117	0/50/60 Hz	220...240 V	≤ 1	0,78 A ¹⁾	≤ 0.9
PL-FLAT-AC PC-G3 4000-830	95	0/50/60 Hz	220...240 V	≤ 1	1,80 A ¹⁾	≤ 0.9
PL-FLAT-AC PC-G3 4000-840	99	0/50/60 Hz	220...240 V	≤ 1	1,80 A ¹⁾	≤ 0.9

Product description	On-mode power	Max. ECG no. on circuit breaker 10 A (B)	Photometrical data		
			Luminous efficacy	Useful luminous flux (Φ use)	Colour consistency (McAdam ellipses)
PL-FLAT-AC PC-G3 1500-830	12.00 W	147	120 lm/W	1500 lm	3
PL-FLAT-AC PC-G3 1500-840	11.50 W	153	126 lm/W	1500 lm	3
PL-FLAT-AC PC-G3 2500-830	19.50 W	90	120 lm/W	2350 lm	3
PL-FLAT-AC PC-G3 2500-840	19.00 W	93	126 lm/W	2400 lm	3
PL-FLAT-AC PC-G3 3300-830	24.50 W	72	134 lm/W	3300 lm	3
PL-FLAT-AC PC-G3 3300-840	24.00 W	73	137 lm/W	3300 lm	3
PL-FLAT-AC PC-G3 4000-830	29.50 W	60	135 lm/W	4000 lm	3
PL-FLAT-AC PC-G3 4000-840	28.50 W	62	140 lm/W	4000 lm	3

Product description	Correlated color temperature CCT	Color rendering index Ra	Light technical data	
			Starting time	Warm-up time (60 %)
PL-FLAT-AC PC-G3 1500-830	3000 K	80	< 05 s	< 200 s
PL-FLAT-AC PC-G3 1500-840	4000 K	80	< 05 s	< 200 s

Product family datasheet

Product description	Correlated color temperature CCT	Color render- ing index Ra	Light technical data	
			Starting time	Warm-up time (60 %)
PL-FLAT-AC PC-G3 2500-830	3000 K	80	< 05 s	< 200 s
PL-FLAT-AC PC-G3 2500-840	4000 K	80	< 05 s	< 200 s
PL-FLAT-AC PC-G3 3300-830	3000 K	80	< 05 s	< 200 s
PL-FLAT-AC PC-G3 3300-840	4000 K	80	< 05 s	< 200 s
PL-FLAT-AC PC-G3 4000-830	3000 K	80	< 05 s	< 200 s
PL-FLAT-AC PC-G3 4000-840	4000 K	80	< 05 s	< 200 s

Product description	Beam angle	Dimensions & weight			
		Diameter	Product weight	Width	Length
PL-FLAT-AC PC-G3 1500-830	0 °	1700 mm	8700 g	165.0 mm	170.0 mm
PL-FLAT-AC PC-G3 1500-840	0 °	1700 mm	8700 g	165.0 mm	170.0 mm
PL-FLAT-AC PC-G3 2500-830	115 °	2400 mm	16800 g	235.0 mm	240.0 mm
PL-FLAT-AC PC-G3 2500-840	115 °	2400 mm	16800 g	235.0 mm	240.0 mm
PL-FLAT-AC PC-G3 3300-830	0 °	3350 mm	29000 g	335.0 mm	335.0 mm
PL-FLAT-AC PC-G3 3300-840	0 °	3350 mm	29000 g	335.0 mm	335.0 mm
PL-FLAT-AC PC-G3 4000-830	0 °	4150 mm	43500 g	415.0 mm	415.0 mm
PL-FLAT-AC PC-G3 4000-840	115 °	4150 mm	43500 g	415.0 mm	415.0 mm

Product description	Height	Temperatures & operating conditions		
		Performance temp. acc. to IEC 62717	Maximum temperature at tc test point	Ambient temperature range
PL-FLAT-AC PC-G3 1500-830	14.6 mm	75 °C	90 °C	-20...+50 °C
PL-FLAT-AC PC-G3 1500-840	14.6 mm	75 °C	90 °C	-20...+50 °C
PL-FLAT-AC PC-G3 2500-830	14.6 mm	75 °C	90 °C	-20...+50 °C
PL-FLAT-AC PC-G3 2500-840	14.6 mm	75 °C	90 °C	-20...+50 °C
PL-FLAT-AC PC-G3 3300-830	14.6 mm	75 °C	90 °C	-20...+50 °C
PL-FLAT-AC PC-G3 3300-840	14.6 mm	75 °C	90 °C	-20...+50 °C
PL-FLAT-AC PC-G3 4000-830	12.6 mm	75 °C	90 °C	-20...+50 °C
PL-FLAT-AC PC-G3 4000-840	12.6 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 PC-G3 1500-830	-20...85 °C	100000	50000 h	96
PL-FLAT-AC PC-G3 1500-840	-20...85 °C	100000	50000 h	96
PL-FLAT-AC PC-G3 2500-830	-20...85 °C	100000	50000 h	96
PL-FLAT-AC PC-G3 2500-840	-20...85 °C	100000	50000 h	96
PL-FLAT-AC PC-G3 3300-830	-20...85 °C	100000	50000 h	96
PL-FLAT-AC PC-G3 3300-840	-20...85 °C	100000	50000 h	96
PL-FLAT-AC PC-G3 4000-830	-20...85 °C	100000	50000 h	96
PL-FLAT-AC PC-G3 4000-840	-20...85 °C	100000	50000 h	96

