

## PrevaLED COIN 111

– Light engines



### Areas of application

- LED replacement for halogen and HCl reflector lamps
- Hospitality
- Shop lighting
- Museums, galleries
- Offices

### Product benefits

- Improved fixing compared to previous version COINlight AR111
- Easy and quick design-in

### Product features

- LED engine available with 24° or 40° beam angle
- Versions with color rendering index  $R_a$  90 available
- Integrated heat sink and lens optics
- Dimmable (with many common dimmers)



# Product family datasheet

## Technical data

### Electrical data

Product description	Nominal wattage	Rated wattage	Nominal current	Nominal voltage	Type of current
PL-CN 111-1200-930-24D-G1	18.0 W	18.00 W	0.7 A	25.6 V	DC
PL-CN 111-1200-930-40D-G1	18.0 W	18.00 W	0.7 A	25.6 V	DC
PL-CN 111-1200-940-24D-G1	18.0 W	18.00 W	0.7 A	25.6 V	DC
PL-CN 111-1200-940-40D-G1	18.0 W	18.00 W	0.7 A	25.6 V	DC
PL-CN 111-1800-830-24D-G1	22.5 W	22.50 W	0.7 A	32.0 V	DC
PL-CN 111-1800-830-40D-G1	22.5 W	22.50 W	0.7 A	32.0 V	DC
PL-CN 111-1800-840-24D-G1	22.5 W	22.50 W	0.7 A	32.0 V	DC
PL-CN 111-1800-840-40D-G1	22.5 W	22.50 W	0.7 A	32.0 V	DC
PL-CN 111-2700-830-24D-G1	33.8 W	33.80 W	1.05 A	32.0 V	DC
PL-CN 111-2700-830-40D-G1	33.8 W	33.80 W	1.05 A	32.0 V	DC
PL-CN 111-2700-840-24D-G1	33.8 W	33.80 W	1.05 A	32.0 V	DC
PL-CN 111-2700-840-40D-G1	33.8 W	33.80 W	1.05 A	32.0 V	DC

Product description	Claimed equiv. conventional lamp power
PL-CN 111-1200-930-24D-G1	100 W
PL-CN 111-1200-930-40D-G1	100 W
PL-CN 111-1200-940-24D-G1	100 W
PL-CN 111-1200-940-40D-G1	100 W
PL-CN 111-1800-830-24D-G1	100 W
PL-CN 111-1800-830-40D-G1	100 W
PL-CN 111-1800-840-24D-G1	100 W
PL-CN 111-1800-840-40D-G1	100 W
PL-CN 111-2700-830-24D-G1	100 W
PL-CN 111-2700-830-40D-G1	100 W
PL-CN 111-2700-840-24D-G1	100 W
PL-CN 111-2700-840-40D-G1	100 W

## Product family datasheet

### Photometrical data

Product description	Total useful luminous flux	Color temperature	Color rendering index Ra	Standard deviation of color matching	Luminous intensity	Rated peak intensity
PL-CN 111-1200-930-24D-G1	1230 lm	3000 K	92	≤4 sdc	5040 cd	5040 cd
PL-CN 111-1200-930-40D-G1	1230 lm	3000 K	92	≤4 sdc	2335 cd	2335 cd
PL-CN 111-1200-940-24D-G1	1300 lm	4000 K	92	≤4 sdc	5325 cd	5325 cd
PL-CN 111-1200-940-40D-G1	1300 lm	4000 K	92	≤4 sdc	2465 cd	2465 cd
PL-CN 111-1800-830-24D-G1	1880 lm	3000 K	83	≤4 sdc	7705 cd	7705 cd
PL-CN 111-1800-830-40D-G1	1880 lm	3000 K	83	≤4 sdc	3570 cd	3570 cd
PL-CN 111-1800-840-24D-G1	1990 lm	4000 K	83	≤4 sdc	8155 cd	8155 cd
PL-CN 111-1800-840-40D-G1	1990 lm	4000 K	83	≤4 sdc	3780 cd	3780 cd
PL-CN 111-2700-830-24D-G1	2740 lm	3000 K	83	≤4 sdc	11230 cd	11230 cd
PL-CN 111-2700-830-40D-G1	2740 lm	3000 K	83	≤4 sdc	5200 cd	5200 cd
PL-CN 111-2700-840-24D-G1	2900 lm	4000 K	83	≤4 sdc	11885 cd	11885 cd
PL-CN 111-2700-840-40D-G1	2900 lm	4000 K	83	≤4 sdc	5505 cd	5505 cd

