

Description:

RX-GW78-900-2H Double-channel medicinal plant lamp, channel A is dedicated to vegetative growth of medicinal plants, channel B is specially increased far red spectrum, used for medicinal plant flowering and medical component formation, using extra deep red 660nm and far red 730nm Plant gardening LED, more energy efficient than ordinary plant lights, Single bar providing up to $700\mu\text{mol}/\text{m}^2/\text{s}$ @0.2m illumination, Preferred plant-Light recipes, Improve the yield and quality of medicinal plants.



1. Dual-channel LED grow module, channel A plant vegetative growth, channel A and channel B, for flower harvesting
2. Unique lens structure - high efficiency concentrating, uniform spectral radiation, directional illumination, higher light utilization, PPF increased by 10~30%
3. Waterproof design, waterproof rating IP65
4. CHA maximum power 48W 1.35A; CHB maximum power 32W 1.35A
5. The recommended irradiation distance is 0.2~0.5m, which is suitable for greenhouses, basements and indoor light-free environments.
6. Lifespan 50,000 hours
7. CE RoHS FCC

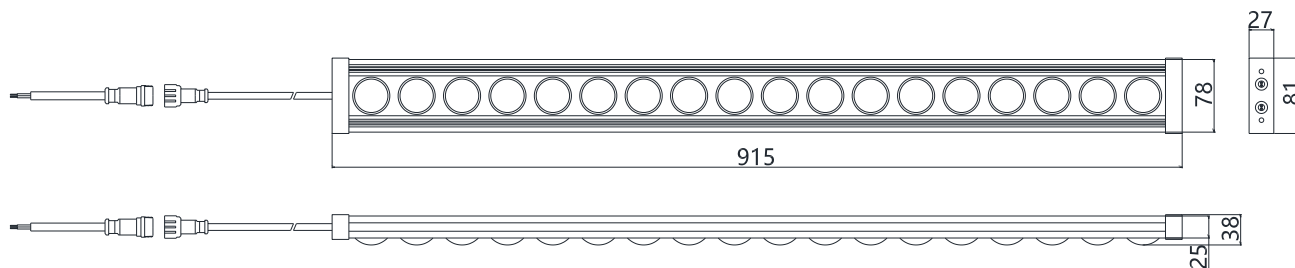
Model	Dimension LxWxH	Spectral Wavelength	Photon PPF $\mu\text{mol}/\text{m}^2/\text{s}$	Luminous flux Radiation Power	Power Test Input	Comment
RX-GW78-900-2H -CHA	915x78x38mm 36"x3"x 1.5"	CHA -V15	198 μmol @0.2m 13100 Lx	3670Lm 56 $\mu\text{mol}/\text{s}$	0.6A @34V	20W 2.7 $\mu\text{mol}/\text{J}$
			294 μmol @0.2m 19458 Lx	5414Lm 83 $\mu\text{mol}/\text{s}$	0.9A @35V	31W 2.6 $\mu\text{mol}/\text{J}$
			433 μmol @0.2m 28620 Lx	7963Lm 121 $\mu\text{mol}/\text{s}$	1.35A @36V	48W 2.5 $\mu\text{mol}/\text{J}$
RX-GW78-900-2H -CHB		CHB-V16	124 μmol @0.2m 7848 Lx	2125Lm 34 $\mu\text{mol}/\text{s}$	0.6A @23V	14W 2.5 $\mu\text{mol}/\text{J}$
			178 μmol @0.2m 11302 Lx	5751Lm 50 $\mu\text{mol}/\text{s}$	0.9A @23V	21W 2.4 $\mu\text{mol}/\text{J}$
			258 μmol @0.2m 16397 Lx	4564Lm 73 $\mu\text{mol}/\text{s}$	1.35A @24V	32W 2.3 $\mu\text{mol}/\text{J}$
RX-GW78-900-2H		CHA+CHB-V56	720 μmol @0.2m 46760 Lx	12541Lm 193 $\mu\text{mol}/\text{s}$	1.35A @36V 1.33A @24V	CHA 48W CHB 32W 80W 2.4 $\mu\text{mol}/\text{J}$

Module maximum working temperature: $T_{cp} < 75^\circ\text{C}$, above test room temperature 20°C , service life: 50,000 hours (Note: $T_{cp} < 55^\circ\text{C}$)

Tolerance range for optical and electrical data: $\pm 10\%$. Beam angle 90° , Recommended irradiation distance: 0.2~0.5m,
height is 0.2m corresponding to the illumination area 0.2x1.2m. height is 0.3m corresponding to the illumination area 0.3x1.2m.

