

PrevaLED COIN 111 COB G1

LED modules with integrated optics and heat sink



Product family features

- Consistent white light: < 3 SDCM
- Color rendering index Ra: >80 and >90
- Luminous flux: 1,800...4,800 lm (model dependent)
- Beam angle: 15° (on demand), 24°, 40°, 60°
- Max. working voltage: 60 V (to be operated only on SELV LED control gear)

Product family benefits

- Compact design
- Compatible with conventional AR111 lamps
- High color temperature consistency throughout the whole module
- Multi-Shadow-free illumination thanks to single light source
- 5 year guarantee

Areas of application

- Retail outlets
- Shop lighting
- Restaurants
- Hospitality
- Museums, galleries
- Suitable for indoor applications



Product family datasheet

Technical data

Product description	Electrical data				Photometrical data	
	Nominal current	Nominal voltage	Type of current	Claimed equiv. conventional lamp power	Luminous efficacy	Light color (designation)
PL-CN111-COB- 1800-930-24D-G1 ¹⁾	05 A	360 V	DC	100 W	105 lm/W	Warm White
PL-CN111-COB- 1800-930-40D-G1 ¹⁾	05 A	360 V	DC	100 W	100 lm/W	Warm White
PL-CN111-COB- 1800-940-24D-G1 ¹⁾	05 A	359 V	DC	100 W	111 lm/W	Neutral White
PL-CN111-COB- 2800-840-24D-G1 ¹⁾	07 A	370 V	DC	100 W	112 lm/W	Neutral White
PL-CN111-COB- 2800-840-40D-G1 ¹⁾	07 A	370 V	DC	100 W	107 lm/W	Neutral White
PL-CN111-COB- 4300-830-40D-G1 ¹⁾	105 A	358 V	DC	100 W	115 lm/W	Warm White
PL-CN111-COB- 4300-840-24D-G1 ¹⁾	105 A	358 V	DC	100 W	127 lm/W	Neutral White
PL-CN111-COB- 4300-840-40D-G1 ¹⁾	105 A	358 V	DC	100 W	121 lm/W	Neutral White

Product description	Color rendering index Ra	Light technical data			Dimensions & weight	
		Starting time	Warm-up time (60 %)	Beam angle	Diameter	Product weight
PL-CN111-COB- 1800-930-24D-G1 ¹⁾	90	00 s	000 s	24 °	1110 mm	42500 g
PL-CN111-COB- 1800-930-40D-G1 ¹⁾	90	00 s	000 s	40 °	1110 mm	42500 g
PL-CN111-COB- 1800-940-24D-G1 ¹⁾	90	00 s	000 s	24 °	1110 mm	42500 g
PL-CN111-COB- 2800-840-24D-G1 ¹⁾	≥80	00 s	000 s	24 °	1110 mm	42500 g
PL-CN111-COB- 2800-840-40D-G1 ¹⁾	≥80	00 s	000 s	40 °	1110 mm	42500 g
PL-CN111-COB- 4300-830-40D-G1 ¹⁾	≥80	00 s	000 s	40 °	1110 mm	42500 g
PL-CN111-COB- 4300-840-24D-G1 ¹⁾	≥80	00 s	000 s	24 °	1110 mm	42500 g
PL-CN111-COB- 4300-840-40D-G1 ¹⁾	≥80	00 s	000 s	40 °	1110 mm	42500 g

Product description	Colors & materials	Temperatures & operating conditions		
	Heatsink color	Performance temp. acc. to IEC 62717	Maximum temperature at tc test point	Ambient temperature range
PL-CN111-COB- 1800-930-24D-G1 ¹⁾	Silver	55 °C	80 °C	-25...+40 °C
PL-CN111-COB- 1800-930-40D-G1 ¹⁾	Silver	55 °C	80 °C	-25...+40 °C
PL-CN111-COB- 1800-940-24D-G1 ¹⁾	Silver	55 °C	80 °C	-25...+40 °C
PL-CN111-COB- 2800-840-24D-G1 ¹⁾	Silver	65 °C	90 °C	-25...+40 °C
PL-CN111-COB- 2800-840-40D-G1 ¹⁾	Silver	65 °C	90 °C	-25...+40 °C
PL-CN111-COB- 4300-830-40D-G1 ¹⁾	Silver	75 °C	100 °C	-25...+40 °C
PL-CN111-COB- 4300-840-24D-G1 ¹⁾	Silver	75 °C	100 °C	-25...+40 °C
PL-CN111-COB- 4300-840-40D-G1 ¹⁾	Silver	75 °C	100 °C	-25...+40 °C

