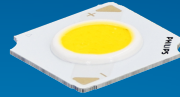


PHILIPS

Fortimo

LED

Fortimo SLM C PA 1202
L06 1313 G8N 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 merchandise 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 1202 L06 1313 G8N HE	8721103 115362 00	9290 048 37201	2374895	20
Fortimo SLM C 830 PA 1202 L06 1313 G8N HE	8721103 115393 00	9290 048 37301	2374910	20
Fortimo SLM C 927 PA 1202 L06 1313 G8N HE	8721103 115423 00	9290 048 36801	2374907	20
Fortimo SLM C 930 PA 1202 L06 1313 G8N HE	8721103 115454 00	9290 048 36901	2374927	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 C PA 1202 L06 1313 G8N HE	180	360	360	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

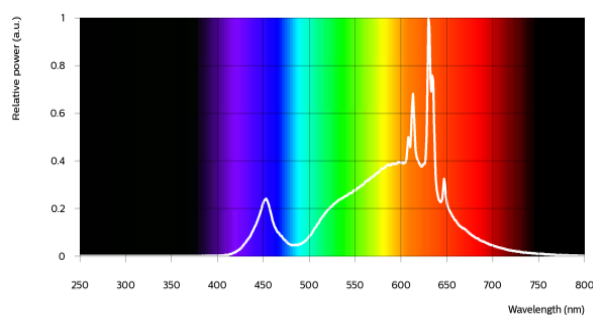
Optical characteristics - table per color (CCT)

Fortimo SLM C 827 PA 1202 L06 1313 G8N HE

Parameter	Min	Typ	Max	Unit
Luminous flux	912	960	1056	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 $\pm 5\%$ for the flux data and $\pm 6\%$ 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 144mA	Tc 25 °C	816	163
	Tc-nom 65 °C	776	158
	Tc-max 95 °C	735	150
I-nom 180mA	Tc 25 °C	1011	160
	Tc-nom 65 °C	960	155
	Tc-max 95 °C	908	149
I-max 360mA	Tc 25 °C	1928	146
	Tc-nom 65 °C	1824	139
	Tc-max 95 °C	1718	132

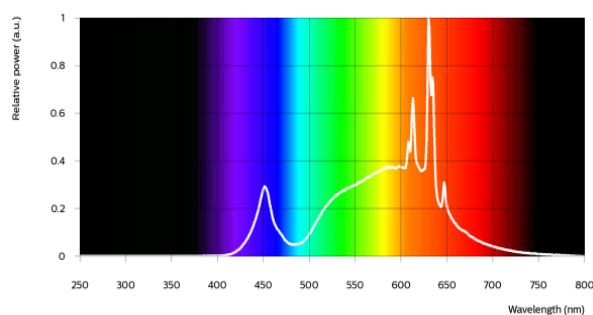


Fortimo SLM C 830 PA 1202 L06 1313 G8N HE

Parameter	Min	Typ	Max	Unit
Luminous flux	940	990	1089	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 $\pm 5\%$ for the flux data and $\pm 6\%$ 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 144mA	Tc 25 °C	842	168
	Tc-nom 65 °C	800	163
	Tc-max 95 °C	758	155
I-nom 180mA	Tc 25 °C	1043	165
	Tc-nom 65 °C	990	160
	Tc-max 95 °C	937	154
I-max 360mA	Tc 25 °C	1989	151
	Tc-nom 65 °C	1881	144
	Tc-max 95 °C	1773	136

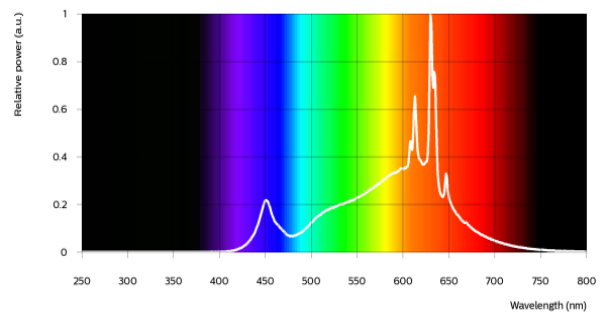


Fortimo SLM C 927 PA 1202 L06 1313 G8N HE

Parameter	Min	Typ	Max	Unit
Luminous flux	864	910	1001	lm
Efficacy		147		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 $\pm 5\%$ for the flux data and $\pm 6\%$ 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 144mA	Tc 25 °C	774	155
	Tc-nom 65 °C	735	150
	Tc-max 95 °C	696	142
I-nom 180mA	Tc 25 °C	958	152
	Tc-nom 65 °C	910	147
	Tc-max 95 °C	861	141
I-max 360mA	Tc 25 °C	1828	138
	Tc-nom 65 °C	1729	132
	Tc-max 95 °C	1629	125

