

GrowGo Grid 301



Description

Vertical farming and Tissue Culture
Full-cycle spectrum optimized for rapid growth and complete plant development.

Suitable for a wide range of vertical farming lighting applications like vegetables, herbs in shelves or CC racks.

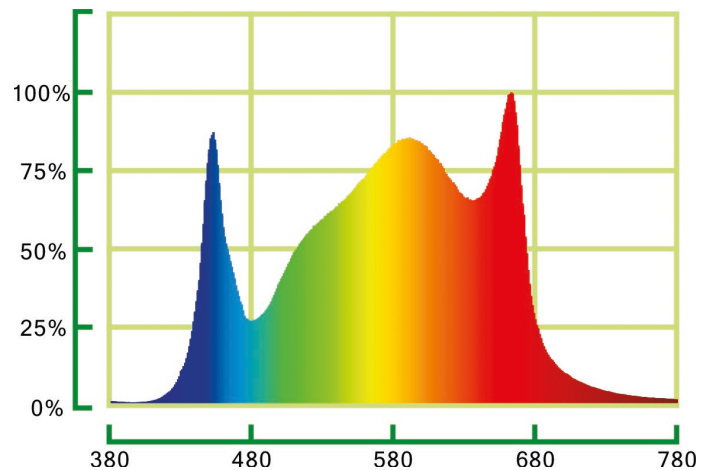
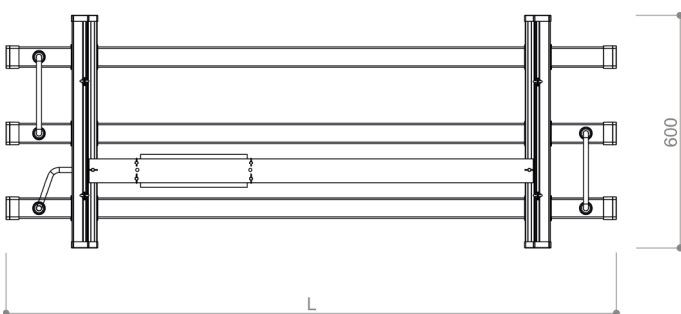
Product Code	301-0003
Input Power	150 W
Input Voltage	100-277 V
Efficiency	2,2 µmol/J
Beam Angle	40° 70° 90°
PPF	352 µmol/s
Spectrum	Natural1

Dimensions (single module)

