

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 null					
	Nominal current	Nominal voltage	Type of current	Claimed equiv. conventional lamp power	On-mode power	Energy consumption in on-mode
PL-CN111-COB- 1800-927-15D-G1 ¹⁾	0.5 A	35.9 V	DC	100 W	18 W	18 kWh/1000h
PL-CN111-COB- 1800-927-24D-G1 ¹⁾	0.5 A	36.0 V	DC	100 W	18 W	18 kWh/1000h
PL-CN111-COB- 1800-927-40D-G1 ¹⁾	0.5 A	36.0 V	DC	100 W	18 W	18 kWh/1000h
PL-CN111-COB- 1800-930-15D-G1 ¹⁾	0.5 A	35.9 V	DC	100 W	18 W	18 kWh/1000h
PL-CN111-COB- 1800-930-24D-G1 ¹⁾	0.5 A	36.0 V	DC	100 W	18.1 W	18.1 kWh/1000h
PL-CN111-COB- 1800-940-15D-G1 ¹⁾	0.5 A	35.9 V	DC	100 W	18 W	18 kWh/1000h
PL-CN111-COB- 1800-940-24D-G1 ¹⁾	0.5 A	35.9 V	DC	100 W	18 W	18 kWh/1000h
PL-CN111-COB- 1800-940-40D-G1 ¹⁾	0.5 A	35.9 V	DC	100 W	18 W	18 kWh/1000h
PL-CN111-COB- 2800-830-15D-G1 ¹⁾	0.7 A	37.0 V	DC	100 W	25.8 W	25.8 kWh/1000h
PL-CN111-COB- 2800-840-24D-G1 ¹⁾	0.7 A	37.0 V	DC	100 W	25.9 W	25.9 kWh/1000h
PL-CN111-COB- 2800-840-40D-G1 ¹⁾	0.7 A	37.0 V	DC	100 W	26.1 W	26.1 kWh/1000h
PL-CN111-COB- 2800-840-15D-G1 ¹⁾	0.7 A	37.0 V	DC	100 W	26.1 W	26.1 kWh/1000h
PL-CN111-COB- 4300-830-60D-G1 ¹⁾	1.05 A	35.8 V	DC	100 W	37.7 W	37.7 kWh/1000h
PL-CN111-COB- 4300-840-60D-G1 ¹⁾	1.05 A	35.8 V	DC	100 W	37.8 W	37.8 kWh/1000h

Product description	Photometrical data null				
	Luminous efficacy	Light color (designation)	Color rendering index Ra	Correlated color temperature CCT	Colour consistency (McAdam ellipses)
PL-CN111-COB- 1800-927-15D-G1 ¹⁾	97 lm/W	Warm White	90	2700 K	3
PL-CN111-COB- 1800-927-24D-G1 ¹⁾	99 lm/W	Warm White	90	2700 K	3
PL-CN111-COB- 1800-927-40D-G1 ¹⁾	95 lm/W	Warm White	90	2700 K	3
PL-CN111-COB- 1800-930-15D-G1 ¹⁾	103 lm/W	Warm White	90	3000 K	3
PL-CN111-COB- 1800-930-24D-G1 ¹⁾	105 lm/W	Warm White	90	3000 K	3
PL-CN111-COB- 1800-940-15D-G1 ¹⁾	108 lm/W	Neutral White	90	3900 K	3

Product family datasheet

Product description	Photometrical data null				
	Luminous efficacy	Light color (designation)	Color rendering index Ra	Correlated color temperature CCT	Colour consistency (McAdam ellipses)
PL-CN111-COB- 1800-940-24D-G1 ¹⁾	111 lm/W	Neutral White	90	3900 K	3
PL-CN111-COB- 1800-940-40D-G1 ¹⁾	106 lm/W	Neutral White	90	3900 K	3
PL-CN111-COB- 2800-830-15D-G1 ¹⁾	104 lm/W	Warm White	≥80	3000 K	3
PL-CN111-COB- 2800-840-24D-G1 ¹⁾	112 lm/W	Neutral White	≥80	4000 K	3
PL-CN111-COB- 2800-840-40D-G1 ¹⁾	107 lm/W	Neutral White	≥80	4000 K	3
PL-CN111-COB- 2800-840-15D-G1 ¹⁾	109 lm/W	Neutral White	≥80	4000 K	3
PL-CN111-COB- 4300-830-60D-G1 ¹⁾	112 lm/W	Warm White	≥80	3000 K	3
PL-CN111-COB- 4300-840-60D-G1 ¹⁾	118 lm/W	Neutral White	≥80	3900 K	3

