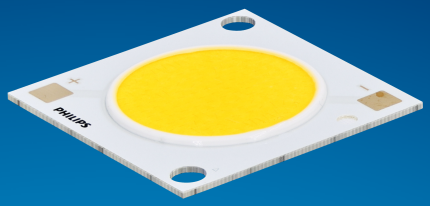
PHILIPS

Fortimo

LED

Fortimo SLM C PA 1211
L19 2828 G8 HE



Datasheet

Refined light recipe for effortless experiences and high-end applications

Fortimo LED SLM G8(N) PA

Introducing the new Premium Ambiance light recipe, which expands our Fortimo SLM G8(N) HE offering by bringing a refined lighting option tailored for premium spaces. Carefully engineered to create a warm, inviting atmosphere while maintaining high focus on the merchandise, it is ideal for applications such as retail, hospitality, residential, and cruise environments where ambiance and comfort are key.

With high-quality light output combined with warmer CCT options, Premium Ambiance supports relaxed, effortless experiences while subtly enhancing the emotional appeal of the space allowing an end user to truly enjoy the illuminated space and merchandise. This light recipe has been specifically designed for settings with luxurious interior elements - such as dark-toned ceilings, wooden shelving, and richly textured décor - bringing depth and sophistication to every detail.

Key features and benefits

- New light recipe in Fortimo SLM G8(N) HE portfolio optimized for luxury interior design (wood, dark ceilings, textured materials, leathers)
- Warm CCT options - 2700K and 3000K to enhance mechandise and emotional appeal
- CRI 80 and 90 versions available
- High efficiency and performance similar to Premium White G8(N) HE
- Excellent color consistency management (2 SDCM)
- System proposition (Module + Driver + Holder)
- Seamless integration into existing COB spotlight designs using industry standard LES sizes and footprints - G8 and G8N

June 2025

Ordering data

Commercial product name	EOC	12NC	EPREL registration #	Box quantity
Fortimo SLM C 827 PA 1211 L19 2828 G8 HE	8721103 116208 00	9290 048 36601	2374893	10
Fortimo SLM C 830 PA 1211 L19 2828 G8 HE	8721103 116239 00	9290 048 36401	2374929	10
Fortimo SLM C 927 PA 1211 L19 2828 G8 HE	8721103 116260 00	9290 048 36201	2374917	10
Fortimo SLM C 930 PA 1211 L19 2828 G8 HE	8721103 116291 00	9290 048 36001	2374909	10

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 C PA 1211 L19 2828 G8 HE	1200	1980	1980	mA

Module temperatures

Parameter	Nominal*	Life**	Max***	Unit
T_c (case temperature at T_c 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

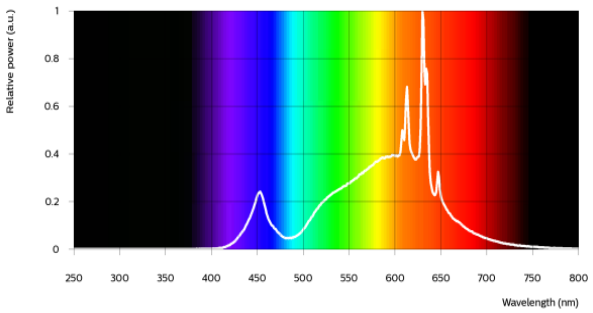
Optical characteristics - table per color (CCT)

Fortimo SLM C 827 PA 1211 L19 2828 G8 HE

Parameter	Min	Typ	Max	Unit
Luminous flux	6242	6570	7227	lm
Efficacy		155		lm/W
Correlated color temperature (CCT)		2700		K
Color coordinates (CIEx, CIEy)		(0.450, 0.395)		-
Color consistency			2	SDCM
CRI	83			
R9	25			
Photometric code		827/259		
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	827	lm	lm/W
80% I-nom 960mA	Tc 25 °C	5602	167
	Tc-nom 65 °C	5351	162
	Tc-max 95 °C	5080	154
I-nom 1200mA	Tc 25 °C	6884	160
	Tc-nom 65 °C	6570	155
	Tc-max 95 °C	6230	148
I-max 1980mA	Tc 25 °C	10798	143
	Tc-nom 65 °C	10268	137
	Tc-max 95 °C	9692	130