Product description	Nominal useful luminous flux 90°	Rated useful luminous flux 90°
PL-CN 111-1200-930-24D-G1	1130 lm	1130 lm
PL-CN 111-1200-930-40D-G1	1130 lm	1130 lm
PL-CN 111-1200-940-24D-G1	1200 lm	1200 lm
PL-CN 111-1200-940-40D-G1	1200 lm	1200 lm
PL-CN 111-1800-830-24D-G1	1740 lm	1740 lm
PL-CN 111-1800-830-40D-G1	1740 lm	1740 lm
PL-CN 111-1800-840-24D-G1	1850 lm	1850 lm
PL-CN 111-1800-840-40D-G1	1850 lm	1850 lm
PL-CN 111-2700-830-24D-G1	2550 lm	2550 lm
PL-CN 111-2700-830-40D-G1	2550 lm	2550 lm
PL-CN 111-2700-840-24D-G1	2700 lm	2700 lm
PL-CN 111-2700-840-40D-G1	2700 lm	2770 lm

# Product family datasheet

## Light technical data

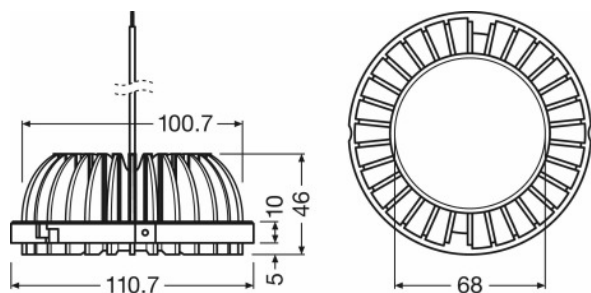
Product description	Nominal beam angle	Rated beam angle (half peak value)	Starting time	Warm-up time (60 %)
PL-CN 111-1200-930-24D-G1	24 °	24.00 °	< 0.1 s	< 2.00 s
PL-CN 111-1200-930-40D-G1	40 °	40.00 °	< 0.1 s	< 2.00 s
PL-CN 111-1200-940-24D-G1	24 °	24.00 °	< 0.1 s	< 2.00 s
PL-CN 111-1200-940-40D-G1	40 °	40.00 °	< 0.1 s	< 2.00 s
PL-CN 111-1800-830-24D-G1	24 °	24.00 °	< 0.1 s	< 2.00 s
PL-CN 111-1800-830-40D-G1	40 °	40.00 °	< 0.1 s	< 2.00 s
PL-CN 111-1800-840-24D-G1	24 °	24.00 °	< 0.1 s	< 2.00 s
PL-CN 111-1800-840-40D-G1	40 °	40.00 °	< 0.1 s	< 2.00 s
PL-CN 111-2700-830-24D-G1	24 °	24.00 °	< 0.1 s	< 2.00 s
PL-CN 111-2700-830-40D-G1	40 °	40.00 °	< 0.1 s	< 2.00 s
PL-CN 111-2700-840-24D-G1	24 °	24.00 °	< 0.1 s	< 2.00 s
PL-CN 111-2700-840-40D-G1	40 °	40.00 °	< 0.1 s	< 2.00 s

## Dimensions & weight

Product description	Diameter	Rated height	Cable length	Product weight
PL-CN 111-1200-930-24D-G1	110.7 mm	46.00 mm	500.0 mm	290.00 g
PL-CN 111-1200-930-40D-G1	110.7 mm	46.00 mm	500.0 mm	290.00 g
PL-CN 111-1200-940-24D-G1	110.7 mm	46.00 mm	500.0 mm	290.00 g
PL-CN 111-1200-940-40D-G1	110.7 mm	46.00 mm	500.0 mm	290.00 g
PL-CN 111-1800-830-24D-G1	110.7 mm	46.00 mm	500.0 mm	290.00 g
PL-CN 111-1800-830-40D-G1	110.7 mm	46.00 mm	500.0 mm	290.00 g
PL-CN 111-1800-840-24D-G1	110.7 mm	46.00 mm	500.0 mm	290.00 g
PL-CN 111-1800-840-40D-G1	110.7 mm	46.00 mm	500.0 mm	290.00 g
PL-CN 111-2700-830-24D-G1	110.7 mm	46.00 mm	500.0 mm	292.00 g
PL-CN 111-2700-830-40D-G1	110.7 mm	46.00 mm	500.0 mm	292.00 g
PL-CN 111-2700-840-24D-G1	110.7 mm	46.00 mm	500.0 mm	292.00 g
PL-CN 111-2700-840-40D-G1	110.7 mm	46.00 mm	500.0 mm	292.00 g