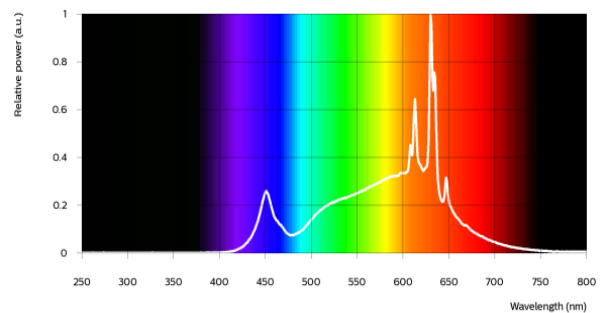


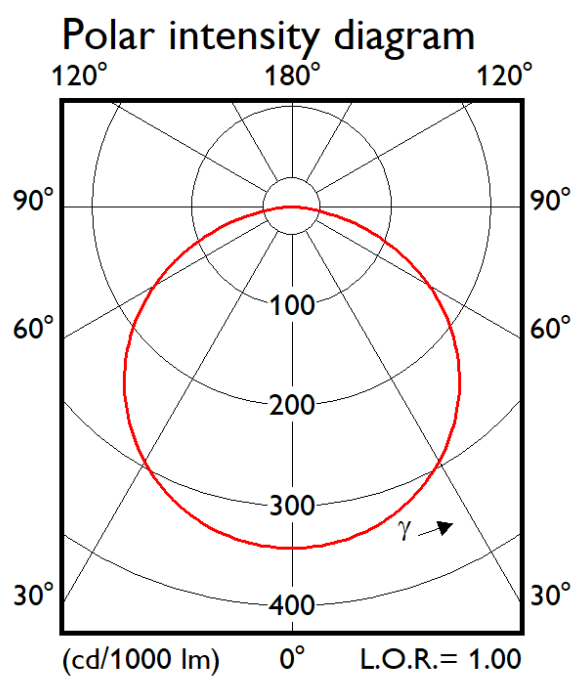
Fortimo SLM C 930 PA 1202 L06 1313 G8N HE

Parameter	Min	Typ	Max	Unit
Luminous flux	884	930	1023	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 $\pm 5\%$ for the flux data and $\pm 6\%$ 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 144mA	Tc 25 °C	791	158
	Tc-nom 65 °C	751	153
	Tc-max 95 °C	712	145
I-nom 180mA	Tc 25 °C	979	155
	Tc-nom 65 °C	930	150
	Tc-max 95 °C	880	144
I-max 360mA	Tc 25 °C	1868	142
	Tc-nom 65 °C	1767	135
	Tc-max 95 °C	1665	128





Electrical characteristics

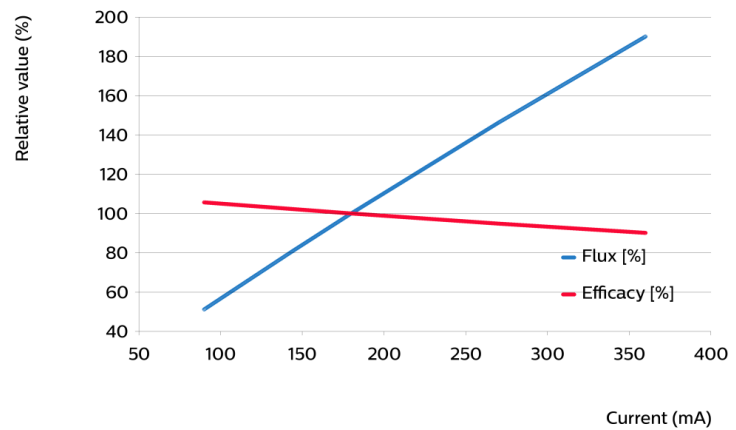
Parameter	Min	Typ	Max	Unit
Forward voltage	32.5	34.5	37.0	V
Power consumption		6.2		W = kWh/1000h
Number of modules in series per chain			1	
Number of modules per chain			1	
Number of modules in parallel			1	