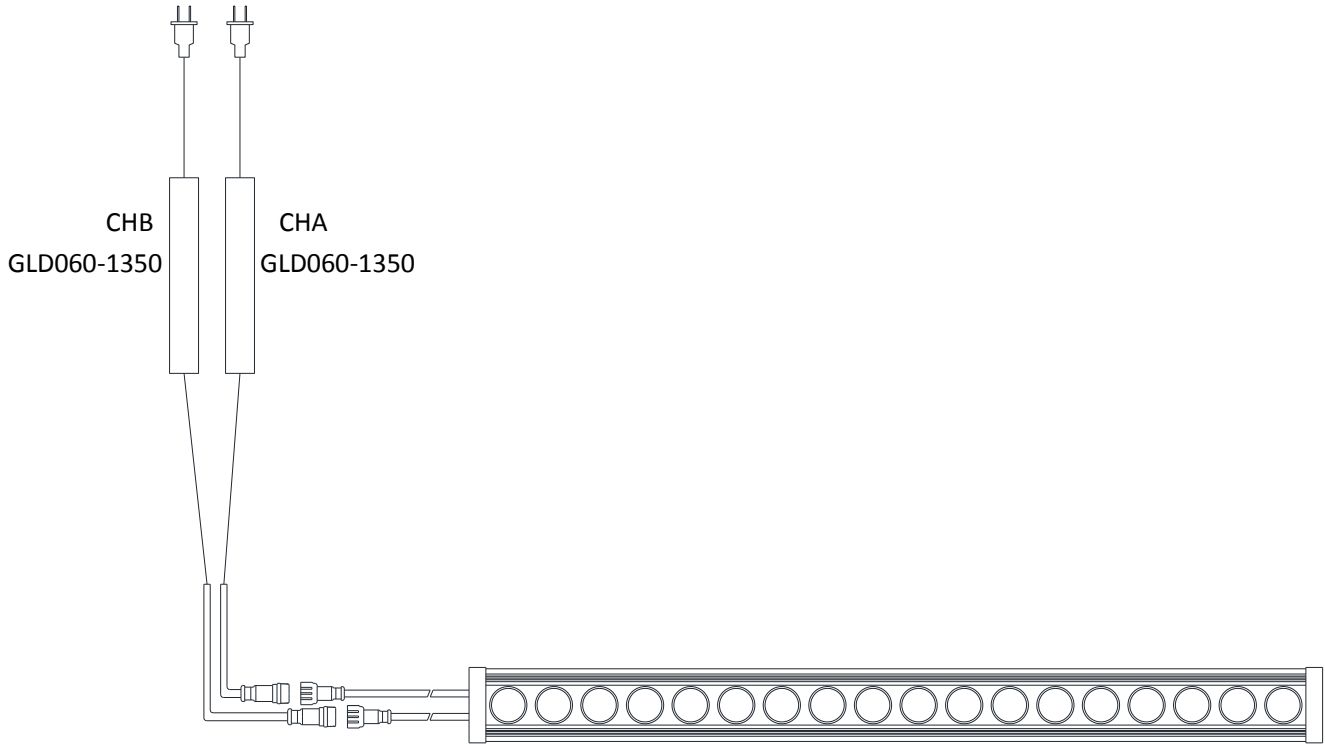
The above data is for reference only!

Dimension:



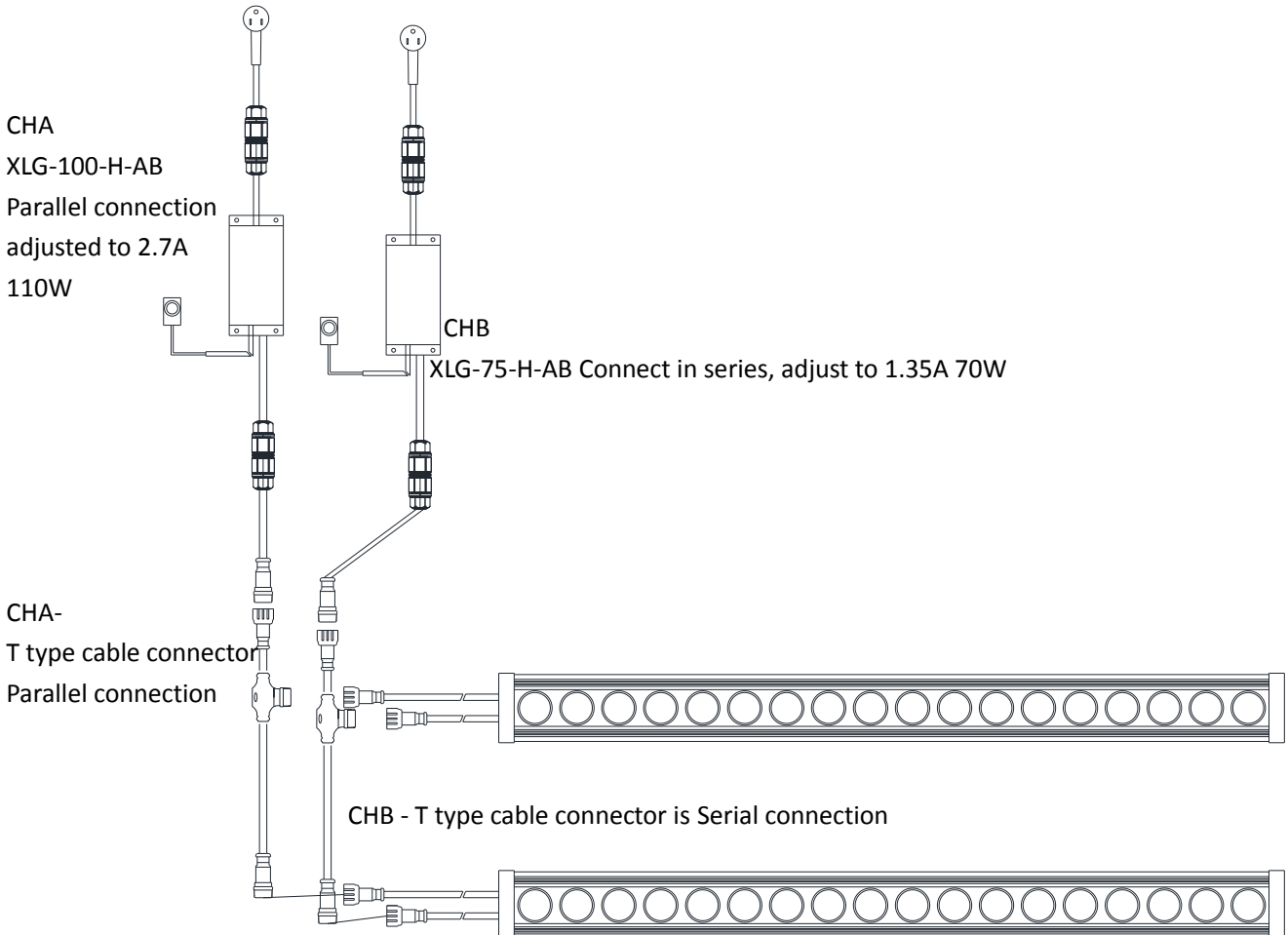
UNIT: mm

- Single Grow Light bar drive installation wiring diagram



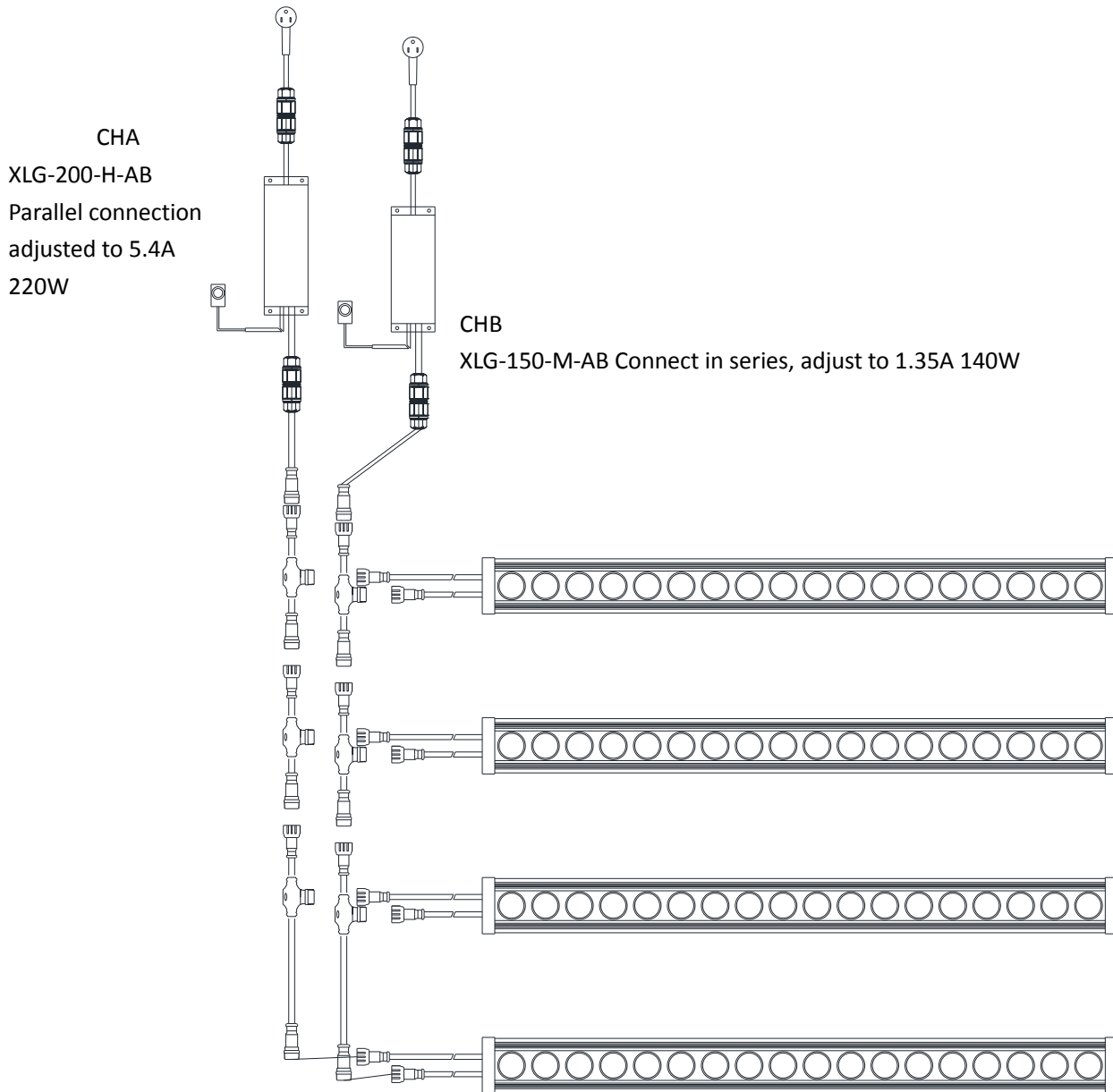
For reference only, please contact Koray for details!

- Double Grow Light bar drive installation wiring diagram



For reference only, please contact Koray for details!