Product description	Useful luminous flux (Φuse)	Light technical data null		Dimensions & weight null	
		Starting time	Warm-up time (60 %)	Diameter	Product weight
PL-CN111-COB- 1800-927-15D-G1 ¹⁾	1548 lm ²⁾	0.0 s	0.00 s	111.0 mm	425.00 g
PL-CN111-COB- 1800-927-24D-G1 ¹⁾	1529 lm ²⁾	0.0 s	0.00 s	111.0 mm	425.00 g
PL-CN111-COB- 1800-927-40D-G1 ¹⁾	1536 lm ²⁾	0.0 s	0.00 s	111.0 mm	425.00 g
PL-CN111-COB- 1800-930-15D-G1 ¹⁾	1638 lm ²⁾	0.0 s	0.00 s	111.0 mm	425.00 g
PL-CN111-COB- 1800-930-24D-G1 ¹⁾	1641 lm ²⁾	0.0 s	0.00 s	111.0 mm	425.00 g
PL-CN111-COB- 1800-940-15D-G1 ¹⁾	1800 lm ²⁾	0.0 s	0.00 s	111.0 mm	425.00 g
PL-CN111-COB- 1800-940-24D-G1 ¹⁾	1800 lm ²⁾	0.0 s	0.00 s	111.0 mm	425.00 g
PL-CN111-COB- 1800-940-40D-G1 ¹⁾	1700 lm ²⁾	0.0 s	0.00 s	111.0 mm	425.00 g
PL-CN111-COB- 2800-830-15D-G1 ¹⁾	2700 lm ²⁾	0.0 s	0.00 s	111.0 mm	425.00 g
PL-CN111-COB- 2800-840-24D-G1 ¹⁾	2650 lm ²⁾	0.0 s	0.00 s	111.0 mm	425.00 g
PL-CN111-COB- 2800-840-40D-G1 ¹⁾	2600 lm ²⁾	0.0 s	0.00 s	111.0 mm	425.00 g
PL-CN111-COB- 2800-840-15D-G1 ¹⁾	2700 lm ²⁾	0.0 s	0.00 s	111.0 mm	425.00 g
PL-CN111-COB- 4300-830-60D-G1 ¹⁾	3450 lm ²⁾	0.0 s	0.00 s	111.0 mm	425.00 g
PL-CN111-COB- 4300-840-60D-G1 ¹⁾	3550 lm ²⁾	0.0 s	0.00 s	111.0 mm	425.00 g

Product description	Height	Length	Width	Colors & materials null
				Heatsink color
PL-CN111-COB- 1800-927-15D-G1 ¹⁾	52 mm	111 mm	111 mm	Silver
PL-CN111-COB- 1800-927-24D-G1 ¹⁾	52 mm	111 mm	111 mm	Silver
PL-CN111-COB- 1800-927-40D-G1 ¹⁾	52 mm	111 mm	111 mm	Silver
PL-CN111-COB- 1800-930-15D-G1 ¹⁾	52 mm	111 mm	111 mm	Silver
PL-CN111-COB- 1800-930-24D-G1 ¹⁾	52 mm	111 mm	111 mm	Silver
PL-CN111-COB- 1800-940-15D-G1 ¹⁾	52 mm	111 mm	111 mm	Silver
PL-CN111-COB- 1800-940-24D-G1 ¹⁾	52 mm	111 mm	111 mm	Silver
PL-CN111-COB- 1800-940-40D-G1 ¹⁾	52 mm	111 mm	111 mm	Silver
PL-CN111-COB- 2800-830-15D-G1 ¹⁾	52 mm	111 mm	111 mm	Silver
PL-CN111-COB- 2800-840-24D-G1 ¹⁾	52 mm	111 mm	111 mm	Silver

