

LINEARlight FLEX POWER 1200

LED modules for professional and industrial applications



Areas of application

- Architecture lighting
- Cove lighting
- Ceiling integration
- Wall integration

Product benefits

- Large selection of light colors
- Great design freedom thanks to flexibility and cuttability of module
- Simple mounting and connection
- Toolless connection with the optional CONNECTsystem
- Easy mounting on many smooth surfaces thanks to self-adhesive tape at the back
- "Shop White" versions available for great color rendering without yellowing effect
- Extraordinary design and high quality materials
- Type of protection: IP00

Product features

- Flexible and cuttable LED strip
- Luminous flux: up to 1,200 lm/m
- Module efficacy: up to 152 lm/W
- Dimmable (with many common dimmers)
- Fine White (3 SDCM)



Product family datasheet

Technical data

Electrical data

Product description	Nominal voltage	Rated wattage	Reverse Voltage	Input voltage range
LF1200 -G3-820-09 ¹⁾	24.0 V	95.70 W	25 V	23...25 V
LF1200 -G3-824-09 ¹⁾	24.0 V	95.70 W	25 V	23...25 V
LF1200 -G3-827-09 ¹⁾	24.0 V	80.10 W	25 V	23...25 V
LF1200 -G3-830-09 ¹⁾	24.0 V	80.10 W	25 V	23...25 V
LF1200 -G3-840-09 ¹⁾	24.0 V	73.20 W	25 V	23...25 V
LF1200 -G3-850-09 ¹⁾	24.0 V	73.20 W	25 V	23...25 V
LF1200 -G3-865-09 ¹⁾	24.0 V	73.20 W	25 V	23...25 V
LF1200 -G3-927-09 ¹⁾	24.0 V	95.70 W	25 V	23...25 V
LF1200 -G3-930-09 ¹⁾	24.0 V	95.70 W	25 V	23...25 V
LF1200 -G3-940-09 ¹⁾	24.0 V	89.60 W	25 V	23...25 V
LF1200 -G3-SW30-09 ¹⁾	24.0 V	90.00 W		23...25 V
LF1200 -G3-SW40-09 ¹⁾	24.0 V	90.00 W		23...25 V

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

Photometrical data

Product description	Color temperature	Light color (designation)	Light color LED	Luminous efficacy	Color rendering index Ra
LF1200 -G3-820-09 ¹⁾	2000 K	Warm Comfort Light	White	94 lm/W	>80
LF1200 -G3-824-09 ¹⁾	2400 K	Warm Comfort Light	White	113 lm/W	>80
LF1200 -G3-827-09 ¹⁾	2700 K	Warm White	White	135 lm/W	>80
LF1200 -G3-830-09 ¹⁾	3000 K	White	White	135 lm/W	>80
LF1200 -G3-840-09 ¹⁾	4000 K	Cool White	White	147 lm/W	>80
LF1200 -G3-850-09 ¹⁾	5000 K	Daylight	White	147 lm/W	>80
LF1200 -G3-865-09 ¹⁾	6500 K	Cool Daylight	White	147 lm/W	>80
LF1200 -G3-927-09 ¹⁾	2700 K	Warm White	White	103 lm/W	>90
LF1200 -G3-930-09 ¹⁾	3000 K	White	White	113 lm/W	>90
LF1200 -G3-940-09 ¹⁾	4000 K	Cool White	White	120 lm/W	>90
LF1200 -G3-SW30-09 ¹⁾	3000 K	Warm White	White		>80
LF1200 -G3-SW40-09 ¹⁾	4000 K	White	White		>80

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

Product family datasheet

Light technical data

Product description	Beam angle
LF1200 -G3-820-09 ¹⁾	120 °
LF1200 -G3-824-09 ¹⁾	120 °
LF1200 -G3-827-09 ¹⁾	120 °
LF1200 -G3-830-09 ¹⁾	120 °
LF1200 -G3-840-09 ¹⁾	120 °
LF1200 -G3-850-09 ¹⁾	120 °
LF1200 -G3-865-09 ¹⁾	120 °
LF1200 -G3-927-09 ¹⁾	120 °
LF1200 -G3-930-09 ¹⁾	120 °
LF1200 -G3-940-09 ¹⁾	120 °
LF1200 -G3-SW30-09 ¹⁾	120 °
LF1200 -G3-SW40-09 ¹⁾	120 °