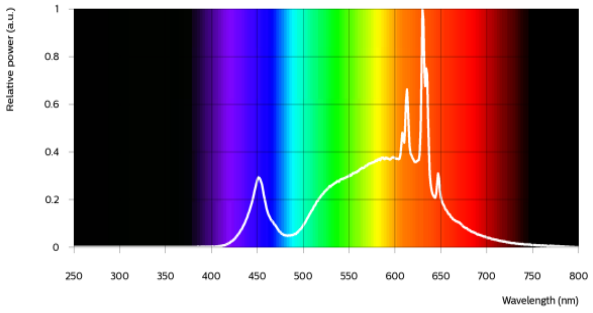


Fortimo SLM C 830 PA 1211 L19 2828 G8 HE

Parameter	Min	Typ	Max	Unit
Luminous flux	6436	6775	7452	lm
Efficacy		159		lm/W
Correlated color temperature (CCT)		3000		K
Color coordinates (CIEx, CIEy)		(0.433, 0.395)		-
Color consistency			2	SDCM
CRI	84			
R9	32			
Photometric code		830/259		
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	830	lm	lm/W
80% I-nom 960mA	Tc 25 °C	5777	172
	Tc-nom 65 °C	5518	166
	Tc-max 95 °C	5238	159
I-nom 1200mA	Tc 25 °C	7099	165
	Tc-nom 65 °C	6775	159
	Tc-max 95 °C	6425	153
I-max 1980mA	Tc 25 °C	11136	147
	Tc-nom 65 °C	10590	141
	Tc-max 95 °C	9997	135

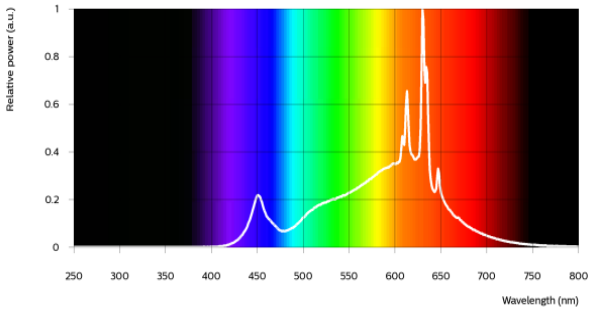


Fortimo SLM C 927 PA 1211 L19 2828 G8 HE

Parameter	Min	Typ	Max	Unit
Luminous flux	5909	6220	6842	lm
Efficacy		146		lm/W
Correlated color temperature (CCT)		2700		K
Color coordinates (CIEx, CIEy)		(0.452, 0.392)		-
Color consistency			2	SDCM
CRI	91			
R9	50			
Photometric code		927/259		
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	927	lm	lm/W
80% I-nom 960mA	Tc 25 °C	5304	158
	Tc-nom 65 °C	5066	153
	Tc-max 95 °C	4809	146
I-nom 1200mA	Tc 25 °C	6518	152
	Tc-nom 65 °C	6220	146
	Tc-max 95 °C	5898	140
I-max 1980mA	Tc 25 °C	10223	135
	Tc-nom 65 °C	9721	130
	Tc-max 95 °C	9176	123

