



LUXEON SunPlus CoB Line

CoBs engineered to deliver the precise wavelengths of light needed to improve crop yield



LUXEON SunPlus CoB Line LEDs are purpose-built to enable ease of system design for Horticulture applications. LUXEON SunPlus CoB Line offers the only CoBs available today that are binned and tested based on Photosynthetic Photon Flux (PPF). LUXEON SunPlus CoB Line includes three different sizes: 1208 with an LES of 15mm, 1211 with an LES of 19mm, and 1825 with an LES of 32mm.

FEATURES AND BENEFITS

115° angle for directional light distribution for greenhouse applications

Ideal solution for more directional horticulture applications that require a high light output and wattage

PRIMARY APPLICATIONS

Horticulture

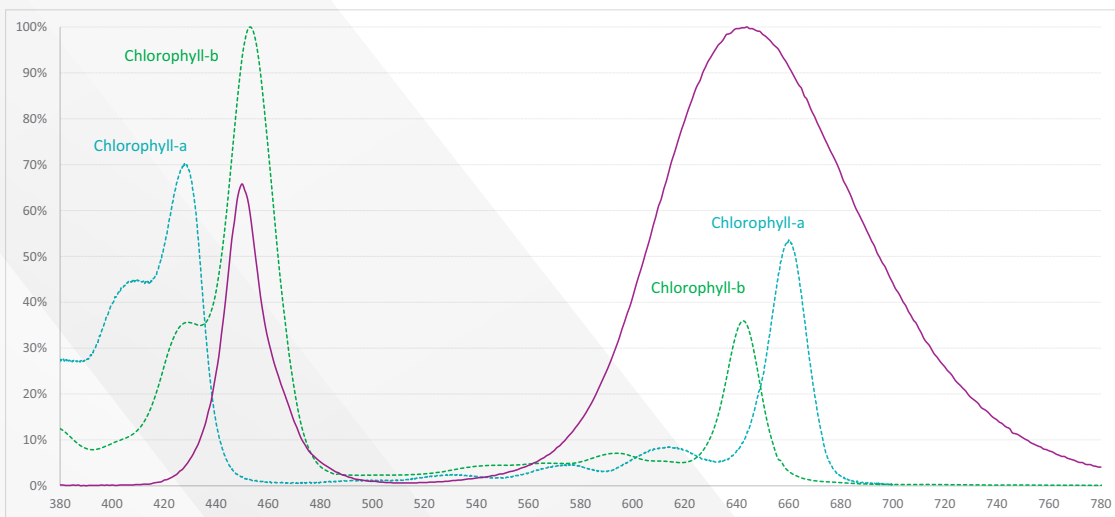
LUXEON SunPlus CoB Line product performance at specified test current, T_j=85°C.

PRODUCT	COLOR	PPF (μmol/s) ^[1] in PAR (400 TO 700nm) ^[2]		TEST CURRENT (mA)	LES ^[3] (mm)	PART NUMBER
		MINIMUM	TYPICAL			
LUXEON SunPlus CoB 1208	Purple (12.5% Blue) ^[4]	47.70	53.00	900	15	L2C5-SPP11208E1500
LUXEON SunPlus CoB 1211		63.90	71.00	1200	19	L2C5-SPP11211E1900
LUXEON SunPlus CoB 1825		179.10	199.00	2250	32	L2C5-SPP11825G3200
LUXEON SunPlus CoB 1825	Rose	180.00	200.00	2250	32	L2C5-SPR11825G3200

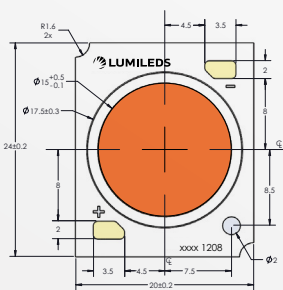
Notes:

1. Lumileds maintains a tolerance of ±6.5% on μmol/s measurements for LUXEON SunPlus CoB Line.
2. PAR is the photosynthetic active radiation from 400 to 700nm.
3. Light emitting surface (LES) is the inner diameter (phosphor area) inside the dam.
4. PPF in blue spectrum (420–480nm) ranges from 10–15% of total PPF in PAR (400–700nm). Typical PPF in the blue spectrum is 12.5%.

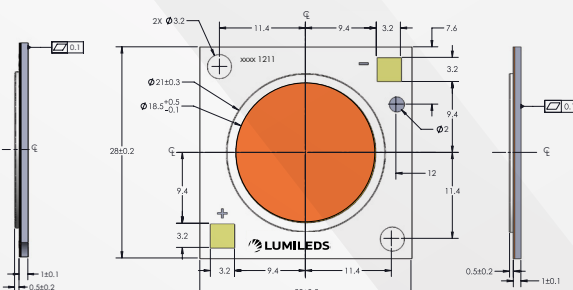
Wavelength.



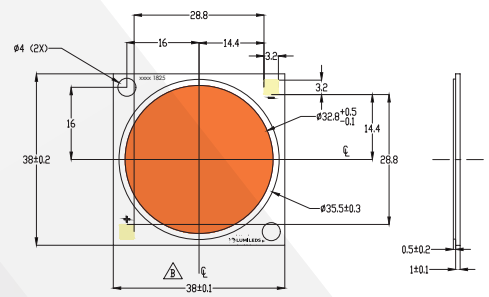
Mechanical Dimensions.



L2C5-SPx11208E1500



L2C5-SPx11211E1900



L2C5-SPx11825G3200

Notes:

1. Drawings are not to scale.
2. All dimensions are in millimeters.