

PrevaLED COIN 35 COB G2

LED modules with integrated optics and heat sink



Product family features

- Color consistency < 2 SDCM
- Type of protection: IP20
- High flux output up to 650 lm
- Beam angle: 15°, 24°, 36°

Product family benefits

- Compact form factor compatible with conventional MR11 lamps
- Precise optical control and free from multi-shadow issue

Areas of application

- Retail, shop, restaurant, hospitality
- High-end residential
- Suitable for indoor applications
- Connecting multiple modules in parallel on one LED driver is not permitted
- Connecting multiple modules in series on one LED driver is not recommended
- Do not use in sealed fixtures
- Avoid covering the lens with dust or any object



Product family datasheet

Technical data

Product description	Electrical data					Photometrical data
	Nominal current	Nominal voltage	Type of current	On-mode power	Energy consumption in on-mode	Luminous efficacy
PL-CN35-COB- 600-927-15D-G2 ¹⁾	0.18 A	32.9 V	DC	5.90 W	5.9 kWh/1000h	72 lm/W
PL-CN35-COB- 600-927-24D-G2 ¹⁾	0.18 A	32.6 V	DC	6.00 W	6.0 kWh/1000h ⁴⁾	95 lm/W
PL-CN35-COB- 600-927-36D-G2 ¹⁾	0.18 A	32.6 V	DC	6.00 W	6.0 kWh/1000h ⁴⁾	101 lm/W
PL-CN35-COB- 600-930-15D-G2 ¹⁾	0.18 A	32.9 V	DC	6.00 W	6.0 kWh/1000h	75 lm/W
PL-CN35-COB- 600-930-24D-G2 ¹⁾	0.18 A	32.6 V	DC	5.90 W	5.9 kWh/1000h ⁴⁾	100 lm/W
PL-CN35-COB- 600-930-36D-G2 ¹⁾	0.18 A	32.6 V	DC	6.00 W	6.0 kWh/1000h ⁴⁾	107 lm/W
PL-CN35-COB- 600-940-15D-G2 ¹⁾	0.18 A	32.9 V	DC	6.00 W	6.0 kWh/1000h	80 lm/W
PL-CN35-COB- 600-940-24D-G2 ¹⁾	0.18 A	32.6 V	DC	5.90 W	5.9 kWh/1000h ⁴⁾	106 lm/W
PL-CN35-COB- 600-940-36D-G2 ¹⁾	0.18 A	32.6 V	DC	5.90 W	5.9 kWh/1000h ⁴⁾	112 lm/W

Product description	Light color (designation)	Color rendering index Ra	Useful luminous flux (Φ _{use})	Colour consistency (McAdam ellipses)	Correlated color temperature CCT
PL-CN35-COB- 600-927-15D-G2 ¹⁾	2700 K	90	388 lm ₂₎	2	2700 K
PL-CN35-COB- 600-927-24D-G2 ¹⁾	2700 K	90	480 lm ₂₎	2	2700 K
PL-CN35-COB- 600-927-36D-G2 ¹⁾	2700 K	90	540 lm ₂₎	2	2700 K
PL-CN35-COB- 600-930-15D-G2 ¹⁾	3000 K	90	398 lm ₂₎	2	3000 K
PL-CN35-COB- 600-930-24D-G2 ¹⁾	3000 K	90	520 lm ₂₎	2	3000 K
PL-CN35-COB- 600-930-36D-G2 ¹⁾	3000 K	90	550 lm ₂₎	2	3000 K
PL-CN35-COB- 600-940-15D-G2 ¹⁾	4000 K	90	424 lm ₂₎	2	4000 K
PL-CN35-COB- 600-940-24D-G2 ¹⁾	4000 K	90	550 lm ₂₎	2	3900 K
PL-CN35-COB- 600-940-36D-G2 ¹⁾	4000 K	90	600 lm ₂₎	2	3900 K

Product description	Peak luminous intensity	Light technical data			Dimensions & weight
		Starting time	Warm-up time (60 %)	Beam angle	Diameter
PL-CN35-COB- 600-927-15D-G2 ¹⁾	3265	< 0.5 s	< 2.00 s	16.00 °	34.0 mm ³⁾
PL-CN35-COB- 600-927-24D-G2 ¹⁾	1700	< 0.5 s	< 2.00 s	24 °	34.0 mm ³⁾

