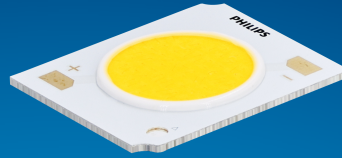


**PHILIPS**

**Fortimo**

**LED**

Fortimo SLM Food 1205  
G8 HE



Datasheet

# Fine-tuning spectrum to better cater to various food applications

## Fortimo LED SLM G8 Food

Continuously striving to achieve the optimal balance between light quality and performance, Fortimo SLM G8 Food guarantees the latest efficacy while fine-tuning the spectrum to better cater to various food applications such as meat, seafood, vegetables, and bakery products. Furthermore, this product line maintains a consistent footprint, allowing customers to seamlessly upgrade without requiring significant modifications to mechanical or optical components.

### Key features and benefits

- Up to 40% efficacy improvement Vs previous generation
- Extensive flux ranges from 2100 to 6600 lm (@nom)
- Fine-tuned spectrum covering meat, seafood, vegetables, and bakery products applications
- System approach

June 2025



## Ordering data

Commercial product name	EOC	12NC	EPREL registration #	Box quantity
Fortimo SLM C 925 FWW 1205 L13 2024 G8 HE	8721103 117656 00	9290 048 38201	N/A	20
Fortimo SLM C 930 FPR 1205 L13 2024 G8 HE	8721103 117717 00	9290 048 37601	N/A	20
Fortimo SLM C 950 FFS 1205 L13 2024 G8 HE	8721103 117748 00	9290 048 37901	2374911	20
Fortimo SLM C 930 PC 1205 L13 2024 G8 HE	8720169 378018 00	9290 038 89480	2093749	20

Not all products are globally available by default.

Please contact your local sales representative for local availability and activation conditions.

## Drive currents

Parameter	Nominal*	Life**	Max***	Unit
Fortimo SLM Food 1205 G8 HE	500	900	900	mA

## Module temperatures

Parameter	Nominal*	Life**	Max***	Unit
T <sub>c</sub> (case temperature at T <sub>c</sub> point)	65	95	95	°C

\* Nominal value at which typical performance is specified

\*\* Value at which life time is specified

\*\*\* Maximum value for safe operation, do not operate above this value

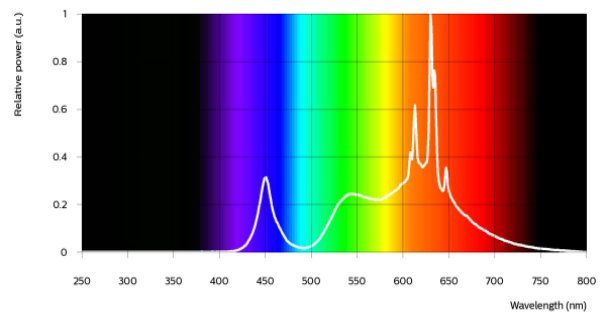
## Optical characteristics - table per color (CCT)

### Fortimo SLM C 925 FWW 1205 L13 2024 G8 HE

Parameter	Min	Typ	Max	Unit
Luminous flux	2076	2185	2404	lm
Efficacy		126		lm/W
Correlated color temperature (CCT)		2500		K
Color coordinates (CIEx, CIEy)		(0.446, 0.366)		-
Color consistency			2	SDCM
CRI	90			
R9	78			
Photometric code		925/259		
Photobiological safety		RG1 unlimited		

Measurement precision  $\pm 5\%$  for the flux data and  $\pm 6\%$  for the efficacy data. Measurement precision for color coordinates  $\pm 0.005$ . Measurement precision for CRI  $\pm 1.5$ .