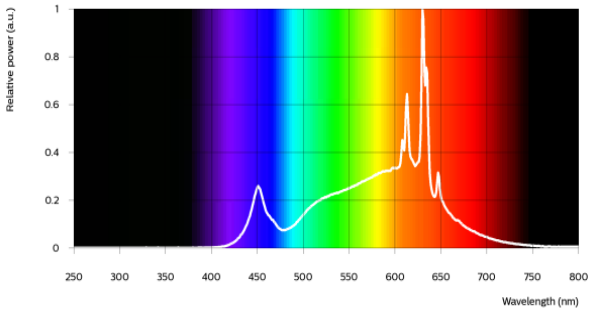


Fortimo SLM C 930 PA 1211 L19 2828 G8 HE

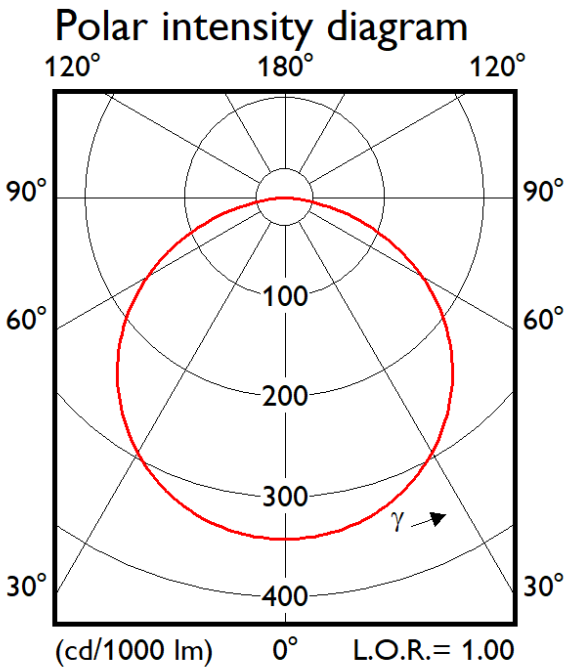
Parameter	Min	Typ	Max	Unit
Luminous flux	6052	6370	7007	lm
Efficacy		150		lm/W
Correlated color temperature (CCT)		3000		K
Color coordinates (CIEx, CIEy)		(0.435, 0.391)		-
Color consistency			2	SDCM
CRI	92			
R9	58			
Photometric code		930/259		
Photobiological safety		RG1 unlimited		

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 960mA	Tc 25 °C	5431	162
	Tc-nom 65 °C	5188	156
	Tc-max 95 °C	4925	150
I-nom 1200mA	Tc 25 °C	6675	156
	Tc-nom 65 °C	6370	150
	Tc-max 95 °C	6040	144
I-max 1980mA	Tc 25 °C	10470	138
	Tc-nom 65 °C	9956	133
	Tc-max 95 °C	9399	126



Beam shape


Polar intensity diagram
120°
180°
120°
90°
90°
60°
60°
100
200
300
γ
30°
30°
400
(cd/1000 lm)
0°
L.O.R.= 1.00

Electrical characteristics

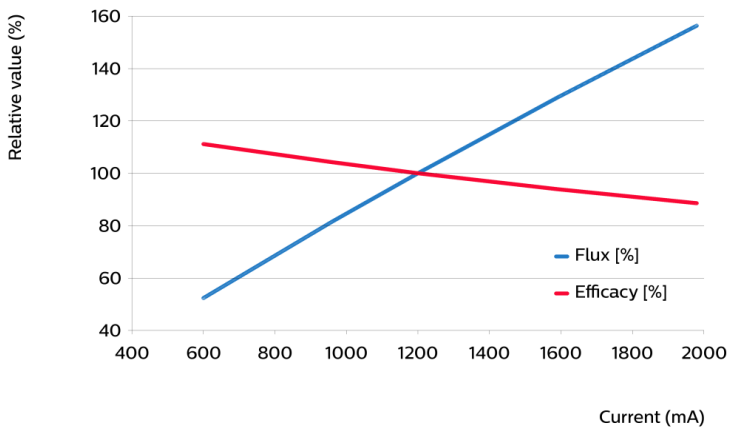
Parameter	Min	Typ	Max	Unit
Forward voltage	32.5	35.4	37.0	V
Power consumption		42.5		W = kWh/1000h
Number of modules in series per chain			1	
Number of modules per chain			1	
Number of modules in parallel			1	

