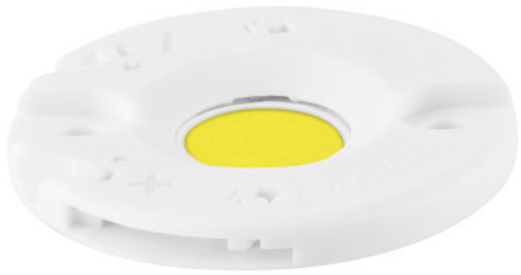
PrevaLED Core G7 L10 H1

Spot-, Down- and Wallmount Light Engines and Modules



Product family features

- Complete portfolio with varying luminous flux, color temperature, color rendering
- Available with color temperature: 2,700 K, 3,000 K, 3,500 K or 4,000 K
- High module efficacy: up to 156 lm/W at T_p = 65 °C
- LED module is basic isolated to mounting surface
- Photobiological safety according to IEC/TR 62778, risk group RG1
- Max. working voltage: 60 V (to be operated only on SELV LED control gear)

Product family benefits

- Easy integration thanks to very compact form factor
- Easy cooling due to optimized efficiency and high maximum operation temperature
- High driver flexibility allows cost-effective and intelligent systems
- 5 year guarantee

Areas of application

- Spotlighting in shops and retail
- Down- and wall lighting in offices, corridors, meeting rooms, workplaces
- Decorative and functional lighting in hospitality, hotels, restaurants
- Functional lighting in public and commercial buildings

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Technical data

	Electrical data			Photometrical data		Light technical data	
Product description	**Nominal voltage**	**Nominal current**	**Type of current**	**Luminous efficacy**	**Color rendering index Ra**	**Starting time**	**Warm-up time (60 %)**
PL-CORE-G7 1000-840 L10 H1 [1)]	34.9 V	0.184 A	DC	156 lm/W	80	0.0 s	0.00 s
PL-CORE-G7 1000-927 L10 H1 [1)]	36.0 V	0.245 A	DC	113 lm/W	90	0.0 s	0.00 s
PL-CORE-G7 2000-835 L10 H1 [1)]	35.1 V	0.395 A	DC	144 lm/W	80	0.0 s	0.00 s

		Dimensions & weight			
Product description	**Beam angle**	**Product weight**	**Width**	**Length**	**Height**
PL-CORE-G7 1000-840 L10 H1 [1)]	120 °	3.00 g	35.0 mm	35.0 mm	4.0 mm
PL-CORE-G7 1000-927 L10 H1 [1)]	120 °	3.00 g	35.0 mm	35.0 mm	4.0 mm
PL-CORE-G7 2000-835 L10 H1 [1)]	120 °	3.00 g	35.0 mm	35.0 mm	4.0 mm

		Temperatures & operating conditions		
Product description	**Diameter**	**Performance temp. acc. to IEC 62717**	**Maximum temperature at tc test point**	**Ambient temperature range**
PL-CORE-G7 1000-840 L10 H1 [1)]	35.0 mm	65 °C	100 °C	-20…+50 °C
PL-CORE-G7 1000-927 L10 H1 [1)]	35.0 mm	65 °C	100 °C	-20…+50 °C
PL-CORE-G7 2000-835 L10 H1 [1)]	35.0 mm	65 °C	100 °C	-20…+50 °C

		Lifespan		Additional product data
Product description	**Temperature range at storage**	**Number of switching cycles**	**L70B50 lifetime**	**Lighting technology used**
PL-CORE-G7 1000-840 L10 H1 [1)]	-20…60 °C	100000	60000 h	LED
PL-CORE-G7 1000-927 L10 H1 [1)]	-20…60 °C	100000	60000 h	LED
PL-CORE-G7 2000-835 L10 H1 [1)]	-20…60 °C	100000	60000 h	LED

	Certificates & standards	Logistical data	Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)
Product description	**Standards**	**Commodity code**	**Date of Declaration**
PL-CORE-G7 1000-840 L10 H1 [1)]	CE/ENEC	85414100000	26-07-2023
PL-CORE-G7 1000-927 L10 H1 [1)]	CE/ENEC	85414100000	26-07-2023
PL-CORE-G7 2000-835 L10 H1 [1)]	CE/ENEC	85414100000	26-07-2023

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Product description	Primary Article Identifier	Candidate List Substance 1	Declaration No. in SCIP database
PL-CORE-G7 1000-840 L10 H1 [1)]	4052899533981	No declarable substances contained	No declarable substances contained
PL-CORE-G7 1000-927 L10 H1 [1)]	4052899534001	No declarable substances contained	No declarable substances contained
PL-CORE-G7 2000-835 L10 H1 [1)]	4052899534186	No declarable substances contained	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%

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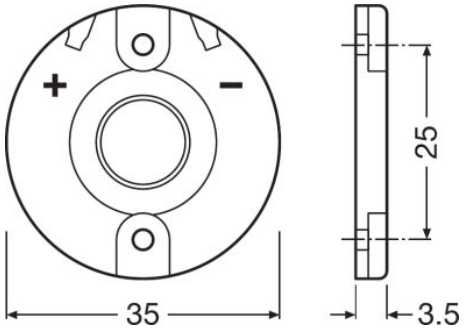

PL-CORE-G7 10002000-8xx9xx L10 H1 VS100

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
	Addon Technical Information PrevaLED Core G7 Overview
	Certificates PL ENEC 40031612 250723
	Certificates ENEC Certificate PL CORE G7
	Declarations of conformity PL CORE G7 CE 3610978 150623
	CAD data PL CORE G7 L10 H1 IGS 150520
	CAD data PL CORE G7 L10 H1 STEP 150520
	CAD Data 2-dim PL CORE G7 L10 H1 CAD2PDF 150520
	CAD data 3-dim PL CORE G7 L10 H1 CAD3PDF 150520

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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
4052899533981	PL-CORE-G7 1000-840 L10 H1	Shipping carton box 100	270 mm x 221 mm x 77 mm	4.59 dm^3	710.00 g
4052899534001	PL-CORE-G7 1000-927 L10 H1	Shipping carton box 100	270 mm x 221 mm x 77 mm	4.59 dm^3	710.00 g
4052899534186	PL-CORE-G7 2000-835 L10 H1	Shipping carton box 100	270 mm x 221 mm x 77 mm	4.59 dm^3	710.00 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 multi-level guarantee and the terms and conditions of the guarantee visit https://

- www.inventronics-light.com/multilevel-guarantees

Disclaimer

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