Product family datasheet

Product description	Peak luminous intensity	Light technical data			Dimensions & weight
		Starting time	Warm-up time (60 %)	Beam angle	Diameter
PL-CN35-COB- 600-927-36D-G2 ¹⁾	1400	< 0.5 s	< 2.00 s	36 °	34.0 mm ³⁾
PL-CN35-COB- 600-930-15D-G2 ¹⁾	3410	< 0.5 s	< 2.00 s	16.00 °	34.0 mm ³⁾
PL-CN35-COB- 600-930-24D-G2 ¹⁾	1700	< 0.5 s	< 2.00 s	24 °	34.0 mm ³⁾
PL-CN35-COB- 600-930-36D-G2 ¹⁾	1400	< 0.5 s	< 2.00 s	36 °	34.0 mm ³⁾
PL-CN35-COB- 600-940-15D-G2 ¹⁾	3612	< 0.5 s	< 2.00 s	16.00 °	34.0 mm ³⁾
PL-CN35-COB- 600-940-24D-G2 ¹⁾	1700	< 0.5 s	< 2.00 s	24 °	34.0 mm ³⁾
PL-CN35-COB- 600-940-36D-G2 ¹⁾	1400	< 0.5 s	< 2.00 s	36 °	34.0 mm ³⁾

Product description	Product weight	Width	Length	Height
PL-CN35-COB- 600-927-15D-G2 ¹⁾	38.00 g	34.0 mm	34.0 mm	40.0 mm
PL-CN35-COB- 600-927-24D-G2 ¹⁾	38.00 g	34.0 mm	34.0 mm	40.0 mm
PL-CN35-COB- 600-927-36D-G2 ¹⁾	38.00 g	34.0 mm	34.0 mm	40.0 mm
PL-CN35-COB- 600-930-15D-G2 ¹⁾	38.00 g	34.0 mm	34.0 mm	40.0 mm
PL-CN35-COB- 600-930-24D-G2 ¹⁾	38.00 g	34.0 mm	34.0 mm	40.0 mm
PL-CN35-COB- 600-930-36D-G2 ¹⁾	38.00 g	34.0 mm	34.0 mm	40.0 mm
PL-CN35-COB- 600-940-15D-G2 ¹⁾	38.00 g	34.0 mm	34.0 mm	40.0 mm
PL-CN35-COB- 600-940-24D-G2 ¹⁾	38.00 g	34.0 mm	34.0 mm	40.0 mm
PL-CN35-COB- 600-940-36D-G2 ¹⁾	38.00 g	34.0 mm	34.0 mm	40.0 mm

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-CN35-COB- 600-927-15D-G2 ¹⁾	Grey	75 °C	95 °C	-25...+40 °C
PL-CN35-COB- 600-927-24D-G2 ¹⁾	Grey	75 °C	95 °C	-25...+40 °C
PL-CN35-COB- 600-927-36D-G2 ¹⁾	Grey	75 °C	95 °C	-25...+40 °C
PL-CN35-COB- 600-930-15D-G2 ¹⁾	Grey	75 °C	95 °C	-25...+40 °C
PL-CN35-COB- 600-930-24D-G2 ¹⁾	Grey	75 °C	95 °C	-25...+40 °C
PL-CN35-COB- 600-930-36D-G2 ¹⁾	Grey	75 °C	95 °C	-25...+40 °C
PL-CN35-COB- 600-940-15D-G2 ¹⁾	Grey	75 °C	95 °C	-25...+40 °C
PL-CN35-COB- 600-940-24D-G2 ¹⁾	Grey	75 °C	95 °C	-25...+40 °C
PL-CN35-COB- 600-940-36D-G2 ¹⁾	Grey	75 °C	95 °C	-25...+40 °C