Operation point	925	lm	lm/W
80% I-nom 400mA	Tc 25 °C	1861	136
	Tc-nom 65 °C	1784	131
	Tc-max 95 °C	1706	126
I-nom 500mA	Tc 25 °C	2281	131
	Tc-nom 65 °C	2185	126
	Tc-max 95 °C	2088	121
I-max 900mA	Tc 25 °C	3831	113
	Tc-nom 65 °C	3657	109
	Tc-max 95 °C	3482	104

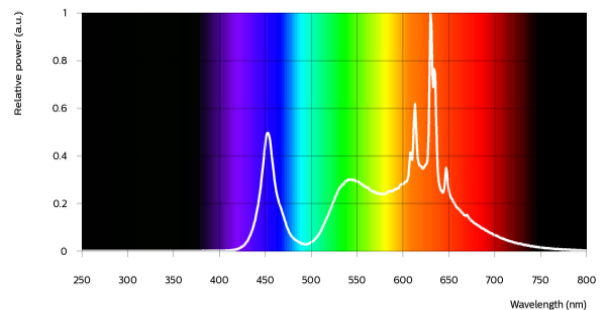


### Fortimo SLM C 930 FPR 1205 L13 2024 G8 HE


Parameter	Min	Typ	Max	Unit
Luminous flux	2123	2235	2458	lm
Efficacy		129		lm/W
Correlated color temperature (CCT)		3000		K
Color coordinates (CIEx, CIEy)		(0.406, 0.350)		-
Color consistency			2	SDCM
CRI	90			
R9	75			
Photometric code		930/259		
Photobiological safety		RG1 unlimited		

Measurement precision  $\pm 5\%$  for the flux data and  $\pm 6\%$  for the efficacy data. Measurement precision for color coordinates  $\pm 0.005$ . Measurement precision for CRI  $\pm 1.5$ .

Operation point	930	lm	lm/W
80% I-nom 400mA	Tc 25 °C	1904	139
	Tc-nom 65 °C	1825	134
	Tc-max 95 °C	1745	129
I-nom 500mA	Tc 25 °C	2333	134
	Tc-nom 65 °C	2235	128
	Tc-max 95 °C	2136	124
I-max 900mA	Tc 25 °C	3919	116
	Tc-nom 65 °C	3742	111
	Tc-max 95 °C	3564	106

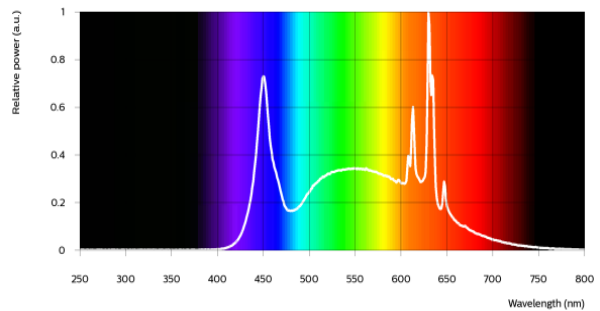


Fortimo SLM C 950 FFS 1205 L13 2024 G8 HE


Parameter	Min	Typ	Max	Unit
Luminous flux	2603	2740	3014	lm
Efficacy		158		lm/W
Correlated color temperature (CCT)		5000		K
Color coordinates (CIEx, CIEy)		(0.343, 0.331)		-
Color consistency			2	SDCM
CRI	91			
R9	70			
Photometric code		950/259		
Photobiological safety		RG1 unlimited		

Measurement precision ± 5% for the flux data and ± 6% for the efficacy data. Measurement precision for color coordinates ± 0.005. Measurement precision for CRI ± 1.5.

Operation point	950	lm	lm/W
80% I-nom 400mA	Tc 25 °C	2333	170
	Tc-nom 65 °C	2236	164
	Tc-max 95 °C	2139	158
I-nom 500mA	Tc 25 °C	2859	163
	Tc-nom 65 °C	2740	157
	Tc-max 95 °C	2619	152
I-max 900mA	Tc 25 °C	4806	142
	Tc-nom 65 °C	4593	136
	Tc-max 95 °C	4376	131