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

Tuning information

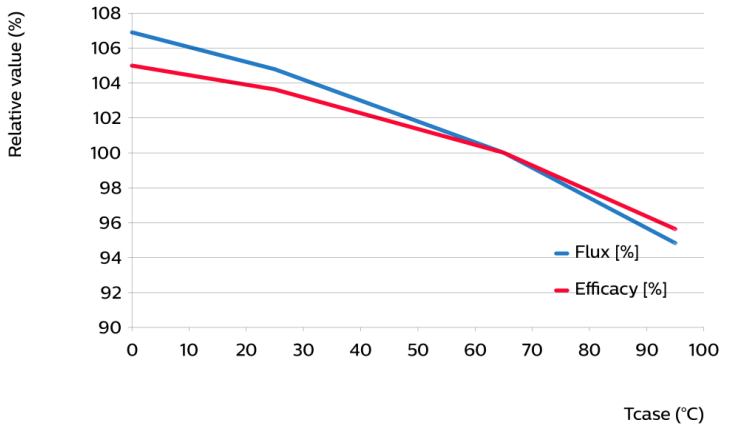
Flux and efficacy versus current (at Tc nominal)

I [mA]	Flux [%]	Efficacy [%]
1980	156	88
1590	129	94
1200	100	100
960	81	104
600	52	111



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

Tc [°C]	Flux [%]	Efficacy [%]
95	95	96
65	100	100
25	105	104
0	107	105



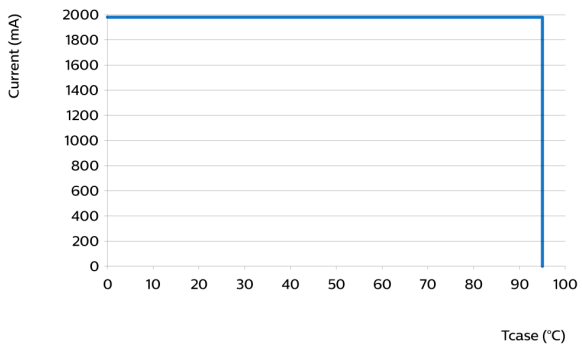
Lumen maintenance

Operation point	Lumen maintenance	L70			L80			L90		
	x 1000 hours	B50	B20	B10	B50	B20	B10	B50	B20	B10
80% I-nom 960mA	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 1200mA	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	57	48	44
I-max 1980mA	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

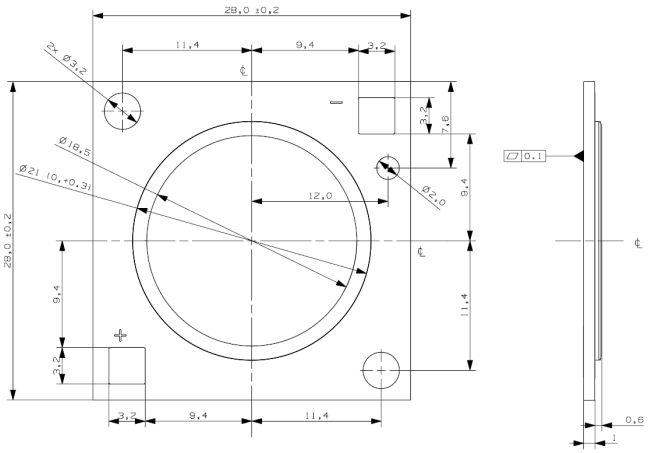
Parameter	Value	Unit
M70F50 nominal	>66000	hours

Performance Window



Mechanical characteristics

Parameter	Min	Typ	Max	Unit
Length	27.8	28	28.2	mm
Width	27.8	28	28.2	mm
Height Height PCB	0.9	1	1.1	mm
Height Height including dam	1.3	1.6	1.9	mm
Product mass		2.17		gram



Absolute ratings

Parameter	Min	Max	Unit
Current through the LED module (I-max)		1980	mA
Case temperature (Tc-max)		95	°C
ESD (direct contact)	8		kV
Working voltage		60	V_{dc}
Ambient temperature	-20	40	°C
Storage temperature	-40	80	°C

At illumination levels exceeding 1342 lux risk group classification may be RG2.

Application information

Certificates and Standards
CB
CE
ENEC
ENEC+
EPRS 001
IEC 62031
UKCA
UL
UL 8750

Environmental
RoHS/REACH

Application	
Dimming	Yes

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