Product description	Temperature range at storage	Lifespan		
		Number of switching cycles	L70B50 lifetime	Lumen maintenance factor LMF
PL-CN35-COB- 600-927-15D-G2 ¹⁾	-40...80 °C	15000	50000 h	96
PL-CN35-COB- 600-927-24D-G2 ¹⁾	-40...80 °C	> 15000	50000 h ⁴⁾	96 ⁴⁾
PL-CN35-COB- 600-927-36D-G2 ¹⁾	-40...80 °C	> 15000	50000 h ⁴⁾	96 ⁴⁾
PL-CN35-COB- 600-930-15D-G2 ¹⁾	-40...80 °C	15000	50000 h	96
PL-CN35-COB- 600-930-24D-G2 ¹⁾	-40...80 °C	> 15000	50000 h ⁴⁾	96 ⁴⁾
PL-CN35-COB- 600-930-36D-G2 ¹⁾	-40...80 °C	> 15000	50000 h ⁴⁾	96 ⁴⁾

Product family datasheet

Product description	Temperature range at storage	Lifespan		
		Number of switching cycles	L70B50 lifetime	Lumen maintenance factor LMF
PL-CN35-COB- 600-940-15D-G2 ¹⁾	-40...80 °C	15000	50000 h	96
PL-CN35-COB- 600-940-24D-G2 ¹⁾	-40...80 °C	> 15000	50000 h ⁴⁾	96 ⁴⁾
PL-CN35-COB- 600-940-36D-G2 ¹⁾	-40...80 °C	> 15000	50000 h ⁴⁾	96 ⁴⁾

Product description	Additional product data	Capabilities	Certificates & standards	
	Lighting technology used	Dimmable	Standards	Energy efficiency class
PL-CN35-COB- 600-927-15D-G2 ¹⁾	LED	Yes	Acc. to IEC 62471/Acc. to EN 60598-1/Acc. to EN 60529/Acc. to EN 55015/Acc. to EN 61547/Acc. To EN62031 IEC 605981/CE	G
PL-CN35-COB- 600-927-24D-G2 ¹⁾	LED	Yes	Acc. to IEC 62471/Acc. to EN 60598-1/Acc. to EN 60529/Acc. to EN 55015/Acc. to EN 61547/Acc. To EN62031 IEC 605981/CE	F
PL-CN35-COB- 600-927-36D-G2 ¹⁾	LED	Yes	Acc. to IEC 62471/Acc. to EN 60598-1/Acc. to EN 60529/Acc. to EN 55015/Acc. to EN 61547/Acc. To EN62031 IEC 605981/CE	F
PL-CN35-COB- 600-930-15D-G2 ¹⁾	LED	Yes	Acc. to IEC 62471/Acc. to EN 60598-1/Acc. to EN 60529/Acc. to EN 55015/Acc. to EN 61547/Acc. To EN62031 IEC 605981/CE	G
PL-CN35-COB- 600-930-24D-G2 ¹⁾	LED	Yes	Acc. to IEC 62471/Acc. to EN 60598-1/Acc. to EN 60529/Acc. to EN 55015/Acc. to EN 61547/Acc. To EN62031 IEC 605981/CE	F
PL-CN35-COB- 600-930-36D-G2 ¹⁾	LED	Yes	Acc. to IEC 62471/Acc. to EN 60598-1/Acc. to EN 60529/Acc. to EN 55015/Acc. to EN 61547/Acc. To EN62031 IEC 605981/CE	F
PL-CN35-COB- 600-940-15D-G2 ¹⁾	LED	Yes	Acc. to IEC 62471/Acc. to EN 60598-1/Acc. to EN 60529/Acc. to EN 55015/Acc. to EN 61547/Acc. To EN62031 IEC 605981/CE	G

Product family datasheet

	Additional product data	Capabilities	Certificates & standards	
Product description	Lighting technology used	Dimmable	Standards	Energy efficiency class
PL-CN35-COB- 600-940-24D-G2 ¹⁾	LED	Yes	Acc. to IEC 62471/Acc. to EN 60598-1/Acc. to EN 60529/Acc. to EN 55015/Acc. to EN 61547/Acc. To EN62031 IEC 605981/CE	F
PL-CN35-COB- 600-940-36D-G2 ¹⁾	LED	Yes	Acc. to IEC 62471/Acc. to EN 60598-1/Acc. to EN 60529/Acc. to EN 55015/Acc. to EN 61547/Acc. To EN62031 IEC 605981	E

