

Product family datasheet

OSRAM

PrevaLED CORE MINI

Spot-, Down- and Wallmount Light Engines and Modules



Areas of application

- Hospitality
- Shops
- Museums, galleries
- Restaurants
- Retail outlets

Product family benefits

- Separable COB (chip-on-board LED) and holder to improve assembly flexibility
- LES (Light-Emitting-Surface) 14,5 mm/9,8 mm with wide luminous flux range to simplify optics solution
- Industrial standard package size to shorten design lead-time

Product family features

- High quality of light; CRI min R_a : 80 and 90 (complying with IES TM30-15 standard)
- Maximal current output is double the nominal current for higher luminous flux
- Module efficacy: up to 160 lm/W



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Technical data

Electrical data

Product description	Nominal wattage	Nominal voltage	Type of current
PL-CORE-MINI 4000-830-M	29.20 W	34.9 V	DC
PL-CORE-MINI 4000-835-M	29.20 W	34.9 V	DC
PL-CORE-MINI 4000-840-M	29.20 W	34.9 V	DC
PL-CORE-MINI 4000-927-M	29.20 W	34.9 V	DC
PL-CORE-MINI 4000-930-M	29.20 W	34.9 V	DC
PL-CORE-MINI 4000-935-M	29.20 W	34.9 V	DC
PL-CORE-MINI 3000-830-M	17.50 W	34.9 V	DC
PL-CORE-MINI 3000-835-M	17.50 W	34.9 V	DC
PL-CORE-MINI 3000-840-M	17.50 W	34.9 V	DC
PL-CORE-MINI 3000-927-M	17.50 W	34.9 V	DC
PL-CORE-MINI 3000-930-M	17.50 W	34.9 V	DC
PL-CORE-MINI 3000-935-M	17.50 W	34.9 V	DC
PL-CORE-MINI 2000-830-M	12.10 W	34.5 V	DC
PL-CORE-MINI 2000-835-M	12.10 W	34.5 V	DC
PL-CORE-MINI 2000-840-M	12.10 W	34.5 V	DC
PL-CORE-MINI 2000-927-M	12.10 W	34.5 V	DC
PL-CORE-MINI 2000-930-M	12.10 W	34.5 V	DC

Photometrical data

Product description	Luminous efficacy
PL-CORE-MINI 4000-830-M	145 lm/W
PL-CORE-MINI 4000-835-M	152 lm/W
PL-CORE-MINI 4000-840-M	155 lm/W
PL-CORE-MINI 4000-927-M	121 lm/W
PL-CORE-MINI 4000-930-M	127 lm/W
PL-CORE-MINI 4000-935-M	131 lm/W
PL-CORE-MINI 3000-830-M	153 lm/W
PL-CORE-MINI 3000-835-M	158 lm/W
PL-CORE-MINI 3000-840-M	161 lm/W
PL-CORE-MINI 3000-927-M	122 lm/W
PL-CORE-MINI 3000-930-M	128 lm/W
PL-CORE-MINI 3000-935-M	132 lm/W
PL-CORE-MINI 2000-830-M	150 lm/W
PL-CORE-MINI 2000-835-M	155 lm/W
PL-CORE-MINI 2000-840-M	158 lm/W
PL-CORE-MINI 2000-927-M	122 lm/W
PL-CORE-MINI 2000-930-M	128 lm/W

Dimensions & weight

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Product description	Product weight
PL-CORE-MINI 4000-830-M	6.50 g
PL-CORE-MINI 4000-835-M	6.50 g
PL-CORE-MINI 4000-840-M	6.50 g
PL-CORE-MINI 4000-927-M	6.50 g
PL-CORE-MINI 4000-930-M	6.50 g
PL-CORE-MINI 4000-935-M	6.50 g
PL-CORE-MINI 3000-830-M	6.50 g
PL-CORE-MINI 3000-835-M	6.50 g
PL-CORE-MINI 3000-840-M	6.50 g
PL-CORE-MINI 3000-927-M	6.50 g
PL-CORE-MINI 3000-930-M	6.50 g
PL-CORE-MINI 3000-935-M	6.50 g
PL-CORE-MINI 2000-830-M	8.30 g
PL-CORE-MINI 2000-835-M	8.30 g
PL-CORE-MINI 2000-840-M	8.30 g
PL-CORE-MINI 2000-927-M	8.30 g
PL-CORE-MINI 2000-930-M	8.30 g

