

LINEARlight Rigid NICHE

Professional LED modules



Product family benefits

- Elegant appearance, soft lighting, super slim design
- Seamless connection hidden in the structure, homogeneous light
- Surface mounting with screws or magnets for easy installation
- Available in warm white and cool white
- Viewing angle per module: 120°
- Dimmable (with suitable PWM dimming methods)

Areas of application

- Interior lighting
- Show case and stock shelf lighting
- Retail and supermarkets
- Corridors and stairwells



Product family datasheet

Technical data

Product description	Electrical data				Photometrical data		
	Nominal voltage	Type of current	Rated wattage	Input voltage range	Light color LED	Color temperature	Color rendering index Ra
LR700-SD-G1 827-03 2.7W 24VDC	240 V	DC	270 W	23...25 V	White	2700 K ¹⁾	>80
LR700-SD-G1 830-06 5.9W 24VDC	240 V	DC	590 W	23...25 V	White	3000 K ²⁾	>80
LR700-SD-G1 840-06 5.9W 24VDC	240 V	DC	590 W	23...25 V	White	4000 K ³⁾	>80
LR700-SD-G1 827-09 8.6W 24VDC	240 V	DC	860 W	23...25 V	White	2700 K ¹⁾	>80
LR700-SD-G1 830-12 11.7W 24VDC	240 V	DC	1170 W	23...25 V	White	3000 K ²⁾	>80

Product description	Total useful luminous flux	Luminous efficacy	Light color (designation)	Light technical data		LED module information
				Starting time	Warm-up time (60 %)	Number of LEDs per module
LR700-SD-G1 827-03 2.7W 24VDC	174 lm	603 lm/W	White	< 05 s	< 050 s	42
LR700-SD-G1 830-06 5.9W 24VDC	412 lm	692 lm/W	White	< 05 s	< 050 s	91
LR700-SD-G1 840-06 5.9W 24VDC	436 lm	733 lm/W	White	< 05 s	< 050 s	91
LR700-SD-G1 827-09 8.6W 24VDC	595 lm	689 lm/W	White	< 05 s	< 050 s	133
LR700-SD-G1 830-12 11.7W 24VDC	848 lm	714 lm/W	White	< 05 s	< 050 s	182

Product description	Dimensions & weight		Colors & materials		Temperatures & operating conditions
	Length	Product weight	Cover material	Body material	Maximum temperature at tc test point
LR700-SD-G1 827-03 2.7W 24VDC	2850 mm	2380 g	Polycarbonate (PC)	Aluminum	70 °C
LR700-SD-G1 830-06 5.9W 24VDC	6030 mm	4480 g	Polycarbonate (PC)	Aluminum	70 °C
LR700-SD-G1 840-06 5.9W 24VDC	6030 mm	4480 g	Polycarbonate (PC)	Aluminum	70 °C
LR700-SD-G1 827-09 8.6W 24VDC	8760 mm	6150 g	Polycarbonate (PC)	Aluminum	70 °C
LR700-SD-G1 830-12 11.7W 24VDC	1195 mm	8920 g	Polycarbonate (PC)	Aluminum	70 °C

Product description	Temperature range at storage	Temperature range in operation at Tc point	Certificates & standards	Logistical data
			Standards	Commodity code
LR700-SD-G1 827-03 2.7W 24VDC	-20...65 °C	-20...70 °C	Acc. to IEC 62471/Acc. to EN 60529/Acc. to IEC 60598-1 (clause 15)/Acc. to EN 62031/Acc. to EN 55015/Acc. to EN 61547/CE	940542319000

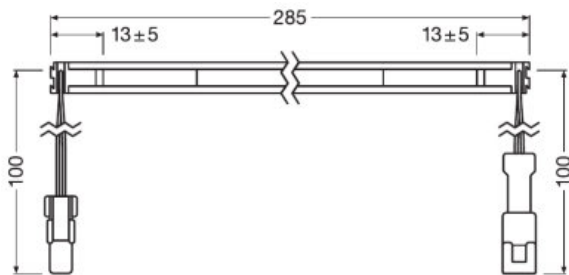
Product family datasheet

Product description	Temperature range at storage	Temperature range in operation at Tc point	Certificates & standards	Logistical data
			Standards	Commodity code
LR700-SD-G1 830-06 5.9W 24VDC	-20...65 °C	-20...70 °C	Acc. to IEC 62471/Acc. to EN 60529/Acc. to IEC 60598-1 (clause 15)/Acc. to EN 62031/Acc. to EN 55015/Acc. to EN 61547/CE	940540399000
LR700-SD-G1 840-06 5.9W 24VDC	-20...65 °C	-20...70 °C	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/CE	940542319000
LR700-SD-G1 827-09 8.6W 24VDC	-20...65 °C	-20...70 °C	Acc. to IEC 62471/Acc. to EN 60529/Acc. to IEC 60598-1 (clause 15)/Acc. to EN 62031/Acc. to EN 55015/Acc. to EN 61547/CE	940542319000
LR700-SD-G1 830-12 11.7W 24VDC	-20...65 °C	-20...70 °C	Acc. to IEC 62471/Acc. to EN 60529/Acc. to IEC 60598-1 (clause 15)/Acc. to EN 62031/Acc. to EN 55015/Acc. to EN 61547/CE	940540399000