Product family datasheet

		Lifespan	Additional product data	Certificates & standards
Product description	Temperature range at storage	Number of switching cycles	Predecessor EAN	Standards
PL-CN111-COB- 1800-930-24D-G1 ¹⁾	-40...80 °C	100000	4052899323797	Acc. to IEC 62471/Acc. to IEC 60598-1/Acc. to EN 60529/Acc. to EN 62031/Acc. to EN 55015/Acc. to EN 61547
PL-CN111-COB- 1800-930-40D-G1 ¹⁾	-40...80 °C	100000	4052899323858	Acc. to IEC 62471/Acc. to IEC 60598-1/Acc. to EN 60529/Acc. to EN 62031/Acc. to EN 55015/Acc. to EN 61547
PL-CN111-COB- 1800-940-24D-G1 ¹⁾	-40...80 °C	100000		Acc. to IEC 62471/Acc. to IEC 60598-1/Acc. to EN 60529/Acc. to EN 62031/Acc. to EN 55015/Acc. to EN 61547
PL-CN111-COB- 2800-840-24D-G1 ¹⁾	-40...80 °C	100000	4052899323933	Acc. to IEC 62471/Acc. to IEC 60598-1/Acc. to EN 60529/Acc. to EN 62031/Acc. to EN 55015/Acc. to EN 61547
PL-CN111-COB- 2800-840-40D-G1 ¹⁾	-40...80 °C	100000	4052899323995	Acc. to IEC 62471/Acc. to IEC 60598-1/Acc. to EN 60529/Acc. to EN 62031/Acc. to EN 55015/Acc. to EN 61547
PL-CN111-COB- 4300-830-40D-G1 ¹⁾	-40...80 °C	100000	4052899324091	Acc. to IEC 62471/Acc. to IEC 60598-1/Acc. to EN 60529/Acc. to EN 62031/Acc. to EN 55015/Acc. to EN 61547
PL-CN111-COB- 4300-840-24D-G1 ¹⁾	-40...80 °C	100000	4052899324039	Acc. to IEC 62471/Acc. to IEC 60598-1/Acc. to EN 60529/Acc. to EN 62031/Acc. to EN 55015/Acc. to EN 61547
PL-CN111-COB- 4300-840-40D-G1 ¹⁾	-40...80 °C	100000	4052899324121	Acc. to IEC 62471/Acc. to IEC 60598-1/Acc. to EN 60529/Acc. to EN 62031/Acc. to EN 55015/Acc. to EN 61547

Product description	Logistical data	Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)		
	Commodity code	Date of Declaration	Primary Article Identifier	Candidate List Substance 1
PL-CN111-COB- 1800-930-24D-G1 ¹⁾	853951000000	18-04-2022	4052899541412	No declarable substances contained
PL-CN111-COB- 1800-930-40D-G1 ¹⁾	853951000000	18-04-2022	4052899541436	No declarable substances contained

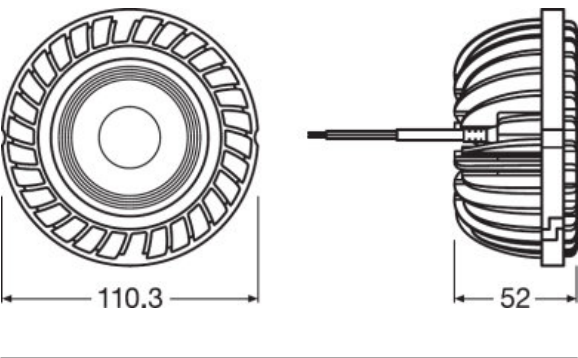
Product family datasheet

	Logistical data	Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)		
Product description	Commodity code	Date of Declaration	Primary Article Identifier	Candidate List Substance 1
PL-CN111-COB- 1800-940-24D-G1 ¹⁾	85395100000	18-04-2022	4052899541474	No declarable substances contained
PL-CN111-COB- 2800-840-24D-G1 ¹⁾	85395100000	18-04-2022	4052899541573	No declarable substances contained
PL-CN111-COB- 2800-840-40D-G1 ¹⁾	853951000000	18-04-2022	4052899541597	No declarable substances contained
PL-CN111-COB- 4300-830-40D-G1 ¹⁾	85395100000	18-04-2022	4052899541658	No declarable substances contained
PL-CN111-COB- 4300-840-24D-G1 ¹⁾	85395100000	18-04-2022	4052899541696	No declarable substances contained
PL-CN111-COB- 4300-840-40D-G1 ¹⁾	853951000000	18-04-2022	4052899541719	No declarable substances contained