Product family datasheet

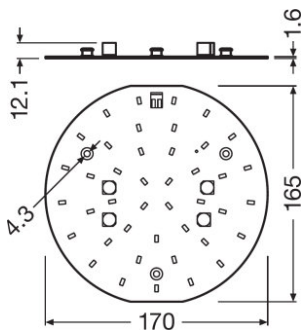
Product description	Additional product data		Capabilities	
	Lighting technology used	Predecessor EAN	Dimming interface	Dimmable
PL-FLAT-AC PC-G3 1500-830	LED	4052899969629	Phase Cut	Only with specific dimmers
PL-FLAT-AC PC-G3 1500-840	LED	4052899969612	Phase Cut	Only with specific dimmers
PL-FLAT-AC PC-G3 2500-830	LED	4052899969636	Phase Cut	Only with specific dimmers
PL-FLAT-AC PC-G3 2500-840	LED	4052899969643	Phase Cut	Only with specific dimmers
PL-FLAT-AC PC-G3 3300-830	LED	4052899511965	Phase Cut	Only with specific dimmers
PL-FLAT-AC PC-G3 3300-840	LED	4052899511989	Phase Cut	Only with specific dimmers
PL-FLAT-AC PC-G3 4000-830	LED	4052899389014	Phase Cut	Yes
PL-FLAT-AC PC-G3 4000-840	LED	4052899389038	Phase Cut	Yes

Product description	Dimming range	Certificates & standards		Logistical data
		Standards	Energy efficiency class	Commodity code
PL-FLAT-AC PC-G3 1500-830	1...100 %	CE/ENEC/UKCA/VDE	E	85395100000
PL-FLAT-AC PC-G3 1500-840	1...100 %	CE/ENEC/UKCA/VDE	E	85395100000
PL-FLAT-AC PC-G3 2500-830	1...100 %	CE/ENEC/UKCA/VDE	E	85395100000
PL-FLAT-AC PC-G3 2500-840	1...100 %	CE/ENEC/UKCA/VDE	E	85395100000
PL-FLAT-AC PC-G3 3300-830	1...100 %	CE/ENEC/UKCA/VDE	E	85395100000
PL-FLAT-AC PC-G3 3300-840	1...100 %	CE/ENEC/UKCA/VDE	D	85395100000
PL-FLAT-AC PC-G3 4000-830	1...100 %	CE/ENEC/UKCA/VDE	D	85395100000
PL-FLAT-AC PC-G3 4000-840	1...100 %	CE/ENEC/UKCA/VDE	D	85395100000

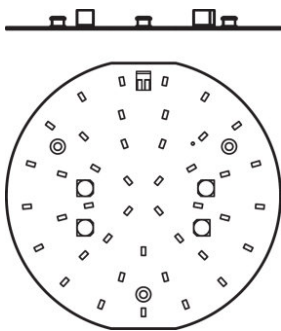
Product description	Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)			
	Date of Declaration	Primary Article Identifier	Candidate List Substance 1	CAS No. of substance 1
PL-FLAT-AC PC-G3 1500-830	25-10-2023	4062172209427	Lead	7439-92-1
PL-FLAT-AC PC-G3 1500-840	25-10-2023	4062172209441	Lead	7439-92-1
PL-FLAT-AC PC-G3 2500-830	25-10-2023	4062172203425	Lead	7439-92-1
PL-FLAT-AC PC-G3 2500-840	25-10-2023	4062172203449	Lead	7439-92-1
PL-FLAT-AC PC-G3 3300-830	25-10-2023	4062172212175	Lead	7439-92-1
PL-FLAT-AC PC-G3 3300-840	25-10-2023	4062172212335	Lead	7439-92-1
PL-FLAT-AC PC-G3 4000-830	25-10-2023	4062172212397	Lead	7439-92-1
PL-FLAT-AC PC-G3 4000-840	25-10-2023	4062172212410	Lead	7439-92-1

