

## PrevaLED COIN 50

– 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 Pro
- 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)
- Fits into standard MR16 luminaires



# Product family datasheet

## Technical data

### Electrical data

Product description	Nominal wattage	Rated wattage	Nominal current	Nominal voltage	Type of current
PL-CN 50-700-930-24D-G1	11.3 W	11.30 W	0.35 A	32.0 V	DC
PL-CN 50-700-930-40D-G1	11.3 W	11.30 W	0.35 A	32.0 V	DC
PL-CN 50-700-940-24D-G1	11.3 W	11.30 W	0.35 A	32.0 V	DC
PL-CN 50-700-940-40D-G1	11.3 W	11.30 W	0.35 A	32.0 V	DC
PL-CN 50-900-830-24D-G1	11.3 W	11.30 W	0.35 A	32.0 V	DC
PL-CN 50-900-830-40D-G1	11.3 W	11.30 W	0.35 A	32.0 V	DC
PL-CN 50-900-840-24D-G1	11.3 W	11.30 W	0.35 A	32.0 V	DC
PL-CN 50-900-840-40D-G1	11.3 W	11.30 W	0.35 A	32.0 V	DC
PL-CN 50-1100-830-24D-G1	13.5 W	13.50 W	0.35 A	38.4 V	DC
PL-CN 50-1100-830-40D-G1	13.5 W	13.50 W	0.35 A	38.4 V	DC
PL-CN 50-1100-840-24D-G1	13.5 W	13.50 W	0.35 A	38.4 V	DC
PL-CN 50-1100-840-40D-G1	13.5 W	13.50 W	0.35 A	38.4 V	DC

Product description	Claimed equiv. conventional lamp power
PL-CN 50-700-930-24D-G1	50 W
PL-CN 50-700-930-40D-G1	50 W
PL-CN 50-700-940-24D-G1	50 W
PL-CN 50-700-940-40D-G1	50 W
PL-CN 50-900-830-24D-G1	50 W
PL-CN 50-900-830-40D-G1	50 W
PL-CN 50-900-840-24D-G1	50 W
PL-CN 50-900-840-40D-G1	50 W
PL-CN 50-1100-830-24D-G1	50 W
PL-CN 50-1100-830-40D-G1	50 W
PL-CN 50-1100-840-24D-G1	50 W
PL-CN 50-1100-840-40D-G1	50 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 50-700-930-24D-G1	750 lm	3000 K	92	≤4 sdc	3070 cd	3070 cd
PL-CN 50-700-930-40D-G1	750 lm	3000 K	92	≤4 sdc	1420 cd	1420 cd
PL-CN 50-700-940-24D-G1	790 lm	4000 K	92	≤4 sdc	3235 cd	3235 cd
PL-CN 50-700-940-40D-G1	790 lm	4000 K	92	≤4 sdc	1500 cd	1500 cd
PL-CN 50-900-830-24D-G1	920 lm	3000 K	83	≤4 sdc	3770 cd	3770 cd
PL-CN 50-900-830-40D-G1	920 lm	3000 K	83	≤4 sdc	1745 cd	1745 cd
PL-CN 50-900-840-24D-G1	980 lm	4000 K	83	≤4 sdc	4015 cd	4015 cd
PL-CN 50-900-840-40D-G1	980 lm	4000 K	83	≤4 sdc	1860 cd	1860 cd
PL-CN 50-1100-830-24D-G1	1080 lm	3000 K	83	≤4 sdc	4425 cd	4425 cd
PL-CN 50-1100-830-40D-G1	1080 lm	3000 K	83	≤4 sdc	2050 cd	2025 cd
PL-CN 50-1100-840-24D-G1	1150 lm	4000 K	83	≤4 sdc	4710 cd	4710 cd
PL-CN 50-1100-840-40D-G1	1150 lm	4000 K	83	≤4 sdc	2180 cd	2180 cd

Product description	Nominal useful luminous flux 90°	Rated useful luminous flux 90°
PL-CN 50-700-930-24D-G1	680 lm	680 lm
PL-CN 50-700-930-40D-G1	680 lm	680 lm
PL-CN 50-700-940-24D-G1	720 lm	720 lm
PL-CN 50-700-940-40D-G1	720 lm	720 lm
PL-CN 50-900-830-24D-G1	840 lm	840 lm
PL-CN 50-900-830-40D-G1	840 lm	840 lm
PL-CN 50-900-840-24D-G1	900 lm	900 lm
PL-CN 50-900-840-40D-G1	900 lm	900 lm
PL-CN 50-1100-830-24D-G1	990 lm	990 lm
PL-CN 50-1100-830-40D-G1	990 lm	990 lm
PL-CN 50-1100-840-24D-G1	1060 lm	1060 lm
PL-CN 50-1100-840-40D-G1	1060 lm	1060 lm