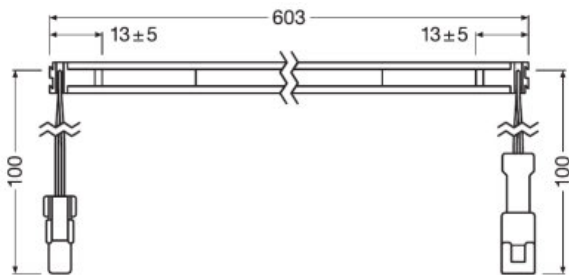
Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)			
Product description	Date of Declaration	Primary Article Identifier	Declaration No. in SCIP database
LR700-SD-G1 827-03 2.7W 24VDC	29-03-2024	4052899557451	In work
LR700-SD-G1 830-06 5.9W 24VDC	29-03-2024	4052899557550	In work
LR700-SD-G1 840-06 5.9W 24VDC	29-03-2024	4052899557574	In work
LR700-SD-G1 827-09 8.6W 24VDC	29-03-2024	4052899557611	In work
LR700-SD-G1 830-12 11.7W 24VDC	19-01-2022	4052899557710	In work

1) Emitted CCT 2500K
2) Emitted CCT 2800K
3) Emitted CCT 3600K

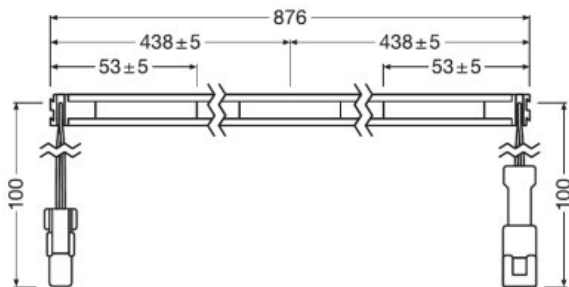
Product family datasheet



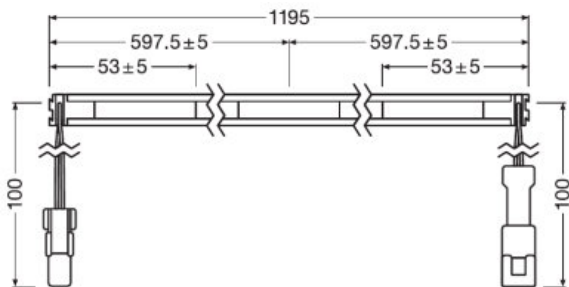
LR700SD-G1-8xx-03



LR700SD-G1-8xx-06



LR700SD-G1-8xx-09



LR700SD-G1-8xx-12

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	
	User instruction LINEARlight Rigid NICHE
	Product Datasheet LINEARlight Rigid NICHE specification sheet

Product family datasheet

	Declarations of conformity RIGID SLIM family CE 3601825 02 280723
	CAD data LR700SD-G1-xxx-03
	Eulumdat Eulumdat LR700SD-G1-827-03
	CAD data LR700SD-G1-xxx-06
	Eulumdat Eulumdat LR700SD-G1-830-06
	Eulumdat Eulumdat LR700SD-G1-840-06
	CAD data LR700SD-G1-xxx-09
	Eulumdat Eulumdat LR700SD-G1-827-09
	CAD data LR700SD-G1-xxx-12
	Eulumdat Eulumdat LR700SD-G1-830-12

Ecodesign regulation information:

- This product is considered to be a "containing product" in the sense of Regulations (EU) 2019/2020 and (EU) 2019/2015.
- Tolerances of the reported values, are according to LED Modules Performance standard IEC/EN 62717.
- In general, the replacement of the contained light sources without permanent damage to the product with the use of common available tools is possible in the final application when they can be dismantled from the installation environment and substituted for the necessary number of light sources restoring its full electrical/mechanical/thermal/optical functionality by means of a professional installer. In the contrary, and limited to the LINEARlight Flex Diffuse, LINEARlight Rigid Finesse, GINO LED Flex Diffuse and LUMINENT Milky product families, the contained light source is an integrated part of the containing product and its removal can only be done by causing a permanent damage to the containing product due to its tight mechanical, electrical, optical, thermal interaction and/or environmental protection with or from the containing product. Therefore, a replacement of the light source with the use of common available tools is not justified.
- Dismantling of light sources from containing products at end of life: Containing products with light sources which are scalable in length can be cut to the length of the contained light source and if applicable mechanically detached from protective and/or optical covers. Containing products shall be separated from building material and/or from other additional mounting accessories by means of a professional installer. 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
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Product family datasheet

Logistical Data

4052899557451	LR700-SD-G1 827-03 2.7W 24VDC	Shipping carton box 100	360 mm x 200 mm x 140 mm	10.08 dm ³	4915.00 g
4052899557550	LR700-SD-G1 830-06 5.9W 24VDC	Shipping carton box 100	660 mm x 200 mm x 140 mm	18.48 dm ³	9191.00 g
4052899557574	LR700-SD-G1 840-06 5.9W 24VDC	Shipping carton box 100	660 mm x 200 mm x 140 mm	18.48 dm ³	9191.00 g
4052899557611	LR700-SD-G1 827-09 8.6W 24VDC	Shipping carton box 100	940 mm x 200 mm x 140 mm	26.32 dm ³	12926.00 g
4052899557710	LR700-SD-G1 830-12 11.7W 24VDC	Shipping carton box 100	1260 mm x 200 mm x 140 mm	35.28 dm ³	17983.00 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.