Product description	Safe Use Instruction	Declaration No. in SCIP database
PL-FLAT-AC PC-G3 1500-830	The identification of the Candidate List substance is sufficient to allow safe use of the article.	3c196224-9cfe-4dfa-a522-838add1468b1
PL-FLAT-AC PC-G3 1500-840	The identification of the Candidate List substance is sufficient to allow safe use of the article.	218170b9-8b89-4c98-8ddd-0905aa7ae824
PL-FLAT-AC PC-G3 2500-830	The identification of the Candidate List substance is sufficient to allow safe use of the article.	153cb721-53ab-4ab8-956b-e70525e63bc2
PL-FLAT-AC PC-G3 2500-840	The identification of the Candidate List substance is sufficient to allow safe use of the article.	c5219729-be14-405d-85b2-709afffe7f1a
PL-FLAT-AC PC-G3 3300-830	The identification of the Candidate List substance is sufficient to allow safe use of the article.	7c42bef8-9a84-4e72-a66c-a41b52b3e553
PL-FLAT-AC PC-G3 3300-840	The identification of the Candidate List substance is sufficient to allow safe use of the article.	5e685fb4-cd14-4eee-a779-109b7816183d
PL-FLAT-AC PC-G3 4000-830	The identification of the Candidate List substance is sufficient to allow safe use of the article.	aec59906-1b72-46fd-946c-4e178cfaf56b
PL-FLAT-AC PC-G3 4000-840	The identification of the Candidate List substance is sufficient to allow safe use of the article.	66d65b1d-9137-40ea-a546-e5181fd682aa

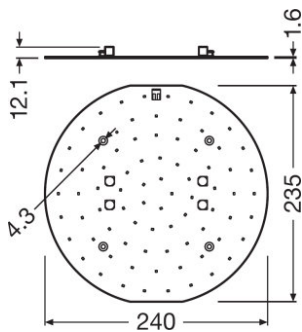
1) At 10 µs



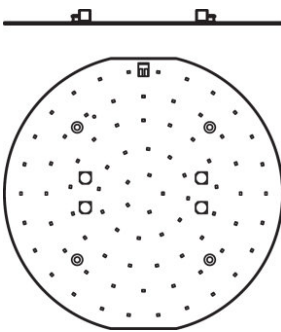
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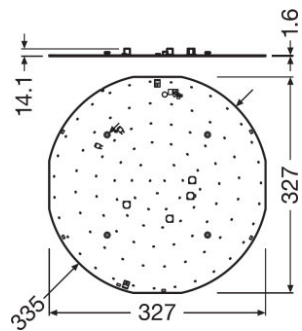
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727412_PL-FLAT-AC-PC-G2 2500



727420_PL-FLAT-AC-PC-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 PC G3
	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
4062172209427	PL-FLAT-AC PC-G3 1500-830	Shipping carton box 20	457 mm x 331 mm x 223 mm	33.73 dm ³	3360.00 g
4062172209441	PL-FLAT-AC PC-G3 1500-840	Shipping carton box 20	457 mm x 331 mm x 223 mm	33.73 dm ³	3360.00 g
4062172203425	PL-FLAT-AC PC-G3 2500-830	Shipping carton box 20	597 mm x 331 mm x 296 mm	58.49 dm ³	5148.00 g

Product family datasheet

Logistical Data

4062172203449	PL-FLAT-AC PC-G3 2500-840	Shipping carton box 20	597 mm x 331 mm x 296 mm	58.49 dm ³	5148.00 g
4062172212175	PL-FLAT-AC PC-G3 3300-830	Shipping carton box 20	788 mm x 332 mm x 398 mm	104.12 dm ³	6800.00 g
4062172212335	PL-FLAT-AC PC-G3 3300-840	Shipping carton box 20	788 mm x 332 mm x 398 mm	104.12 dm ³	6800.00 g
4062172212397	PL-FLAT-AC PC-G3 4000-830	Shipping carton box 20	505 mm x 452 mm x 458 mm	104.54 dm ³	10079.00 g
4062172212410	PL-FLAT-AC PC-G3 4000-840	Shipping carton box 20	505 mm x 452 mm x 458 mm	104.54 dm ³	10079.00 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 PC-G3 1500-830	PL-FLTP 170 G2	▶ 4052899969872
PL-FLAT-AC PC-G3 1500-840	PL-FLTP 170 G2	▶ 4052899969872
PL-FLAT-AC PC-G3 2500-830	PL-FLTP 240 G2	▶ 4052899969889
PL-FLAT-AC PC-G3 2500-840	PL-FLTP 240 G2	▶ 4052899969889
PL-FLAT-AC PC-G3 3300-840	PL-FLTP 335 G2	▶ 4052899530102
PL-FLAT-AC PC-G3 4000-830	PL-FLTP 415 G2	▶ 4052899968479
PL-FLAT-AC PC-G3 4000-840	PL-FLTP 415 G2	▶ 4052899968479

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.