# Product family datasheet

## Light technical data

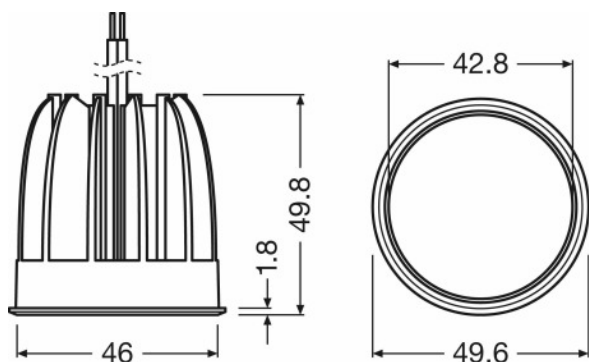
Product description	Nominal beam angle	Rated beam angle (half peak value)	Starting time	Warm-up time (60 %)
PL-CN 50-700-930-24D-G1	24 °	24.00 °	< 0.1 s	< 2.00 s
PL-CN 50-700-930-40D-G1	40 °	40.00 °	< 0.1 s	< 2.00 s
PL-CN 50-700-940-24D-G1	24 °	24.00 °	< 0.1 s	< 2.00 s
PL-CN 50-700-940-40D-G1	40 °	40.00 °	< 0.1 s	< 2.00 s
PL-CN 50-900-830-24D-G1	24 °	24.00 °	< 0.1 s	< 2.00 s
PL-CN 50-900-830-40D-G1	40 °	40.00 °	< 0.1 s	< 2.00 s
PL-CN 50-900-840-24D-G1	24 °	24.00 °	< 0.1 s	< 2.00 s
PL-CN 50-900-840-40D-G1	40 °	40.00 °	< 0.1 s	< 2.00 s
PL-CN 50-1100-830-24D-G1	24 °	24.00 °	< 0.1 s	< 2.00 s
PL-CN 50-1100-830-40D-G1	40 °	40.00 °	< 0.1 s	< 2.00 s
PL-CN 50-1100-840-24D-G1	24 °	24.00 °	< 0.1 s	< 2.00 s
PL-CN 50-1100-840-40D-G1	40 °	40.00 °	< 0.1 s	< 2.00 s

## Dimensions & weight

Product description	Diameter	Rated height	Cable length	Product weight
PL-CN 50-700-930-24D-G1	46.0 mm	50.00 mm	500.0 mm	80.00 g
PL-CN 50-700-930-40D-G1	46.0 mm	50.00 mm	500.0 mm	80.00 g
PL-CN 50-700-940-24D-G1	46.0 mm	50.00 mm	500.0 mm	80.00 g
PL-CN 50-700-940-40D-G1	46.0 mm	50.00 mm	500.0 mm	80.00 g
PL-CN 50-900-830-24D-G1	46.0 mm	50.00 mm	500.0 mm	80.00 g
PL-CN 50-900-830-40D-G1	46.0 mm	50.00 mm	500.0 mm	80.00 g
PL-CN 50-900-840-24D-G1	46.0 mm	50.00 mm	500.0 mm	80.00 g
PL-CN 50-900-840-40D-G1	46.0 mm	50.00 mm	500.0 mm	80.00 g
PL-CN 50-1100-830-24D-G1	46.0 mm	50.00 mm	500.0 mm	80.00 g
PL-CN 50-1100-830-40D-G1	46.0 mm	50.00 mm	500.0 mm	80.00 g
PL-CN 50-1100-840-24D-G1	46.0 mm	50.00 mm	500.0 mm	80.00 g
PL-CN 50-1100-840-40D-G1	46.0 mm	50.00 mm	500.0 mm	80.00 g

# Product family datasheet

## Product line drawing



PL-CN 50-700-930-24D-G1, PL-CN 50-700-930-40D-G1,  
 PL-CN 50-700-940-24D-G1, PL-CN 50-700-940-40D-G1,  
 PL-CN 50-900-830-24D-G1, PL-CN 50-900-830-40D-G1,  
 PL-CN 50-900-840-24D-G1, PL-CN 50-900-840-40D-G1,  
 PL-CN 50-1100-830-24D-G1, PL-CN 50-1100-830-40D-G1,  
 PL-CN 50-1100-840-24D-G1, PL-CN 50-1100-840-40D-G1