Product family datasheet

Product description	Height	Length	Width	Colors & materials
				Heatsink color
PL-CN111-COB- 2800-840-40D-G1 ¹⁾	52 mm	111 mm	111 mm	Silver
PL-CN111-COB- 2800-840-15D-G1 ¹⁾	52 mm	111 mm	111 mm	Silver
PL-CN111-COB- 4300-830-60D-G1 ¹⁾	52 mm	111 mm	111 mm	Silver
PL-CN111-COB- 4300-840-60D-G1 ¹⁾	52 mm	111 mm	111 mm	Silver

Product description	Temperatures & operating conditions			
	Performance temp. acc. to IEC 62717	Maximum temperature at tc test point	Ambient temperature range	Temperature range at storage
PL-CN111-COB- 1800-927-15D-G1 ¹⁾	55 °C	80 °C	-25...+40 °C	-40...80 °C
PL-CN111-COB- 1800-927-24D-G1 ¹⁾	55 °C	80 °C	-25...+40 °C	-40...80 °C
PL-CN111-COB- 1800-927-40D-G1 ¹⁾	55 °C	80 °C	-25...+40 °C	-40...80 °C
PL-CN111-COB- 1800-930-15D-G1 ¹⁾	55 °C	80 °C	-25...+40 °C	-40...80 °C
PL-CN111-COB- 1800-930-24D-G1 ¹⁾	55 °C	80 °C	-25...+40 °C	-40...80 °C
PL-CN111-COB- 1800-940-15D-G1 ¹⁾	55 °C	80 °C	-25...+40 °C	-40...80 °C
PL-CN111-COB- 1800-940-24D-G1 ¹⁾	55 °C	80 °C	-25...+40 °C	-40...80 °C
PL-CN111-COB- 1800-940-40D-G1 ¹⁾	55 °C	80 °C	-25...+40 °C	-40...80 °C
PL-CN111-COB- 2800-830-15D-G1 ¹⁾	65 °C	90 °C	-25...+40 °C	-40...80 °C
PL-CN111-COB- 2800-840-24D-G1 ¹⁾	65 °C	90 °C	-25...+40 °C	-40...80 °C
PL-CN111-COB- 2800-840-40D-G1 ¹⁾	65 °C	90 °C	-25...+40 °C	-40...80 °C
PL-CN111-COB- 2800-840-15D-G1 ¹⁾	65 °C	90 °C	-25...+40 °C	-40...80 °C
PL-CN111-COB- 4300-830-60D-G1 ¹⁾	75 °C	100 °C	-25...+40 °C	-40...80 °C
PL-CN111-COB- 4300-840-60D-G1 ¹⁾	75 °C	100 °C	-25...+40 °C	-40...80 °C

Product description	Lifespan		Certificates & standards	
	Number of switching cycles	Lumen maintenance factor LMF	Standards	Energy efficiency class
PL-CN111-COB- 1800-927-15D-G1 ¹⁾	100000	96	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	F
PL-CN111-COB- 1800-927-24D-G1 ¹⁾	100000	96	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	F
PL-CN111-COB- 1800-927-40D-G1 ¹⁾	100000	96	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	F
PL-CN111-COB- 1800-930-15D-G1 ¹⁾	100000	96	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	F

Product family datasheet

Product description	Lifespan null		Certificates & standards null	
	Number of switching cycles	Lumen maintenance factor LMF	Standards	Energy efficiency class
PL-CN111-COB- 1800-930-24D-G1 ¹⁾	100000	96	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	F
PL-CN111-COB- 1800-940-15D-G1 ¹⁾	100000	96	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	E
PL-CN111-COB- 1800-940-24D-G1 ¹⁾	100000	96	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	E
PL-CN111-COB- 1800-940-40D-G1 ¹⁾	100000	96	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	F
PL-CN111-COB- 2800-830-15D-G1 ¹⁾	100000	96	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	E
PL-CN111-COB- 2800-840-24D-G1 ¹⁾	100000	96	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	E
PL-CN111-COB- 2800-840-40D-G1 ¹⁾	100000	96	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	E
PL-CN111-COB- 2800-840-15D-G1 ¹⁾	100000	96	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	E
PL-CN111-COB- 4300-830-60D-G1 ¹⁾	100000	96	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	F
PL-CN111-COB- 4300-840-60D-G1 ¹⁾	100000	96	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	F