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

Tuning information

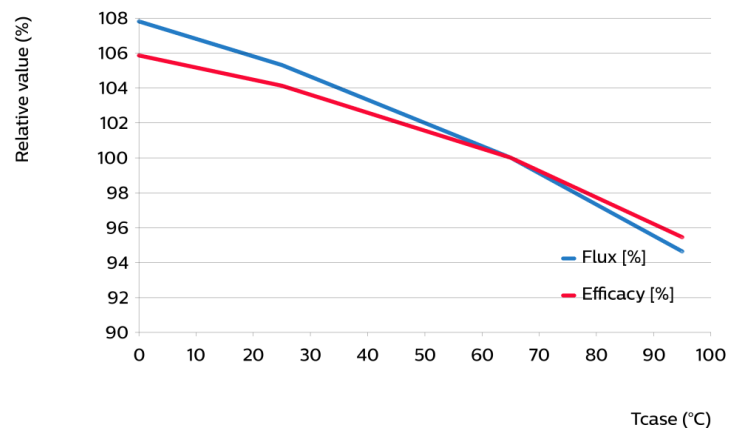
Flux and efficacy versus current (at Tc nominal)

I [mA]	Flux [%]	Efficacy [%]
360	190	90
270	146	95
180	100	100
144	81	102
90	51	106



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

Tc [°C]	Flux [%]	Efficacy [%]
95	95	95
65	100	100
25	105	104
0	108	106



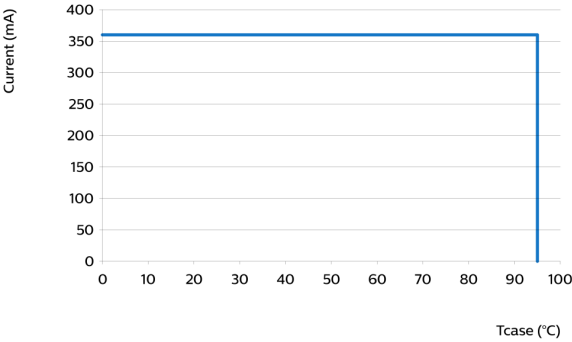
Lumen maintenance

Operation point	Lumen maintenance x 1000 hours	L70			L80			L90		
		B50	B20	B10	B50	B20	B10	B50	B20	B10
80% I-nom 144mA	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 180mA	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	62
I-max 360mA	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

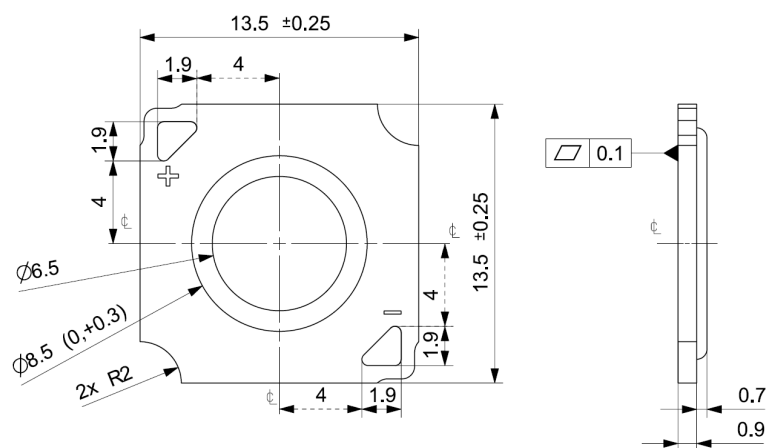
Parameter	Value	Unit
M70F50 nominal	>66000	hours

Performance Window



Mechanical characteristics

Parameter	Min	Typ	Max	Unit
Length	13.25	13.5	13.75	mm
Width	13.25	13.5	13.75	mm
Height Height PCB	0.8	0.9	1	mm
Height Height including dam	1.3	1.6	1.9	mm
Product mass		0.49		gram



Absolute ratings

Parameter	Min	Max	Unit
Current through the LED module (I-max)		360	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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