

Horticulture LEDs








SEOUL SEMICONDUCTOR

The Only LED manufacturer to offer a Full Portfolio
from UV to Far-red





Key Features:

- High and Mid Power LED families include 660 nm (hyper red), 450 nm (deep blue) and 730 nm (far red) LEDs.
- Industry standard 3030 and 3535 packages combined with flagship SSC chip technology.
- The only LED manufacturer to offer SunLike Series natural spectrum LEDs that match the spectrum of sunlight.
- Excellent high temperature and high humidity performance and corrosion stability for harsh environments.
- Broad UV (A, B, and C) LED portfolio that improves the lifecycle of growing plants and extends produce shelf life.
- Industry leading efficacy ($\mu\text{mol/J}$) and reliability with superior lifetime.

HIGH-POWER (1W) @350mA 25°C

Color	Part Number	Peak Wavelength (nm)	PPF ($\mu\text{mol/s}$)	PPF/W ($\mu\text{mol/J}$)	Footprint (mm ²)	LED
Deep Red	SZDR5A0C	660nm	2.47	3.45	3.5 x 3.5	
Far Red	SZFR5A0B	730nm	2.34	3.51		
Deep Blue	SZB05A0B	450nm	2.44	2.36		
UV	SZN05A0B	405nm	1.70	1.41		
White	SZ5-M4-Wx-Cx	5000K/70CRI	2.56	2.60		

MID-POWER 25°C

Color	Part Number	Peak Wavelength (nm)	PPF ($\mu\text{mol/s}$)	PPF/W ($\mu\text{mol/J}$)	Power (W)	Footprint (mm ²)	LED
Deep Red	STDRC12B	660nm	0.39	1.96	0.20	3.0 x 3.0	
Far Red	STFRC12B	730nm	0.37	1.85			
Deep Blue	STB0C2PB	450nm	0.63	2.22	0.28		
White	STWxC12C-E0	5000K	0.54	3.10	0.18		
Sunlike	STW9C2SB-S		1.81	1.89	0.95		