Product family datasheet

Product description	Logistical data null	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- 1800-927-15D-G1 ¹⁾	853951000000	23-12-2021	4052899583665	No declarable substances contained
PL-CN111-COB- 1800-927-24D-G1 ¹⁾	853951000000	21-12-2021	4052899583689	No declarable substances contained
PL-CN111-COB- 1800-927-40D-G1 ¹⁾	853951000000	23-12-2021	4052899583702	No declarable substances contained
PL-CN111-COB- 1800-930-15D-G1 ¹⁾	853951000000	23-12-2021	4052899541399	No declarable substances contained
PL-CN111-COB- 1800-930-24D-G1 ¹⁾	853951000000	11-01-2022	4052899541412	No declarable substances contained
PL-CN111-COB- 1800-940-15D-G1 ¹⁾	853951000000	23-12-2021	4052899541450	No declarable substances contained
PL-CN111-COB- 1800-940-24D-G1 ¹⁾	853951000000	11-01-2022	4052899541474	No declarable substances contained
PL-CN111-COB- 1800-940-40D-G1 ¹⁾	853951000000	11-01-2022	4052899541498	No declarable substances contained
PL-CN111-COB- 2800-830-15D-G1 ¹⁾	853951000000	19-01-2022	4052899541559	
PL-CN111-COB- 2800-840-24D-G1 ¹⁾	853951000000	11-01-2022	4052899541573	No declarable substances contained
PL-CN111-COB- 2800-840-40D-G1 ¹⁾	853951000000	11-01-2022	4052899541597	No declarable substances contained
PL-CN111-COB- 2800-840-15D-G1 ¹⁾	853951000000	11-01-2022	4052899541610	No declarable substances contained
PL-CN111-COB- 4300-830-60D-G1 ¹⁾	853951000000	23-12-2021	4052899541672	No declarable substances contained
PL-CN111-COB- 4300-840-60D-G1 ¹⁾	853951000000	14-01-2022	4052899541733	No declarable substances contained

Product description			Additional product data null
	CAS No. of substance 1	Declaration No. in SCIP database	Predecessor EAN
PL-CN111-COB- 1800-927-15D-G1 ¹⁾	No CAS	No declarable substances contained	
PL-CN111-COB- 1800-927-24D-G1 ¹⁾	No CAS	No declarable substances contained	
PL-CN111-COB- 1800-927-40D-G1 ¹⁾	No CAS	No declarable substances contained	
PL-CN111-COB- 1800-930-15D-G1 ¹⁾	No CAS	No declarable substances contained	
PL-CN111-COB- 1800-930-24D-G1 ¹⁾	No CAS	No declarable substances contained	4052899323797
PL-CN111-COB- 1800-940-15D-G1 ¹⁾	No CAS	No declarable substances contained	
PL-CN111-COB- 1800-940-24D-G1 ¹⁾	No CAS	No declarable substances contained	