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

LED module information

Product description	Number of LEDs per module	Number of LEDs per meter
LF1200 -G3-820-09 ¹⁾	630	70
LF1200 -G3-824-09 ¹⁾	630	70
LF1200 -G3-827-09 ¹⁾	630	70
LF1200 -G3-830-09 ¹⁾	630	70
LF1200 -G3-840-09 ¹⁾	630	70
LF1200 -G3-850-09 ¹⁾	630	70
LF1200 -G3-865-09 ¹⁾	630	70
LF1200 -G3-927-09 ¹⁾	630	70
LF1200 -G3-930-09 ¹⁾	630	70
LF1200 -G3-940-09 ¹⁾	630	70
LF1200 -G3-SW30-09 ¹⁾		70
LF1200 -G3-SW40-09 ¹⁾		70

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

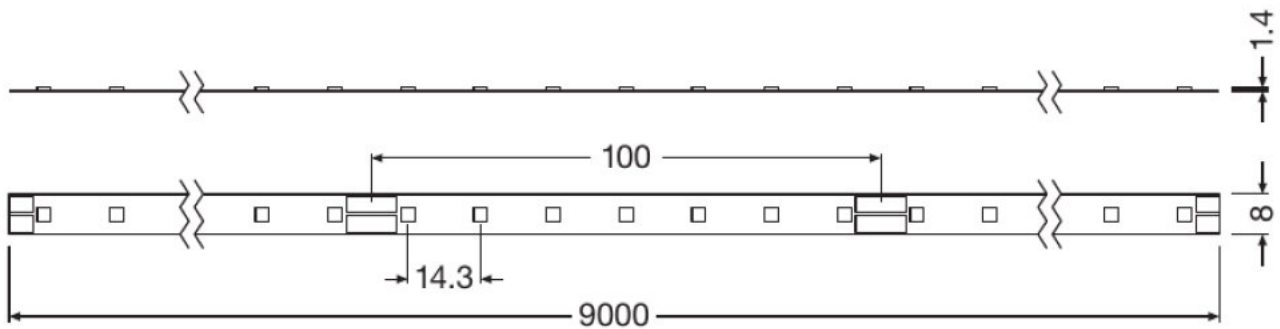
Product family datasheet

Dimensions & weight

Product description	Length	Width	Height	Product weight	Length – smallest unit
LF1200 -G3-820-09 ¹⁾	9000 mm	8.0 mm	1.4 mm	116.00 g	100.0 mm
LF1200 -G3-824-09 ¹⁾	9000 mm	8.0 mm	1.4 mm	116.00 g	100.0 mm
LF1200 -G3-827-09 ¹⁾	9000 mm	8.0 mm	1.4 mm	116.00 g	100.0 mm
LF1200 -G3-830-09 ¹⁾	9000 mm	8.0 mm	1.4 mm	116.00 g	100.0 mm
LF1200 -G3-840-09 ¹⁾	9000 mm	8.0 mm	1.4 mm	116.00 g	100.0 mm
LF1200 -G3-850-09 ¹⁾	9000 mm	8.0 mm	1.4 mm	116.00 g	100.0 mm
LF1200 -G3-865-09 ¹⁾	9000 mm	8.0 mm	1.4 mm	116.00 g	100.0 mm
LF1200 -G3-927-09 ¹⁾	9000 mm	8.0 mm	1.4 mm	116.00 g	100.0 mm
LF1200 -G3-930-09 ¹⁾	9000 mm	8.0 mm	1.4 mm	116.00 g	100.0 mm
LF1200 -G3-940-09 ¹⁾	9000 mm	8.0 mm	1.4 mm	116.00 g	100.0 mm
LF1200 -G3-SW30-09 ¹⁾	9000 mm	8.0 mm		116.00 g	100.0 mm
LF1200 -G3-SW40-09 ¹⁾	9000 mm	8.0 mm		116.00 g	100.0 mm

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

Product line drawing



LF1200 -G3-820-09, LF1200 -G3-824-09, LF1200 -G3-827-09, LF1200 -G3-830-09, LF1200 -G3-840-09, LF1200 -G3-850-09, LF1200 -G3-865-09, LF1200 -G3-927-09, LF1200 -G3-930-09, LF1200 -G3-940-09, LF1200 -G3-SW30-09, LF1200 -G3-SW40-09

Temperatures & operating conditions

Product description	Temperature range in operation
LF1200 -G3-820-09 ¹⁾	-20...75 °C
LF1200 -G3-824-09 ¹⁾	-20...75 °C
LF1200 -G3-827-09 ¹⁾	-20...75 °C
LF1200 -G3-830-09 ¹⁾	-20...75 °C
LF1200 -G3-840-09 ¹⁾	-20...75 °C
LF1200 -G3-850-09 ¹⁾	-20...75 °C
LF1200 -G3-865-09 ¹⁾	-20...75 °C
LF1200 -G3-927-09 ¹⁾	-20...75 °C
LF1200 -G3-930-09 ¹⁾	-20...75 °C
LF1200 -G3-940-09 ¹⁾	-20...75 °C
LF1200 -G3-SW30-09 ¹⁾	
LF1200 -G3-SW40-09 ¹⁾	