## Temperatures

Product description	Maximum temperature at tc test point	Ambient temperature range	Temperature range at storage
PL-CN 50-700-930-24D-G1	95 °C	-25...+40 °C	-40...80 °C
PL-CN 50-700-930-40D-G1	95 °C	-25...+40 °C	-40...80 °C
PL-CN 50-700-940-24D-G1	95 °C	-25...+40 °C	-40...80 °C
PL-CN 50-700-940-40D-G1	95 °C	-25...+40 °C	-40...80 °C
PL-CN 50-900-830-24D-G1	95 °C	-25...+40 °C	-40...80 °C
PL-CN 50-900-830-40D-G1	95 °C	-25...+40 °C	-40...80 °C
PL-CN 50-900-840-24D-G1	95 °C	-25...+40 °C	-40...80 °C
PL-CN 50-900-840-40D-G1	95 °C	-25...+40 °C	-40...80 °C
PL-CN 50-1100-830-24D-G1	95 °C	-25...+40 °C	-40...80 °C
PL-CN 50-1100-830-40D-G1	95 °C	-25...+40 °C	-40...80 °C
PL-CN 50-1100-840-24D-G1	95 °C	-25...+40 °C	-40...80 °C
PL-CN 50-1100-840-40D-G1	95 °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 50-700-930-24D-G1	0.70	50000 h	50000 h	50000 h	25000
PL-CN 50-700-930-40D-G1	0.70	50000 h	50000 h	50000 h	25000
PL-CN 50-700-940-24D-G1	0.70	50000 h	50000 h	50000 h	25000
PL-CN 50-700-940-40D-G1	0.70	50000 h	50000 h	50000 h	25000
PL-CN 50-900-830-24D-G1	0.70	50000 h	50000 h	50000 h	25000
PL-CN 50-900-830-40D-G1	0.70	50000 h	50000 h	50000 h	25000
PL-CN 50-900-840-24D-G1	0.70	50000 h	50000 h	50000 h	25000
PL-CN 50-900-840-40D-G1	0.70	50000 h	50000 h	50000 h	25000
PL-CN 50-1100-830-24D-G1	0.70	50000 h	50000 h	50000 h	25000
PL-CN 50-1100-830-40D-G1	0.70	50000 h	50000 h	50000 h	25000
PL-CN 50-1100-840-24D-G1	0.70	50000 h	50000 h	50000 h	25000
PL-CN 50-1100-840-40D-G1	0.70	50000 h	50000 h	50000 h	25000

### Capabilities

Product description	Dimmable
PL-CN 50-700-930-24D-G1	Yes
PL-CN 50-700-930-40D-G1	Yes
PL-CN 50-700-940-24D-G1	Yes
PL-CN 50-700-940-40D-G1	Yes
PL-CN 50-900-830-24D-G1	Yes
PL-CN 50-900-830-40D-G1	Yes
PL-CN 50-900-840-24D-G1	Yes
PL-CN 50-900-840-40D-G1	Yes
PL-CN 50-1100-830-24D-G1	Yes
PL-CN 50-1100-830-40D-G1	Yes
PL-CN 50-1100-840-24D-G1	Yes
PL-CN 50-1100-840-40D-G1	Yes

# Product family datasheet

## Certificates & standards

Product description	Energy consumption	Standards
PL-CN 50-700-930-24D-G1	13 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 50-700-930-40D-G1	13 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 50-700-940-24D-G1	13 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 50-700-940-40D-G1	13 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 50-900-830-24D-G1	13 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 50-900-830-40D-G1	13 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 50-900-840-24D-G1	13 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 50-900-840-40D-G1	13 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 50-1100-830-24D-G1	15 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 50-1100-830-40D-G1	15 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 50-1100-840-24D-G1	15 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 50-1100-840-40D-G1	15 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 50-700-930-24D-G1	A
PL-CN 50-700-930-40D-G1	A
PL-CN 50-700-940-24D-G1	A
PL-CN 50-700-940-40D-G1	A
PL-CN 50-900-830-24D-G1	A
PL-CN 50-900-830-40D-G1	A
PL-CN 50-900-840-24D-G1	A
PL-CN 50-900-840-40D-G1	A
PL-CN 50-1100-830-24D-G1	A
PL-CN 50-1100-830-40D-G1	A
PL-CN 50-1100-840-24D-G1	A
PL-CN 50-1100-840-40D-G1	A