Product description	Declaration No. in SCIP database
PL-CN111-COB- 1800-930-24D-G1 ¹⁾	No declarable substances contained
PL-CN111-COB- 1800-930-40D-G1 ¹⁾	No declarable substances contained
PL-CN111-COB- 1800-940-24D-G1 ¹⁾	No declarable substances contained
PL-CN111-COB- 2800-840-24D-G1 ¹⁾	No declarable substances contained
PL-CN111-COB- 2800-840-40D-G1 ¹⁾	No declarable substances contained
PL-CN111-COB- 4300-830-40D-G1 ¹⁾	No declarable substances contained
PL-CN111-COB- 4300-840-24D-G1 ¹⁾	No declarable substances contained
PL-CN111-COB- 4300-840-40D-G1 ¹⁾	No declarable substances contained

¹⁾ Modules perfectly matched to OSRAM OPTOTRONIC LED drivers (see relevant table)/For current photometric data and important safety, installation and application information (see www.osram.com/led-systems)./All the technical parameters apply to the entire module. In view of the complex manufacturing process for light emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values/Tolerance for optical and electrical data: +/-10%

Product family datasheet



COIN 111 COB G1

Application advice

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

Sales and Technical Support

Sales and Technical Support www.osram.com

Download Data

File	
	Certificates PL ENEC 40031612 250723
	Certificates CQC certificate
	Declarations of conformity EU Declaration of Conformity of PL-CN COB G1 family
	CAD data PL COIN 111 COB G1 STEP 170719
	Eulumdat PL CN111 COB 1800 930 24D G1 LDT 300420
	IES data PL-CN111-COB-1800-930-24D-G1
	Eulumdat PL CN111 COB 1800 930 40D G1 LDT 300420
	IES data PL-CN111-COB-1800-930-40D-G1
	Eulumdat PL CN111 COB 1800 940 24D G1 LDT 300420

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	IES data PL-CN111-COB-1800-940-24D-G1
	Eulumdat PL CN111 COB 2800 840 15D G1 LDT 300420
	IES data PL-CN111-COB-2800-840-24D-G1
	Eulumdat PL CN111 COB 2800 840 24D G1 LDT 300420
	IES data PL-CN111-COB-2800-840-40D-G1
	Eulumdat PL CN111 COB 4300 830 40D G1 LDT 300420
	IES data PL-CN111-COB-4300-830-40D-G1
	Eulumdat PL CN111 COB 4300 840 24D G1 LDT 300420
	IES data PL-CN111-COB-4300-840-24D-G1
	Eulumdat PL CN111 COB 4300 840 40D G1 LDT 300420
	IES data PL-CN111-COB-4300-840-40D-G1

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
4052899541412	PL-CN111-COB- 1800-930-24D-G1	Shipping carton box 12	280 mm x 254 mm x 209 mm	14.86 dm ³	5922.00 g
4052899541436	PL-CN111-COB- 1800-930-40D-G1	Shipping carton box 12	280 mm x 254 mm x 209 mm	14.86 dm ³	5922.00 g
4052899541474	PL-CN111-COB- 1800-940-24D-G1	Shipping carton box 12	280 mm x 254 mm x 209 mm	14.86 dm ³	5922.00 g
4052899541573	PL-CN111-COB- 2800-840-24D-G1	Shipping carton box 12	280 mm x 254 mm x 209 mm	14.86 dm ³	5922.00 g

Product family datasheet

Logistical Data

4052899541597	PL-CN111-COB- 2800-840-40D-G1	Shipping carton box 12	280 mm x 254 mm x 209 mm	14.86 dm ³	5922.00 g
4052899541658	PL-CN111-COB- 4300-830-40D-G1	Shipping carton box 12	280 mm x 254 mm x 209 mm	14.86 dm ³	5922.00 g
4052899541696	PL-CN111-COB- 4300-840-24D-G1	Shipping carton box 12	280 mm x 254 mm x 209 mm	14.86 dm ³	5922.00 g
4052899541719	PL-CN111-COB- 4300-840-40D-G1	Shipping carton box 12	280 mm x 254 mm x 209 mm	14.86 dm ³	5922.00 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.

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.