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

Certificates & standards

Product description	Standards
LF1200 -G3-820-09 ¹⁾	CE/UL/ENEC/EAC/VDE/Acc. to ENEC 10
LF1200 -G3-824-09 ¹⁾	CE/UL/ENEC/EAC/VDE/Acc. to ENEC 10
LF1200 -G3-827-09 ¹⁾	CE/UL/ENEC/EAC/VDE/Acc. to ENEC 10
LF1200 -G3-830-09 ¹⁾	CE/UL/ENEC/EAC/VDE/Acc. to ENEC 10
LF1200 -G3-840-09 ¹⁾	CE/UL/ENEC/EAC/VDE/Acc. to ENEC 10
LF1200 -G3-850-09 ¹⁾	CE/UL/ENEC/EAC/VDE/Acc. to ENEC 10
LF1200 -G3-865-09 ¹⁾	CE/UL/ENEC/EAC/VDE/Acc. to ENEC 10
LF1200 -G3-927-09 ¹⁾	CE/UL/ENEC/EAC/VDE/Acc. to ENEC 10
LF1200 -G3-930-09 ¹⁾	CE/UL/ENEC/EAC/VDE/Acc. to ENEC 10
LF1200 -G3-940-09 ¹⁾	CE/UL/ENEC/EAC/VDE/Acc. to ENEC 10
LF1200 -G3-SW30-09 ¹⁾	CE/UL/ENEC/EAC/VDE/Acc. to ENEC 10
LF1200 -G3-SW40-09 ¹⁾	CE/UL/ENEC/EAC/VDE/Acc. to ENEC 10

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

Product family datasheet

Logistical data

Product description	Temperature range at storage
LF1200 -G3-820-09 ¹⁾	-40...80 °C
LF1200 -G3-824-09 ¹⁾	-40...80 °C
LF1200 -G3-827-09 ¹⁾	-40...80 °C
LF1200 -G3-830-09 ¹⁾	-40...80 °C
LF1200 -G3-840-09 ¹⁾	-40...80 °C
LF1200 -G3-850-09 ¹⁾	-40...80 °C
LF1200 -G3-865-09 ¹⁾	-40...80 °C
LF1200 -G3-927-09 ¹⁾	-40...80 °C
LF1200 -G3-930-09 ¹⁾	-40...80 °C
LF1200 -G3-940-09 ¹⁾	-40...80 °C
LF1200 -G3-SW30-09 ¹⁾	
LF1200 -G3-SW40-09 ¹⁾	

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Equipment / Accessories

- Simplified connection with optional matching CONNECTsystem
- Quick installation with optional SLIM TRACK System
- Perfectly matched to OPTOTRONIC 24 V electronic control gears




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
 Brochures Light is freedom of design (EN)
 Certificates EAC Certificate
 Certificates UL Certificate

Product family datasheet

	Certificates ENEC10_VDE Certificate
	Certificates VDE_ENEC+ Certificate
	Declarations of conformity EU Declaration of conformity
	Declarations of conformity Manufacturer declaration
	Eulumdat 727118_LF1200-G3-820-09_LDT
	IES data 727125_LF1200-G3-820-09_IES
	Eulumdat 727120_LF1200-G3-824-09_LDT
	IES data 727119_LF1200-G3-824-09_IES
	Eulumdat 727122_LF1200-G3-827-09_LDT
	IES data 727121_LF1200-G3-827-09_IES
	Eulumdat 727124_LF1200-G3-830-09_ldt
	IES data 727123_LF1200-G3-830-09_IES
	Eulumdat 727127_LF1200-G3-840-09_LDT
	IES data 727126_LF1200-G3-840-09_IES
	Eulumdat 727129_LF1200-G3-850-09_LDT
	IES data 727128_LF1200-G3-850-09_IES
	Eulumdat 727131_LF1200-G3-865-09_LDT
	IES data 727130_LF1200-G3-865-09_IES
	Eulumdat 727153_LF1200-G3-927-09_LDT
	IES data 727132_LF1200-G3-927-09_IES
	Eulumdat 727155_LF1200-G3-930-09_LDT
	IES data 727154_LF1200-G3-930-09_IES
	Eulumdat 727157_LF1200-G3-940-09_LDT

Product family datasheet

	IES data 727156_LF1200-G3-940-09_IES
	Eulumdat 727159_LF1200-G3-SW30-09_LDT
	IES data 727158_LF1200-G3-SW30-09_IES
	Eulumdat 727161_LF1200-G3-SW40-09_LDT
	IES data 727160_LF1200-G3-SW40-09_IES