	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-CN35-COB- 600-927-15D-G2 ¹⁾	85395100000	20-05-2022	4062172227087	No declarable substances contained
PL-CN35-COB- 600-927-24D-G2 ¹⁾	85395100000	18-04-2022	4062172175692	No declarable substances contained
PL-CN35-COB- 600-927-36D-G2 ¹⁾	85395100000	18-04-2022	4062172175715	No declarable substances contained
PL-CN35-COB- 600-930-15D-G2 ¹⁾	85395100000	20-05-2022	4062172227100	No declarable substances contained
PL-CN35-COB- 600-930-24D-G2 ¹⁾	85395100000	18-04-2022	4062172175739	No declarable substances contained
PL-CN35-COB- 600-930-36D-G2 ¹⁾	85395100000	18-04-2022	4062172175753	No declarable substances contained
PL-CN35-COB- 600-940-15D-G2 ¹⁾	85395100000	20-05-2022	4062172227124	No declarable substances contained
PL-CN35-COB- 600-940-24D-G2 ¹⁾	85395100000	18-04-2022	4062172175777	No declarable substances contained
PL-CN35-COB- 600-940-36D-G2 ¹⁾	85395100000	18-04-2022	4062172175791	No declarable substances contained

Product description	Declaration No. in SCIP database
PL-CN35-COB- 600-927-15D-G2 ¹⁾	No declarable substances contained
PL-CN35-COB- 600-927-24D-G2 ¹⁾	No declarable substances contained
PL-CN35-COB- 600-927-36D-G2 ¹⁾	No declarable substances contained
PL-CN35-COB- 600-930-15D-G2 ¹⁾	No declarable substances contained

Product family datasheet

Product description	Declaration No. in SCIP database
PL-CN35-COB- 600-930-24D-G2 ¹⁾	No declarable substances contained
PL-CN35-COB- 600-930-36D-G2 ¹⁾	No declarable substances contained
PL-CN35-COB- 600-940-15D-G2 ¹⁾	No declarable substances contained
PL-CN35-COB- 600-940-24D-G2 ¹⁾	No declarable substances contained
PL-CN35-COB- 600-940-36D-G2 ¹⁾	No declarable substances contained

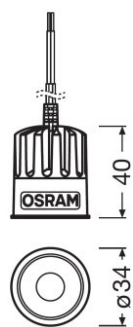
¹⁾ Modules perfectly matched to OSRAM OPTOTRONIC LED drivers (see relevant table)/For current photometric data and important safety, installation and application information (see www.osram.com/led-systems/)/All the technical parameters apply to the entire module. In view of the complex manufacturing 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%

²⁾ 90°

³⁾ ±0.2 mm

⁴⁾ _

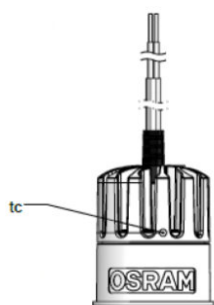
Product family datasheet



line drawing of COIN 35 G2



line drawing of COIN 35 G2



PL CN35 COB G2 DRAW 051021

Application advice

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

Sales and Technical Support

Sales and Technical Support www.osram.com

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File	
	Certificates PL CN35 COB G2 ENEC 181121
	CAD data PL CN35 G2 STEP 041121

Product family datasheet

	IES data PL CN35 COB 600 927 15D G2 IES 041121
	Declarations of conformity PL CN35 COB G2 CE 4264217 150623
	CAD data PL CN35 COB G2 STEP 160321
	IES data PL CN35 COB 600 927 24D G2.1 IES 250321
	IES data PL CN35 COB 600 927 36D G2.1 IES 250321
	IES data PL CN35 COB 600 930 15D G2 IES 041121
	IES data PL CN35 COB 600 930 24D G2.1 IES 250321
	IES data PL CN35 COB 600 930 36D G2.1 IES 250321
	IES data PL CN35 COB 600 940 15D G2 IES 041121
	IES data PL CN35 COB 600 940 24D G2.1 IES 250321
	IES data PL CN35 COB 600 940 36D G2.1 IES 250321

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
4062172227087	PL-CN35-COB- 600-927-15D-G2	Shipping carton box 20	218 mm x 176 mm x 87 mm	3.34 dm ³	1108.00 g
4062172175692	PL-CN35-COB- 600-927-24D-G2	Shipping carton box 20	218 mm x 176 mm x 87 mm	3.34 dm ³	1108.00 g
4062172175715	PL-CN35-COB- 600-927-36D-G2	Shipping carton box 20	218 mm x 176 mm x 87 mm	3.34 dm ³	1108.00 g
4062172227100	PL-CN35-COB- 600-930-15D-G2	Shipping carton box 20	218 mm x 176 mm x 87 mm	3.34 dm ³	1108.00 g