# Product family datasheet

## Logistical data

Product description	Temperature range at storage
PL-CN 50-700-930-24D-G1	-40...80 °C
PL-CN 50-700-930-40D-G1	-40...80 °C
PL-CN 50-700-940-24D-G1	-40...80 °C
PL-CN 50-700-940-40D-G1	-40...80 °C
PL-CN 50-900-830-24D-G1	-40...80 °C
PL-CN 50-900-830-40D-G1	-40...80 °C
PL-CN 50-900-840-24D-G1	-40...80 °C
PL-CN 50-900-840-40D-G1	-40...80 °C
PL-CN 50-1100-830-24D-G1	-40...80 °C
PL-CN 50-1100-830-40D-G1	-40...80 °C
PL-CN 50-1100-840-24D-G1	-40...80 °C
PL-CN 50-1100-840-40D-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 PrevaLED COIN PL CN50 G1
 Certificates PrevaLED COIN UL Certificate
 Declarations of conformity CE Declaration of Conformity: PrevaLED COIN 50 G1
 Declarations of conformity EC declaration PrevaLED COIN 50
 CAD data 3-dim CAD: PrevaLED COIN 50 G1



## Product family datasheet

	CAD data PDF PL CN50 G1-3D Image
	Eulmdat PL-CN50-700-930-24D-G1
	Eulmdat PrevaLED COIN 50 G1: EULUMDAT
	Eulmdat PL-CN50-700-930-40D-G1
	Eulmdat PrevaLED COIN 50 G1: EULUMDAT
	Eulmdat PrevaLED COIN 50 G1: EULUMDAT
	Eulmdat PrevaLED COIN 50 G1: EULUMDAT
	Eulmdat PrevaLED COIN 50 G1: EULUMDAT
	Eulmdat PrevaLED COIN 50 G1: EULUMDAT
	Eulmdat PrevaLED COIN 50 G1: EULUMDAT
	Eulmdat PrevaLED COIN 50 G1: EULUMDAT
	Eulmdat PrevaLED COIN 50 G1: EULUMDAT
	Eulmdat PrevaLED COIN 50 G1: EULUMDAT
	Eulmdat PrevaLED COIN 50 G1: EULUMDAT
	Eulmdat PrevaLED COIN 50 G1: EULUMDAT

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899918436	PL-CN 50-700-930-24D-G1	Shipping carton box 20	268 mm x 110 mm x 138 mm	4.07 dm <sup>3</sup>	2176.00 g
4052899918450	PL-CN 50-700-930-40D-G1	Shipping carton box 20	268 mm x 110 mm x 138 mm	4.07 dm <sup>3</sup>	1976.00 g
4052899918443	PL-CN 50-700-940-24D-G1	Shipping carton box 20	268 mm x 110 mm x 138 mm	4.07 dm <sup>3</sup>	1807.00 g
4052899918467	PL-CN 50-700-940-40D-G1	Shipping carton box 20	268 mm x 110 mm x 138 mm	4.07 dm <sup>3</sup>	1976.00 g
4052899918474	PL-CN 50-900-830-24D-G1	Shipping carton box 20	268 mm x 110 mm x 138 mm	4.07 dm <sup>3</sup>	1829.00 g

## Product family datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899918498	PL-CN 50-900-830-40D-G1	Shipping carton box 20	268 mm x 110 mm x 138 mm	4.07 dm <sup>3</sup>	1976.00 g
4052899918481	PL-CN 50-900-840-24D-G1	Shipping carton box 20	268 mm x 110 mm x 138 mm	4.07 dm <sup>3</sup>	1976.00 g
4052899918504	PL-CN 50-900-840-40D-G1	Shipping carton box 20	268 mm x 110 mm x 138 mm	4.07 dm <sup>3</sup>	1976.00 g
4052899918511	PL-CN 50-1100-830-24D-G1	Shipping carton box 20	268 mm x 110 mm x 138 mm	4.07 dm <sup>3</sup>	1976.00 g
4052899918535	PL-CN 50-1100-830-40D-G1	Shipping carton box 20	268 mm x 110 mm x 138 mm	4.07 dm <sup>3</sup>	1822.00 g
4052899918528	PL-CN 50-1100-840-24D-G1	Shipping carton box 20	268 mm x 110 mm x 138 mm	4.07 dm <sup>3</sup>	1976.00 g
4052899918542	PL-CN 50-1100-840-40D-G1	Shipping carton box 20	268 mm x 110 mm x 138 mm	4.07 dm <sup>3</sup>	1976.00 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.