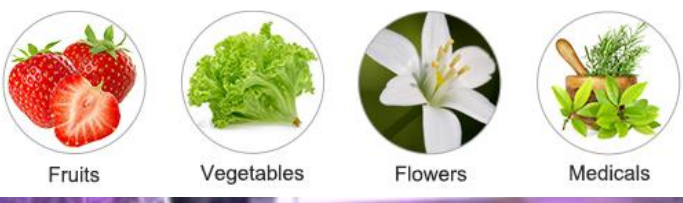


**For Indoor Vertical Farming**  
**Cultivate different crops**



◆ **Features:**

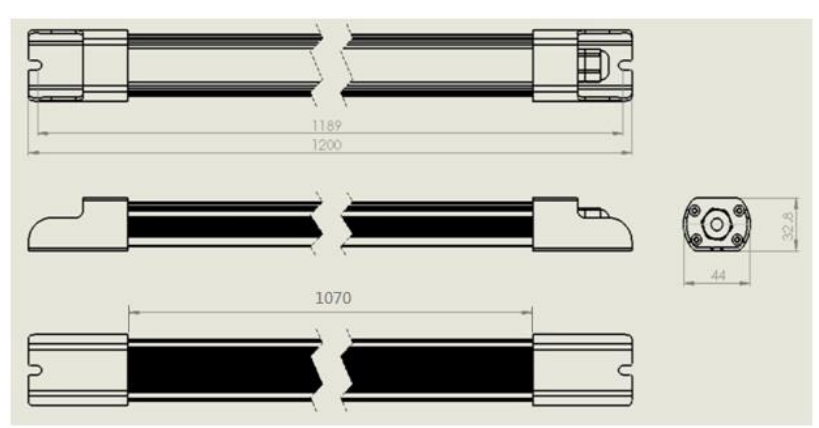
- Aluminum product fixture for passive air cooling.
- 0-10V Dimmable optional under request.
- Standard specifications for full-cycle growing stages to accommodate your plants.
- With standard Spectrum (WW / RBW / RB / PCRW ) for options.
- Select high efficiency LEDs to increase the harvest volume by saving up to 50% energy
- suggest install 4pcs( 25cm lamp space) , distance 25~30cm from plants in 100cm<sup>2</sup> growing bed

◆ **Specification:**

◆ **Mechanical Dimension:**



**COMBO**



**Quelighting Corp.**  
Cares the Earth we all live in together.  
For more information- Write us E-mail

www.quelighting.com  
sales@quelighting.com

886-3-4227388  
FAX 886-3-4227387

### Features:

- Aluminum fixture for better heat dissipation (passive air cooling)
- Equip with water resistant connector for High reliability
- Multiple spectrum average PPF150~200  $\mu\text{mol}/(\text{m}^2\text{s})$  for different crop cultivation and suit for all growing stages
- Built in driver or exclusive LED driver optional according to your vertical farm construction
- Select high efficiency LEDs chips for better light distribution

### Specifications:

Type	COMBO Series			
Part No.	COMBO-WW-40	COMBO-RBW-43	COMBO-PCRW-40	COMBO-RB-43
Photo				
AC Input Voltage	AC 100~240V	AC 100~240V	AC 100~240V	AC 100~240V
Rated Power	40W $\pm$ 7%	43W $\pm$ 7%	40W $\pm$ 7%	43W $\pm$ 7%
Spectrum	Neutral White	Red/Blue/White	PCRed/ White	Red/Blue
PPFD $\mu\text{mol}/(\text{m}^2\text{s})$	204.1 $\mu\text{mol}/(\text{m}^2\text{s})$	205.4 $\mu\text{mol}/(\text{m}^2\text{s})$	168.8 $\mu\text{mol}/(\text{m}^2\text{s})$	182.4 $\mu\text{mol}/(\text{m}^2\text{s})$
LED Q'ty	256pcs	224pcs	192pcs	256pcs
PPF $\mu\text{mol}/\text{s}$	87.13 $\mu\text{mol}/\text{s}$	90.9 $\mu\text{mol}/\text{s}$	69.87 $\mu\text{mol}/\text{s}$	81.32 $\mu\text{mol}/\text{s}$
Efficiency ( $\mu\text{mol}/\text{j}$ )	2.1 $\mu\text{mol}/\text{j}$	2.1 $\mu\text{mol}/\text{j}$	1.7 $\mu\text{mol}/\text{j}$	1.8 $\mu\text{mol}/\text{j}$
LED lifespan	>30,000 hrs	>30,000 hrs	>30,000 hrs	>30,000 hrs
Beam Width	120°	120°	120°	120°
Approval	CE Declaration , RoHS Compliant			
Waterproof Grade	IP 54			
Distance from Plants	20cm~30cm			
Dimension	W44 x H32.8 x L 120 cm			
Product finish	Flood end cap with quick connector			
All parameters tested under 25°C ambient temperature				

### Applications:



Indoor Farming

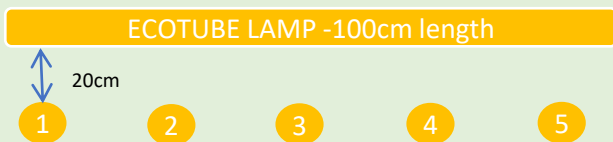
Multilayer Shelf

### Spectrum Available:

- WW = Neutral White
- RBW = Deep Red , Blue , White
- PCRW = PCRed, White
- RB = Deep Red, Blue

### PPFD result @ 20cm Height

Use spectrometer test 5 points of PPFD ( $\mu\text{mol}/\text{m}^2\text{s}$ )



		5 Points of PPFD test by Spectrometer PG200N				
Spectrum	Power	1	2	3	4	5
WW	40W	146	201.8	204.1	204.6	155.6
RBW	43W	153.7	202.4	205.4	204.4	155.8
PCRW	40W	113.6	155.4	168.8	154.5	115.1
RB	43W	138	185.1	182.4	180	144.8