1210mmx44mmx44mm

Installation

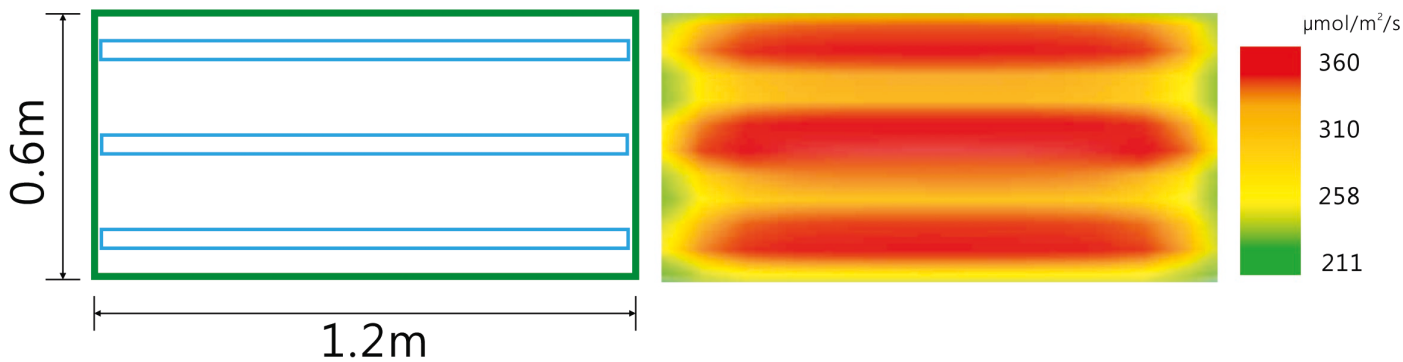
- suspending
- ceiling mounting



ITEM	SPECIFICATIONS	DETAILS
GENERAL	Project Code:	301
	Product Name:	GrowGo Grid
	Product Code:	301-0003
	Size (LxWxH) mm:	1210x44x44mm
	Module:	3
	Cover Type:	Clear
	Cover Material:	PMMA
	Body Color:	Silver
	Body Material:	Aluminum
	Surface Finish:	Oxidation
	Protection Class:	Class I
	IP Level:	65
	Housing Type:	Square
	Socket / Connetion Cable Type:	Power cable-round-3-pin-1m and dimming-round-2-pin-1m
	Efficiency($\mu\text{mol}/\text{J}$):	2,2
	PPF($\mu\text{mol}/\text{s}$):	352
	Beam Angle:	40° /70° /90°
Light Color K/nm:	3800K	
LED Type:	2835 0.5W	
LED Quantity:	741pcs	
ELECTRICAL	Driver (Brand and Specs):	INVENTRONICS EUK-160W
	Power Supply Internal/External:	External
	Size if External:	171x67.5x36.5mm
	Input Power:	150W
	Input Voltage:	100-277V
	Frequency:	50/60Hz
	THD:	<15%
	PF:	>0.9
	Interconnectable(Yes/No):	No
CONTROL	Dimmable (Yes/No):	Yes
	Dimming Type:	1-10V
PHYSICAL	Cooling Type Passive/Active:	Passive
	Environment Temperature:	-20 to 40 °C
	Tc Lamp Body Temperature:	75 °C
	Weight per.Piece:	3.96Kg
	Weight per unit:	3.96Kg
	Quantity Per Packing Unit:	6
	Box Size Per Packing Unit:	1250x330x350mm
	Box Weight Per Packing Unit:	24Kg
	Accessories Additional Available:	Clips for lamp, Frame
CERTIFICATION	Certificates:	CE
	Lxx/Bxx:	L80/B20 40.000h
	Lifetime Hrs (L70):	>50.000 Hrs
	Warranty LED/Housing/Driver:	5years

GrowGo Grid 301 PPF Performance

Calculation surfaces



Mounting Height: 0.15m(0.49') above crop canopy

Beam angle: 90°

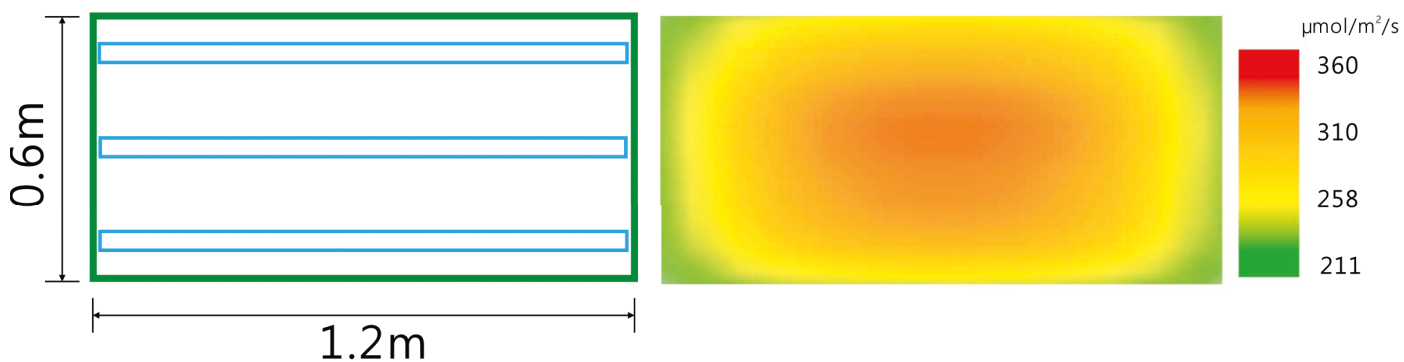
160W per 1.2x0.6m(3.9'x1.98') canopy

PPFD

Average 327 $\mu\text{mol}/\text{m}^2/\text{s}$

Minimum 200 $\mu\text{mol}/\text{m}^2/\text{s}$

Maximum 414 $\mu\text{mol}/\text{m}^2/\text{s}$



Mounting Height: 0.3m(0.98') above crop canopy

Beam angle: 70°

160W per 1.2x0.6m(3.9'x1.98') canopy

PPFD

Average 248 $\mu\text{mol}/\text{m}^2/\text{s}$

Minimum 140 $\mu\text{mol}/\text{m}^2/\text{s}$

Maximum 300 $\mu\text{mol}/\text{m}^2/\text{s}$