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899953055	LF1200 -G3-820-09	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1861.00 g
4052899953062	LF1200 -G3-824-09	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1861.00 g
4052899953079	LF1200 -G3-827-09	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1861.00 g
4052899953086	LF1200 -G3-830-09	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1861.00 g
4052899953093	LF1200 -G3-840-09	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1861.00 g
4052899953291	LF1200 -G3-850-09	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1861.00 g
4052899953314	LF1200 -G3-865-09	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1861.00 g
4052899953321	LF1200 -G3-927-09	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1861.00 g
4052899953338	LF1200 -G3-930-09	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1861.00 g
4052899953345	LF1200 -G3-940-09	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1861.00 g
4052899964044	LF1200 -G3-SW30-09	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1861.00 g
4052899964051	LF1200 -G3-SW40-09	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1861.00 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 family datasheet

Product description	Accessory name	Accessory code
LF1200 -G3-820-09	LINEARlight FLEX, -SC08-G2-CT2PF-0500	▶ 4052899464759
LF1200 -G3-820-09	LINEARlight FLEX, -SC08-G2-CT2PF-1000	▶ 4052899464780
LF1200 -G3-820-09	LINEARlight FLEX, -SC08-G2-CT4PJ	▶ 4052899464872
LF1200 -G3-824-09	LINEARlight FLEX, -SC08-G2-CT2PF-0500	▶ 4052899464759
LF1200 -G3-824-09	LINEARlight FLEX, -SC08-G2-CT2PF-1000	▶ 4052899464780
LF1200 -G3-824-09	LINEARlight FLEX, -SC08-G2-CT4PJ	▶ 4052899464872
LF1200 -G3-827-09	LINEARlight FLEX, -SC08-G2-CT2PF-0500	▶ 4052899464759
LF1200 -G3-827-09	LINEARlight FLEX, -SC08-G2-CT2PF-1000	▶ 4052899464780
LF1200 -G3-827-09	LINEARlight FLEX, -SC08-G2-CT4PJ	▶ 4052899464872
LF1200 -G3-830-09	LINEARlight FLEX, -SC08-G2-CT2PF-0500	▶ 4052899464759
LF1200 -G3-830-09	LINEARlight FLEX, -SC08-G2-CT2PF-1000	▶ 4052899464780
LF1200 -G3-830-09	LINEARlight FLEX, -SC08-G2-CT4PJ	▶ 4052899464872
LF1200 -G3-840-09	LINEARlight FLEX, -SC08-G2-CT2PF-0500	▶ 4052899464759
LF1200 -G3-840-09	LINEARlight FLEX, -SC08-G2-CT2PF-1000	▶ 4052899464780
LF1200 -G3-840-09	LINEARlight FLEX, -SC08-G2-CT4PJ	▶ 4052899464872
LF1200 -G3-850-09	LINEARlight FLEX, -SC08-G2-CT2PF-0500	▶ 4052899464759
LF1200 -G3-850-09	LINEARlight FLEX, -SC08-G2-CT2PF-1000	▶ 4052899464780
LF1200 -G3-850-09	LINEARlight FLEX, -SC08-G2-CT4PJ	▶ 4052899464872
LF1200 -G3-865-09	LINEARlight FLEX, -SC08-G2-CT2PF-0500	▶ 4052899464759
LF1200 -G3-865-09	LINEARlight FLEX, -SC08-G2-CT2PF-1000	▶ 4052899464780
LF1200 -G3-865-09	LINEARlight FLEX, -SC08-G2-CT4PJ	▶ 4052899464872
LF1200 -G3-927-09	LINEARlight FLEX, -SC08-G2-CT2PF-0500	▶ 4052899464759
LF1200 -G3-927-09	LINEARlight FLEX, -SC08-G2-CT2PF-1000	▶ 4052899464780
LF1200 -G3-927-09	LINEARlight FLEX, -SC08-G2-CT4PJ	▶ 4052899464872
LF1200 -G3-930-09	LINEARlight FLEX, -SC08-G2-CT2PF-0500	▶ 4052899464759
LF1200 -G3-930-09	LINEARlight FLEX, -SC08-G2-CT2PF-1000	▶ 4052899464780
LF1200 -G3-930-09	LINEARlight FLEX, -SC08-G2-CT4PJ	▶ 4052899464872
LF1200 -G3-940-09	LINEARlight FLEX, -SC08-G2-CT2PF-0500	▶ 4052899464759
LF1200 -G3-940-09	LINEARlight FLEX, -SC08-G2-CT2PF-1000	▶ 4052899464780
LF1200 -G3-940-09	LINEARlight FLEX, -SC08-G2-CT4PJ	▶ 4052899464872

References / Links

System configurator tool is available online at <https://flex.osram.info/en/flex-configurator>

Disclaimer

Product family datasheet

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