Product family datasheet

Logistical Data

4062172175739	PL-CN35-COB- 600-930-24D-G2	Shipping carton box 20	218 mm x 176 mm x 87 mm	3.34 dm ³	1108.00 g
4062172175753	PL-CN35-COB- 600-930-36D-G2	Shipping carton box 20	218 mm x 176 mm x 87 mm	3.34 dm ³	1108.00 g
4062172227124	PL-CN35-COB- 600-940-15D-G2	Shipping carton box 20	218 mm x 176 mm x 87 mm	3.34 dm ³	1108.00 g
4062172175777	PL-CN35-COB- 600-940-24D-G2	Shipping carton box 20	218 mm x 176 mm x 87 mm	3.34 dm ³	1108.00 g
4062172175791	PL-CN35-COB- 600-940-36D-G2	Shipping carton box 20	218 mm x 176 mm x 87 mm	3.34 dm ³	1108.00 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-CN35-COB- 600-927-15D-G2	BLACK COVER FOR COIN 35 COB G2	▶ 4062172251761
PL-CN35-COB- 600-927-15D-G2	PL-CN35 -ROUND-RING	▶ 4062172270113
PL-CN35-COB- 600-927-24D-G2	36D LENS FOR COIN 35 COB G2	▶ 4062172235013
PL-CN35-COB- 600-927-24D-G2	BLACK COVER FOR COIN 35 COB G2	▶ 4062172251761
PL-CN35-COB- 600-927-24D-G2	PL-CN35 -ROUND-RING	▶ 4062172270113
PL-CN35-COB- 600-927-36D-G2	24D LENS FOR COIN 35 COB G2	▶ 4062172234993
PL-CN35-COB- 600-927-36D-G2	BLACK COVER FOR COIN 35 COB G2	▶ 4062172251761
PL-CN35-COB- 600-927-36D-G2	PL-CN35 -ROUND-RING	▶ 4062172270113
PL-CN35-COB- 600-930-15D-G2	BLACK COVER FOR COIN 35 COB G2	▶ 4062172251761
PL-CN35-COB- 600-930-15D-G2	PL-CN35 -ROUND-RING	▶ 4062172270113
PL-CN35-COB- 600-930-24D-G2	36D LENS FOR COIN 35 COB G2	▶ 4062172235013
PL-CN35-COB- 600-930-24D-G2	BLACK COVER FOR COIN 35 COB G2	▶ 4062172251761
PL-CN35-COB- 600-930-24D-G2	PL-CN35 -ROUND-RING	▶ 4062172270113
PL-CN35-COB- 600-930-36D-G2	24D LENS FOR COIN 35 COB G2	▶ 4062172234993
PL-CN35-COB- 600-930-36D-G2	BLACK COVER FOR COIN 35 COB G2	▶ 4062172251761
PL-CN35-COB- 600-930-36D-G2	PL-CN35 -ROUND-RING	▶ 4062172270113
PL-CN35-COB- 600-940-15D-G2	BLACK COVER FOR COIN 35 COB G2	▶ 4062172251761
PL-CN35-COB- 600-940-15D-G2	PL-CN35 -ROUND-RING	▶ 4062172270113
PL-CN35-COB- 600-940-24D-G2	36D LENS FOR COIN 35 COB G2	▶ 4062172235013
PL-CN35-COB- 600-940-24D-G2	BLACK COVER FOR COIN 35 COB G2	▶ 4062172251761
PL-CN35-COB- 600-940-24D-G2	PL-CN35 -ROUND-RING	▶ 4062172270113

Product family datasheet

PL-CN35-COB- 600-940-36D-G2	24D LENS FOR COIN 35 COB G2	▶ 4062172234993
PL-CN35-COB- 600-940-36D-G2	BLACK COVER FOR COIN 35 COB G2	▶ 4062172251761
PL-CN35-COB- 600-940-36D-G2	PL-CN35 -ROUND-RING	▶ 4062172270113

Disclaimer

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