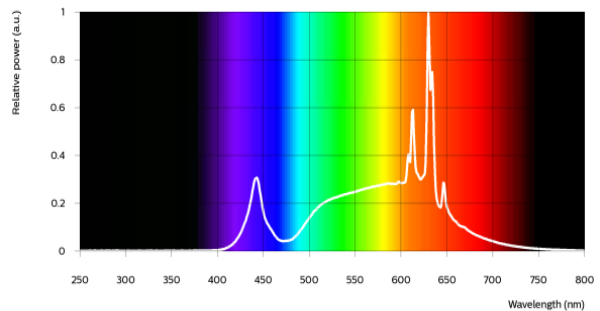


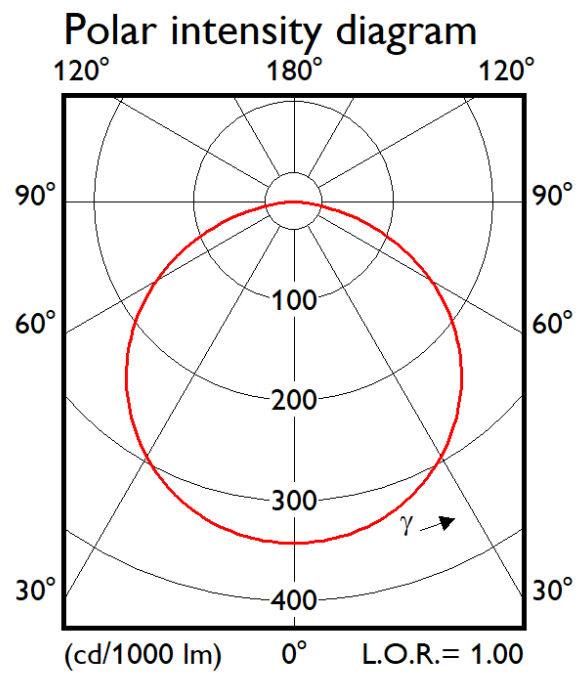
Fortimo SLM C 930 PC 1205 L13 2024 G8 HE

Parameter	Min	Typ	Max	Unit
Luminous flux	2527	2660	2926	lm
Efficacy		153		lm/W
Correlated color temperature (CCT)		3000		K
Color coordinates (CIEx, CIEy)		(0.422, 0.386)		-
Color consistency			2	SDCM
CRI	90			
R9	>70			
Photometric code		930/259		
Photobiological safety		RG1 unlimited		

Measurement precision ± 5% for the flux data and ± 6% for the efficacy data. Measurement precision for color coordinates ± 0.005. Measurement precision for CRI ± 1.5.

Operation point	930	lm	lm/W
80% I-nom 400mA	Tc 25 °C	2280	166
	Tc-nom 65 °C	2165	159
	Tc-max 95 °C	2048	153
I-nom 500mA	Tc 25 °C	2802	160
	Tc-nom 65 °C	2660	153
	Tc-max 95 °C	2514	146
I-max 900mA	Tc 25 °C	4751	139
	Tc-nom 65 °C	4496	133
	Tc-max 95 °C	4235	127





## Electrical characteristics

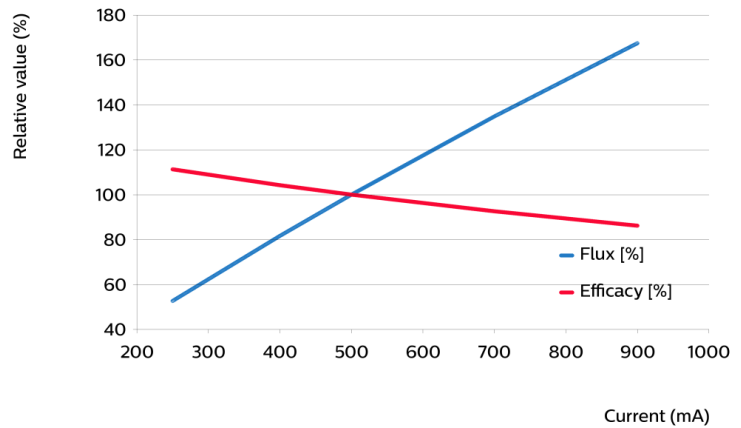
Parameter	Min	Typ	Max	Unit
Forward voltage	32.5	34.7	37.0	V
Power consumption		17.4		W = kWh/1000h
Number of modules in series per chain			1	
Number of modules per chain			1	
Number of modules in parallel			1	