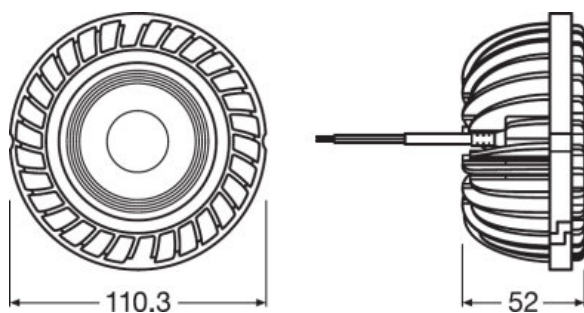
Product family datasheet

			Additional product data null
Product description	CAS No. of substance 1	Declaration No. in SCIP database	Predecessor EAN
PL-CN111-COB- 1800-940-40D-G1 ¹⁾	No CAS	No declarable substances contained	
PL-CN111-COB- 2800-830-15D-G1 ¹⁾		In work	
PL-CN111-COB- 2800-840-24D-G1 ¹⁾	No CAS	No declarable substances contained	4052899323933
PL-CN111-COB- 2800-840-40D-G1 ¹⁾	No CAS	No declarable substances contained	4052899323995
PL-CN111-COB- 2800-840-15D-G1 ¹⁾	No CAS	No declarable substances contained	
PL-CN111-COB- 4300-830-60D-G1 ¹⁾	No CAS	No declarable substances contained	
PL-CN111-COB- 4300-840-60D-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%

²⁾ 90°

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 250920
	Declarations of conformity PL COIN COB G1 CE 3571792 020921
	IES data PL-CN111-COB-1800-930-15D-G1
	CAD data PL COIN 111 COB G1 STEP 170719
	IES data PL-CN111-COB-1800-930-24D-G1
	IES data PL-CN111-COB-1800-930-40D-G1
	Certificates CQC certificate
	Declarations of conformity EU Declaration of Conformity of PL-CN COB G1 family
	Eulumdat PL CN111 COB 1800 930 15D G1 LDT 300420

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	Eulumdat PL CN111 COB 1800 930 24D G1 LDT 300420
	Eulumdat PL CN111 COB 1800 940 15D G1 LDT 300420
	IES data PL-CN111-COB-1800-940-15D-G1
	Eulumdat PL CN111 COB 1800 940 24D G1 LDT 300420
	IES data PL-CN111-COB-1800-940-24D-G1
	Eulumdat PL CN111 COB 1800 940 40D G1 LDT 300420
	IES data PL-CN111-COB-1800-940-40D-G1
	Eulumdat PL CN111 COB 2800 830 40D G1 LDT 300420
	IES data PL-CN111-COB-2800-830-15D-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 2800 840 40D G1 LDT 300420
	IES data PL-CN111-COB-2800-840-15D-G1
	Eulumdat PL CN111 COB 4300 830 60D G1 LDT 300420
	IES data PL-CN111-COB-4300-830-60D-G1
	Eulumdat PL CN111 COB 4300 840 60D G1 LDT 300420
	IES data PL-CN111-COB-4300-840-60D-G1

Product family datasheet

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
4052899583665	PL-CN111-COB- 1800-927-15D-G1	Shipping carton box 12	280 mm x 254 mm x 209 mm	14.86 dm ³	5922.00 g
4052899583689	PL-CN111-COB- 1800-927-24D-G1	Shipping carton box 12	280 mm x 254 mm x 209 mm	14.86 dm ³	5922.00 g
4052899583702	PL-CN111-COB- 1800-927-40D-G1	Shipping carton box 12	280 mm x 254 mm x 209 mm	14.86 dm ³	5922.00 g
4052899541399	PL-CN111-COB- 1800-930-15D-G1	Shipping carton box 12	280 mm x 254 mm x 209 mm	14.86 dm ³	5922.00 g
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
4052899541450	PL-CN111-COB- 1800-940-15D-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
4052899541498	PL-CN111-COB- 1800-940-40D-G1	Shipping carton box 12	280 mm x 254 mm x 209 mm	14.86 dm ³	5922.00 g
4052899541559	PL-CN111-COB- 2800-830-15D-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
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
4052899541610	PL-CN111-COB- 2800-840-15D-G1	Shipping carton box 12	280 mm x 254 mm x 209 mm	14.86 dm ³	5922.00 g
4052899541672	PL-CN111-COB- 4300-830-60D-G1	Shipping carton box 12	280 mm x 254 mm x 209 mm	14.86 dm ³	5922.00 g
4052899541733	PL-CN111-COB- 4300-840-60D-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

Product family datasheet

For more information on the multi-level guarantee and the terms and conditions of the guarantee visit

▶ www.osram.com/system-guarantee

Disclaimer

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