Temperatures & operating conditions

Product description	Performance temp. acc. to IEC 62717	Maximum temperature at tc test point	Ambient temperature range	Temperature range at storage
PL-CORE-MINI 4000-830-M	85 °C	115 °C	-40...+105 °C	-40...120 °C
PL-CORE-MINI 4000-835-M	85 °C	115 °C	-40...+105 °C	-40...120 °C
PL-CORE-MINI 4000-840-M	85 °C	115 °C	-40...+105 °C	-40...120 °C
PL-CORE-MINI 4000-927-M	85 °C	115 °C	-40...+105 °C	-40...120 °C
PL-CORE-MINI 4000-930-M	85 °C	115 °C	-40...+105 °C	-40...120 °C
PL-CORE-MINI 4000-935-M	85 °C	115 °C	-40...+105 °C	-40...120 °C
PL-CORE-MINI 3000-830-M	85 °C	115 °C	-40...+105 °C	-40...120 °C
PL-CORE-MINI 3000-835-M	85 °C	115 °C	-40...+105 °C	-40...120 °C
PL-CORE-MINI 3000-840-M	85 °C	115 °C	-40...+105 °C	-40...120 °C
PL-CORE-MINI 3000-927-M	85 °C	115 °C	-40...+105 °C	-40...120 °C
PL-CORE-MINI 3000-930-M	85 °C	115 °C	-40...+105 °C	-40...120 °C
PL-CORE-MINI 3000-935-M	85 °C	115 °C	-40...+105 °C	-40...120 °C
PL-CORE-MINI 2000-830-M	85 °C	115 °C	-40...+105 °C	-40...120 °C
PL-CORE-MINI 2000-835-M	85 °C	115 °C	-40...+105 °C	-40...120 °C
PL-CORE-MINI 2000-840-M	85 °C	115 °C	-40...+105 °C	-40...120 °C
PL-CORE-MINI 2000-927-M	85 °C	115 °C	-40...+105 °C	-40...120 °C
PL-CORE-MINI 2000-930-M	85 °C	115 °C	-40...+105 °C	-40...120 °C

Lifespan

Product description	Lifespan
PL-CORE-MINI 4000-830-M	50000 h
PL-CORE-MINI 4000-835-M	50000 h

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Product description	Lifespan
PL-CORE-MINI 4000-840-M	50000 h
PL-CORE-MINI 4000-927-M	50000 h
PL-CORE-MINI 4000-930-M	50000 h
PL-CORE-MINI 4000-935-M	50000 h
PL-CORE-MINI 3000-830-M	50000 h
PL-CORE-MINI 3000-835-M	50000 h
PL-CORE-MINI 3000-840-M	50000 h
PL-CORE-MINI 3000-927-M	50000 h
PL-CORE-MINI 3000-930-M	50000 h
PL-CORE-MINI 3000-935-M	50000 h
PL-CORE-MINI 2000-830-M	50000 h
PL-CORE-MINI 2000-835-M	50000 h
PL-CORE-MINI 2000-840-M	50000 h
PL-CORE-MINI 2000-927-M	50000 h
PL-CORE-MINI 2000-930-M	50000 h

Capabilities

Product description	Dimmable
PL-CORE-MINI 4000-830-M	Yes
PL-CORE-MINI 4000-835-M	Yes
PL-CORE-MINI 4000-840-M	Yes
PL-CORE-MINI 4000-927-M	Yes
PL-CORE-MINI 4000-930-M	Yes
PL-CORE-MINI 4000-935-M	Yes
PL-CORE-MINI 3000-830-M	Yes
PL-CORE-MINI 3000-835-M	Yes
PL-CORE-MINI 3000-840-M	Yes
PL-CORE-MINI 3000-927-M	Yes
PL-CORE-MINI 3000-930-M	Yes
PL-CORE-MINI 3000-935-M	Yes
PL-CORE-MINI 2000-830-M	Yes
PL-CORE-MINI 2000-835-M	Yes
PL-CORE-MINI 2000-840-M	Yes
PL-CORE-MINI 2000-927-M	Yes
PL-CORE-MINI 2000-930-M	Yes

Certificates & standards

Product description	Standards
PL-CORE-MINI 4000-830-M	Acc. to IEC 62471/Acc. to IEC 62031/Acc. to IEC 60598
PL-CORE-MINI 4000-835-M	Acc. to IEC 62471/Acc. to IEC 62031/Acc. to IEC 60598

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Product description	Standards
PL-CORE-MINI 4000-840-M	Acc. to IEC 62471/Acc. to IEC 62031/Acc. to IEC 60598
PL-CORE-MINI 4000-927-M	Acc. to IEC 62471/Acc. to IEC 62031/Acc. to IEC 60598
PL-CORE-MINI 4000-930-M	Acc. to IEC 62471/Acc. to IEC 62031/Acc. to IEC 60598
PL-CORE-MINI 4000-935-M	Acc. to IEC 62471/Acc. to IEC 62031/Acc. to IEC 60598
PL-CORE-MINI 3000-830-M	Acc. to IEC 62471/Acc. to IEC 62031/Acc. to IEC 60598
PL-CORE-MINI 3000-835-M	Acc. to IEC 62471/Acc. to IEC 62031/Acc. to IEC 60598
PL-CORE-MINI 3000-840-M	Acc. to IEC 62471/Acc. to IEC 62031/Acc. to IEC 60598
PL-CORE-MINI 3000-927-M	Acc. to IEC 62471/Acc. to IEC 62031/Acc. to IEC 60598
PL-CORE-MINI 3000-930-M	Acc. to IEC 62471/Acc. to IEC 62031/Acc. to IEC 60598
PL-CORE-MINI 3000-935-M	Acc. to IEC 62471/Acc. to IEC 62031/Acc. to IEC 60598
PL-CORE-MINI 2000-830-M	Acc. to IEC 62471/Acc. to IEC 62031/Acc. to IEC 60598
PL-CORE-MINI 2000-835-M	Acc. to IEC 62471/Acc. to IEC 62031/Acc. to IEC 60598
PL-CORE-MINI 2000-840-M	Acc. to IEC 62471/Acc. to IEC 62031/Acc. to IEC 60598
PL-CORE-MINI 2000-927-M	Acc. to IEC 62471/Acc. to IEC 62031/Acc. to IEC 60598
PL-CORE-MINI 2000-930-M	Acc. to IEC 62471/Acc. to IEC 62031/Acc. to IEC 60598