# Product family datasheet

## Product line drawing



PL-CN 111-1200-930-24D-G1, PL-CN 111-1200-930-40D-G1, PL-CN 111-1200-940-24D-G1, PL-CN 111-1200-940-40D-G1, PL-CN 111-1800-830-24D-G1, PL-CN 111-1800-830-40D-G1, PL-CN 111-1800-840-24D-G1, PL-CN 111-1800-840-40D-G1, PL-CN 111-2700-830-24D-G1, PL-CN 111-2700-830-40D-G1, PL-CN 111-2700-840-24D-G1, PL-CN 111-2700-840-40D-G1

## Temperatures

Product description	Maximum temperature at tc test point	Ambient temperature range	Temperature range at storage
PL-CN 111-1200-930-24D-G1	85 °C	-25...+40 °C	-40...80 °C
PL-CN 111-1200-930-40D-G1	85 °C	-25...+40 °C	-40...80 °C
PL-CN 111-1200-940-24D-G1	85 °C	-25...+40 °C	-40...80 °C
PL-CN 111-1200-940-40D-G1	85 °C	-25...+40 °C	-40...80 °C
PL-CN 111-1800-830-24D-G1	85 °C	-25...+40 °C	-40...80 °C
PL-CN 111-1800-830-40D-G1	85 °C	-25...+40 °C	-40...80 °C
PL-CN 111-1800-840-24D-G1	85 °C	-25...+40 °C	-40...80 °C
PL-CN 111-1800-840-40D-G1	85 °C	-25...+40 °C	-40...80 °C
PL-CN 111-2700-830-24D-G1	85 °C	-25...+40 °C	-40...80 °C
PL-CN 111-2700-830-40D-G1	85 °C	-25...+40 °C	-40...80 °C
PL-CN 111-2700-840-24D-G1	85 °C	-25...+40 °C	-40...80 °C
PL-CN 111-2700-840-40D-G1	85 °C	-25...+40 °C	-40...80 °C

## Product family datasheet

### Lifespan

Product description	Lumen main. fact. at end of nom. life time	Lifespan	Nominal lamp life time	Rated lamp life time	Number of switching cycles
PL-CN 111-1200-930-24D-G1	0.70	50000 h	50000 h	50000 h	25000
PL-CN 111-1200-930-40D-G1	0.70	50000 h	50000 h	50000 h	25000
PL-CN 111-1200-940-24D-G1	0.70	50000 h	50000 h	50000 h	25000
PL-CN 111-1200-940-40D-G1	0.70	50000 h	50000 h	50000 h	25000
PL-CN 111-1800-830-24D-G1	0.70	50000 h	50000 h	50000 h	25000
PL-CN 111-1800-830-40D-G1	0.70	50000 h	50000 h	50000 h	25000
PL-CN 111-1800-840-24D-G1	0.70	50000 h	50000 h	50000 h	25000
PL-CN 111-1800-840-40D-G1	0.70	50000 h	50000 h	50000 h	25000
PL-CN 111-2700-830-24D-G1	0.70	50000 h	50000 h	50000 h	25000
PL-CN 111-2700-830-40D-G1	0.70	50000 h	50000 h	50000 h	25000
PL-CN 111-2700-840-24D-G1	0.70	50000 h	50000 h	50000 h	25000
PL-CN 111-2700-840-40D-G1	0.70	50000 h	50000 h	50000 h	25000

### Capabilities

Product description	Dimmable
PL-CN 111-1200-930-24D-G1	Yes
PL-CN 111-1200-930-40D-G1	Yes
PL-CN 111-1200-940-24D-G1	Yes
PL-CN 111-1200-940-40D-G1	Yes
PL-CN 111-1800-830-24D-G1	Yes
PL-CN 111-1800-830-40D-G1	Yes
PL-CN 111-1800-840-24D-G1	Yes
PL-CN 111-1800-840-40D-G1	Yes
PL-CN 111-2700-830-24D-G1	Yes
PL-CN 111-2700-830-40D-G1	Yes
PL-CN 111-2700-840-24D-G1	Yes
PL-CN 111-2700-840-40D-G1	Yes