Measurement precision for Vf +/- 3%. Measurement precision for power +/- 3.3%

## Tuning information

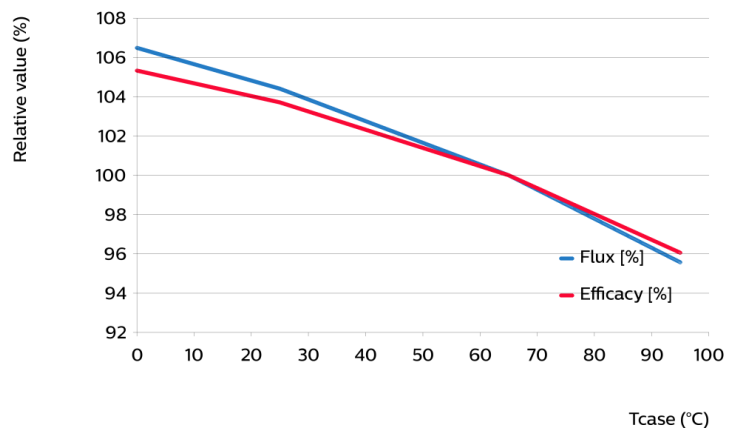
Flux and efficacy versus current (at Tc nominal)

I [mA]	Flux [%]	Efficacy [%]
900	167	86
700	135	93
500	100	100
400	82	104
250	53	111



Flux and efficacy versus temperature at Tc (at I nominal)

Tc [°C]	Flux [%]	Efficacy [%]
95	96	96
65	100	100
25	104	104
0	106	105



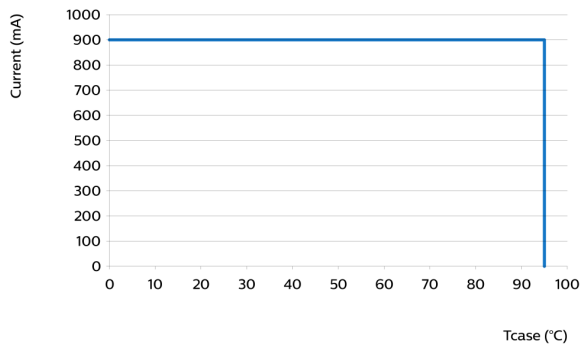
## Lumen maintenance

Operation point	Lumen maintenance x 1000 hours	L70			L80			L90		
		B50	B20	B10	B50	B20	B10	B50	B20	B10
80% I-nom 400mA	Tc 50°C	>66	>66	>66	>66	>66	>66	>66	>66	>66
	Tc 65°C	>66	>66	>66	>66	>66	>66	>66	>66	>66
	Tc 95°C	>66	>66	>66	>66	>66	>66	>66	>66	>66
I-nom 500mA	Tc 50°C	>66	>66	>66	>66	>66	>66	>66	>66	>66
	Tc 65°C	>66	>66	>66	>66	>66	>66	>66	>66	>66
	Tc 95°C	>66	>66	>66	>66	>66	>66	>66	56	51
I-max 900mA	Tc 50°C	>66	>66	>66	>66	>66	>66	50	42	39
	Tc 65°C	>66	>66	>66	>66	>66	62	38	32	29
	Tc 95°C	>66	>66	60	49	41	38	23	19	17

## Lifetime

Parameter	Value	Unit
M70F50 nominal	>66000	hours

## Performance Window



## Mechanical characteristics

Parameter	Min	Typ	Max	Unit
Length	23.8	24	24.2	mm
Width	19.8	20	20.2	mm
Height PCB	0.9	1	1.1	mm
Height including dam	1.3	1.6	1.9	mm
Product mass		1.3		gram





© 2025 Signify Holding, IBRS 10461, 5600VB, NL. All rights reserved. The information provided herein is subject to change, without notice. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify.

[www.philips.com/oem](http://www.philips.com/oem)

Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V. All other trademarks are owned by Signify Holding or their respective owners.  
UK importer address: Signify Commercial UK Limited, 3 Guildford Business Park, GU2 8XG

18/06/2025