



P.L. LIGHT SYSTEMS

THE LIGHTING KNOWLEDGE COMPANY

T: 905.563.4133

www.pllight.com



PRODUCT	BudBoost (Under-Canopy)
Project	
Notes	



TECHNICAL SPECIFICATIONS†

Rated Main Voltage	120-347V				
Amperage (max)	120V	208V	240V	277V	347V
	1.0	0.58	0.50	0.43	0.35
Power	120W				
Light Source	LED				
Photon Flux (350-800nm)	R33:W56:B11			R61:W26:B13	
	354 µmol/s			373 µmol/s	
Photon Efficacy (350-800nm)	R33:W56:B11			R61:W26:B13	
	2.9 µmol/J			3.0 µmol/J	
Power Factor	>0.95				
Input Frequency	50/60Hz				
Application Environment	Intended for use as sole-source or supplemental intra-canopy lighting in Indoor or Greenhouse controlled environments. 40°C Max. Ambient Operating Temperature; Suitable for Wet Locations				
Lifetime (L90)	L90B5 at 36,000 hours‡				

†Accurate to ± 10%

‡Scientifically extrapolated calculation for Par Maintenance of light is L90B5 at 36,000hrs (this means that expected lifespan of LEDs is defined as ≤5% of luminaires can depreciate below the expected 90% PAR maintenance within 36,000 hours). Limited warranty for a period of five (5) years, from date of invoice.

SPECIFICATION

1. LUMINAIRE	2. COLOUR SPECTRUM	3. WATTAGE	3. VOLTAGE	4. DIMMING
BudBoost	R33:W56:B11 R61:W26:B13	120W	120-347V	0-10V Dim to Off* (flying leads)

*Luminaire is designed as a 0-10V sourcing supply, and is compatible with most major environmental control systems that use 0-10V sinking protocols—including: Hoogendoorn, Priva, Argus Control Systems and Wadsworth Control Systems.



P.L. LIGHT SYSTEMS

THE LIGHTING KNOWLEDGE COMPANY

T: 905.563.4133

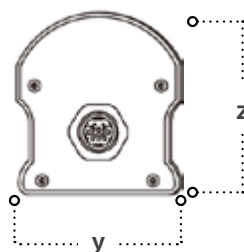
www.pllight.com

DAISY-CHAIN GUIDE	
POWER	MAX # MODULES
120V	7
208V	13
240V	15
277V	17
347V	20

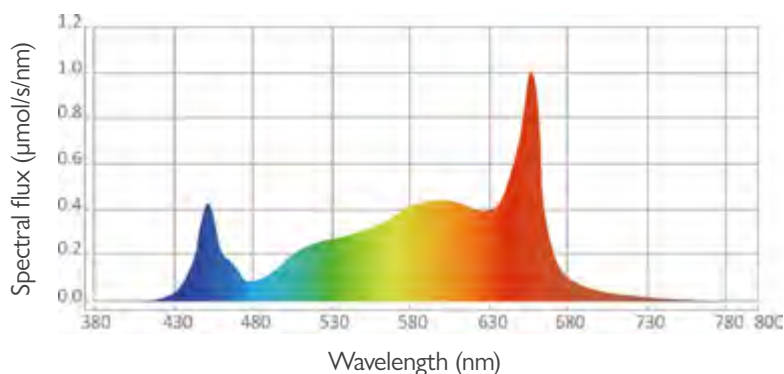
NOTE: The max # modules connected together applies, whether modules are connected continuously in a single row or when connecting modules via connector cable.

Adjustable floor mounting brackets allow for the BudBoost modules to be raised as the crop grows to ensure they are always an optimal distance from the lower canopy.

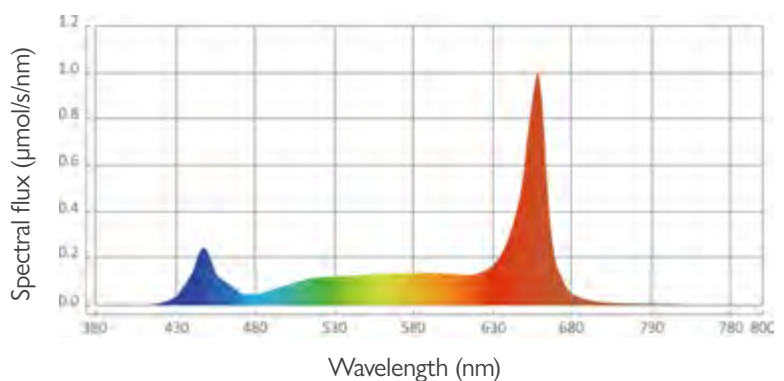
BRACKET DIMENSIONS	
Width (range)	12-14 in (304.8-355.6 mm)
Height (range)	12 in (min) - 17 in (max)



R33:W56:B11 Spectrum



R61:W26:B13 Spectrum



FIXTURE DIMENSIONS

Length (x)	44.59 in (1133 mm)
Width (y)	3.55 in (90 mm)
Height (z)	3.21 in (82 mm)
Weight	5.95 lb (2.7kg)