# Product family datasheet

## Certificates & standards

Product description	Energy consumption	Standards
PL-CN 111-1200-930-24D-G1	20 kWh/1000h	Acc. to EN 55015/Acc. to EN 61547/Acc. to IEC 60598-1/Acc. to IEC 62031/Acc. to IEC 62471/UL-94/UL-8750
PL-CN 111-1200-930-40D-G1	20 kWh/1000h	Acc. to EN 55015/Acc. to EN 61547/Acc. to IEC 60598-1/Acc. to IEC 62031/Acc. to IEC 62471/UL-94/UL-8750
PL-CN 111-1200-940-24D-G1	20 kWh/1000h	Acc. to EN 55015/Acc. to EN 61547/Acc. to IEC 60598-1/Acc. to IEC 62031/Acc. to IEC 62471/UL-94/UL-8750
PL-CN 111-1200-940-40D-G1	20 kWh/1000h	Acc. to EN 55015/Acc. to EN 61547/Acc. to IEC 60598-1/Acc. to IEC 62031/Acc. to IEC 62471/UL-94/UL-8750
PL-CN 111-1800-830-24D-G1	25 kWh/1000h	Acc. to EN 55015/Acc. to EN 61547/Acc. to IEC 60598-1/Acc. to IEC 62031/Acc. to IEC 62471/UL-94/UL-8750
PL-CN 111-1800-830-40D-G1	25 kWh/1000h	Acc. to EN 55015/Acc. to EN 61547/Acc. to IEC 60598-1/Acc. to IEC 62031/Acc. to IEC 62471/UL-94/UL-8750
PL-CN 111-1800-840-24D-G1	25 kWh/1000h	Acc. to EN 55015/Acc. to EN 61547/Acc. to IEC 60598-1/Acc. to IEC 62031/Acc. to IEC 62471/UL-94/UL-8750
PL-CN 111-1800-840-40D-G1	25 kWh/1000h	Acc. to EN 55015/Acc. to EN 61547/Acc. to IEC 60598-1/Acc. to IEC 62031/Acc. to IEC 62471/UL-94/UL-8750
PL-CN 111-2700-830-24D-G1	38 kWh/1000h	Acc. to EN 55015/Acc. to EN 61547/Acc. to IEC 60598-1/Acc. to IEC 62031/Acc. to IEC 62471/UL-94/UL-8750
PL-CN 111-2700-830-40D-G1	38 kWh/1000h	Acc. to EN 55015/Acc. to EN 61547/Acc. to IEC 60598-1/Acc. to IEC 62031/Acc. to IEC 62471/UL-94/UL-8750
PL-CN 111-2700-840-24D-G1	38 kWh/1000h	Acc. to EN 55015/Acc. to EN 61547/Acc. to IEC 60598-1/Acc. to IEC 62031/Acc. to IEC 62471/UL-94/UL-8750
PL-CN 111-2700-840-40D-G1	38 kWh/1000h	Acc. to EN 55015/Acc. to EN 61547/Acc. to IEC 60598-1/Acc. to IEC 62031/Acc. to IEC 62471/UL-94/UL-8750

Product description	Energy efficiency class
PL-CN 111-1200-930-24D-G1	A
PL-CN 111-1200-930-40D-G1	A
PL-CN 111-1200-940-24D-G1	A
PL-CN 111-1200-940-40D-G1	A
PL-CN 111-1800-830-24D-G1	A
PL-CN 111-1800-830-40D-G1	A
PL-CN 111-1800-840-24D-G1	A
PL-CN 111-1800-840-40D-G1	A
PL-CN 111-2700-830-24D-G1	A
PL-CN 111-2700-830-40D-G1	A
PL-CN 111-2700-840-24D-G1	A
PL-CN 111-2700-840-40D-G1	A

# Product family datasheet

## Logistical data

Product description	Temperature range at storage
PL-CN 111-1200-930-24D-G1	-40...80 °C
PL-CN 111-1200-930-40D-G1	-40...80 °C
PL-CN 111-1200-940-24D-G1	-40...80 °C
PL-CN 111-1200-940-40D-G1	-40...80 °C
PL-CN 111-1800-830-24D-G1	-40...80 °C
PL-CN 111-1800-830-40D-G1	-40...80 °C
PL-CN 111-1800-840-24D-G1	-40...80 °C
PL-CN 111-1800-840-40D-G1	-40...80 °C
PL-CN 111-2700-830-24D-G1	-40...80 °C
PL-CN 111-2700-830-40D-G1	-40...80 °C
PL-CN 111-2700-840-24D-G1	-40...80 °C
PL-CN 111-2700-840-40D-G1	-40...80 °C