Logistical data

Product description	Commodity code
PL-CORE-MINI 4000-830-M	888888888888
PL-CORE-MINI 4000-835-M	888888888888
PL-CORE-MINI 4000-840-M	888888888888

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Product description	Commodity code
PL-CORE-MINI 4000-927-M	888888888888
PL-CORE-MINI 4000-930-M	888888888888
PL-CORE-MINI 4000-935-M	888888888888
PL-CORE-MINI 3000-830-M	888888888888
PL-CORE-MINI 3000-835-M	888888888888
PL-CORE-MINI 3000-840-M	888888888888
PL-CORE-MINI 3000-927-M	888888888888
PL-CORE-MINI 3000-930-M	888888888888
PL-CORE-MINI 3000-935-M	888888888888
PL-CORE-MINI 2000-830-M	888888888888
PL-CORE-MINI 2000-835-M	888888888888
PL-CORE-MINI 2000-840-M	888888888888
PL-CORE-MINI 2000-927-M	888888888888
PL-CORE-MINI 2000-930-M	888888888888




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 LM80 Report -Core pro and Core Mini series 1620mA
 Certificates LM80 report- Core Pro and Core Mini series 2160mA
 Declarations of conformity Declarations of conformity

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899547520	PL-CORE-MINI 4000-830-M	Shipping carton box 100	214 mm x 214 mm x 96 mm	4.40 dm ³	1023.00 g
4052899547544	PL-CORE-MINI 4000-835-M	Shipping carton box 100	214 mm x 214 mm x 96 mm	4.40 dm ³	1023.00 g
4052899547568	PL-CORE-MINI 4000-840-M	Shipping carton box 100	214 mm x 214 mm x 96 mm	4.40 dm ³	1023.00 g

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Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899547568	PL-CORE-MINI 4000-840-M	Shipping carton box 100	214 mm x 214 mm x 96 mm	4.40 dm ³	1023.00 g
4052899547582	PL-CORE-MINI 4000-927-M	Shipping carton box 100	214 mm x 214 mm x 96 mm	4.40 dm ³	1023.00 g
4052899547605	PL-CORE-MINI 4000-930-M	Shipping carton box 100	214 mm x 214 mm x 96 mm	4.40 dm ³	1023.00 g
4052899547629	PL-CORE-MINI 4000-935-M	Shipping carton box 100	214 mm x 214 mm x 96 mm	4.40 dm ³	1023.00 g
4052899547643	PL-CORE-MINI 3000-830-M	Shipping carton box 100	214 mm x 214 mm x 96 mm	4.40 dm ³	1023.00 g
4052899547667	PL-CORE-MINI 3000-835-M	Shipping carton box 100	214 mm x 214 mm x 96 mm	4.40 dm ³	1023.00 g
4052899547681	PL-CORE-MINI 3000-840-M	Shipping carton box 100	214 mm x 214 mm x 96 mm	4.40 dm ³	1023.00 g
4052899547704	PL-CORE-MINI 3000-927-M	Shipping carton box 100	214 mm x 214 mm x 96 mm	4.40 dm ³	1023.00 g
4052899547728	PL-CORE-MINI 3000-930-M	Shipping carton box 100	214 mm x 214 mm x 96 mm	4.40 dm ³	1023.00 g
4052899547742	PL-CORE-MINI 3000-935-M	Shipping carton box 100	214 mm x 214 mm x 96 mm	4.40 dm ³	1023.00 g
4052899547766	PL-CORE-MINI 2000-830-M	Shipping carton box 100	214 mm x 214 mm x 96 mm	4.40 dm ³	1208.00 g
4052899547780	PL-CORE-MINI 2000-835-M	Shipping carton box 100	214 mm x 214 mm x 96 mm	4.40 dm ³	1208.00 g
4052899547803	PL-CORE-MINI 2000-840-M	Shipping carton box 100	214 mm x 214 mm x 96 mm	4.40 dm ³	1208.00 g
4052899547827	PL-CORE-MINI 2000-927-M	Shipping carton box 100	214 mm x 214 mm x 96 mm	4.40 dm ³	1208.00 g
4052899547841	PL-CORE-MINI 2000-930-M	Shipping carton box 100	214 mm x 214 mm x 96 mm	4.40 dm ³	1208.00 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.

Disclaimer

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