---

## Equipment / Accessories

- Optimised for operation with OSRAM OPTOTRONIC ECGs

---

## Application advice

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






---

## Sales and Technical Support

Sales and Technical Support [www.osram.com](http://www.osram.com)














---

## Download Data

File
 Product Datasheet Technical Datasheet: PrevaLED COIN PL CN111 G1
 Certificates PrevaLED COIN UL Certificate
 Declarations of conformity CE Declaration of Conformity: PrevaLED COIN 111 G1
 Declarations of conformity EC declaration PrevaLED COIN111
 CAD data 3-dim CAD: PrevaLED COIN 111 G1



## Product family datasheet

	CAD data PDF PL CN111 G1 -3D Image
	Eulumat PrevaLED Coin 111 G1: EULUMDAT
	Eulumat PrevaLED Coin 111 G1: EULUMDAT
	Eulumat PrevaLED Coin 111 G1: EULUMDAT
	Eulumat PrevaLED Coin 111 G1: EULUMDAT
	Eulumat PrevaLED Coin 111 G1: EULUMDAT
	Eulumat PrevaLED Coin 111 G1: EULUMDAT
	Eulumat PrevaLED Coin 111 G1: EULUMDAT
	Eulumat PrevaLED Coin 111 G1: EULUMDAT
	Eulumat PrevaLED Coin 111 G1: EULUMDAT
	Eulumat PrevaLED Coin 111 G1: EULUMDAT
	Eulumat PrevaLED Coin 111 G1: EULUMDAT
	Eulumat PrevaLED Coin 111 G1: EULUMDAT

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899918191	PL-CN 111-1200-930-24D-G1	Shipping carton box 12	277 mm x 250 mm x 190 mm	13.16 dm <sup>3</sup>	4286.00 g
4052899918214	PL-CN 111-1200-930-40D-G1	Shipping carton box 12	277 mm x 250 mm x 190 mm	13.16 dm <sup>3</sup>	4286.00 g
4052899918207	PL-CN 111-1200-940-24D-G1	Shipping carton box 12	277 mm x 250 mm x 190 mm	13.16 dm <sup>3</sup>	4286.00 g
4052899918221	PL-CN 111-1200-940-40D-G1	Shipping carton box 12	277 mm x 250 mm x 190 mm	13.16 dm <sup>3</sup>	4286.00 g
4052899918238	PL-CN 111-1800-830-24D-G1	Shipping carton box 12	277 mm x 250 mm x 190 mm	13.16 dm <sup>3</sup>	4286.00 g
4052899918252	PL-CN 111-1800-830-40D-G1	Shipping carton box 12	277 mm x 250 mm x 190 mm	13.16 dm <sup>3</sup>	4286.00 g
4052899918245	PL-CN 111-1800-840-24D-G1	Shipping carton box 12	277 mm x 250 mm x 190 mm	13.16 dm <sup>3</sup>	4286.00 g

## Product family datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899918269	PL-CN 111-1800-840-40D-G1	Shipping carton box 12	277 mm x 250 mm x 190 mm	13.16 dm <sup>3</sup>	4381.00 g
4052899918276	PL-CN 111-2700-830-24D-G1	Shipping carton box 12	277 mm x 250 mm x 190 mm	13.16 dm <sup>3</sup>	4361.00 g
4052899918290	PL-CN 111-2700-830-40D-G1	Shipping carton box 12	277 mm x 250 mm x 190 mm	13.16 dm <sup>3</sup>	4286.00 g
4052899918283	PL-CN 111-2700-840-24D-G1	Shipping carton box 12	277 mm x 250 mm x 190 mm	13.16 dm <sup>3</sup>	4337.00 g
4052899918306	PL-CN 111-2700-840-40D-G1	Shipping carton box 12	277 mm x 250 mm x 190 mm	13.16 dm <sup>3</sup>	4286.00 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 system guarantee and the terms and conditions of the guarantee visit

▶ [www.osram.com/system-guarantee](http://www.osram.com/system-guarantee)

---

### Disclaimer

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