- 4 Grow Light bar installation wiring diagrams

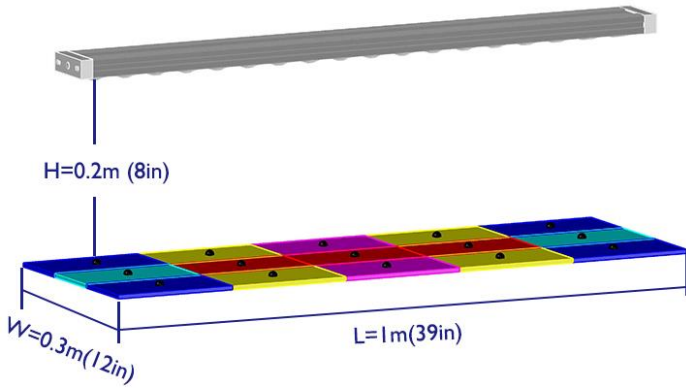


CHA - T type cable connector is Parallel connection

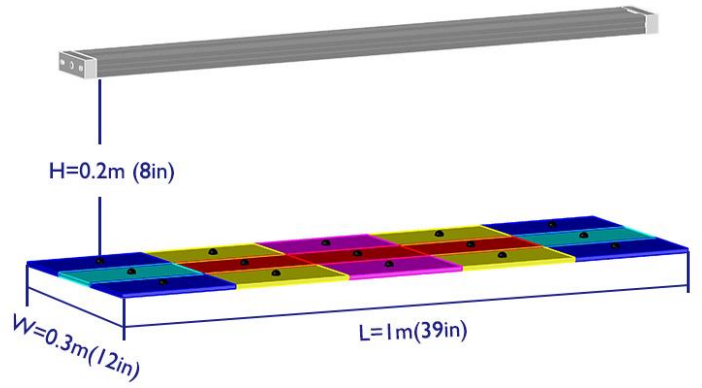
CHB - T type cable connector is Serial connection

For reference only, please contact Koray for details!

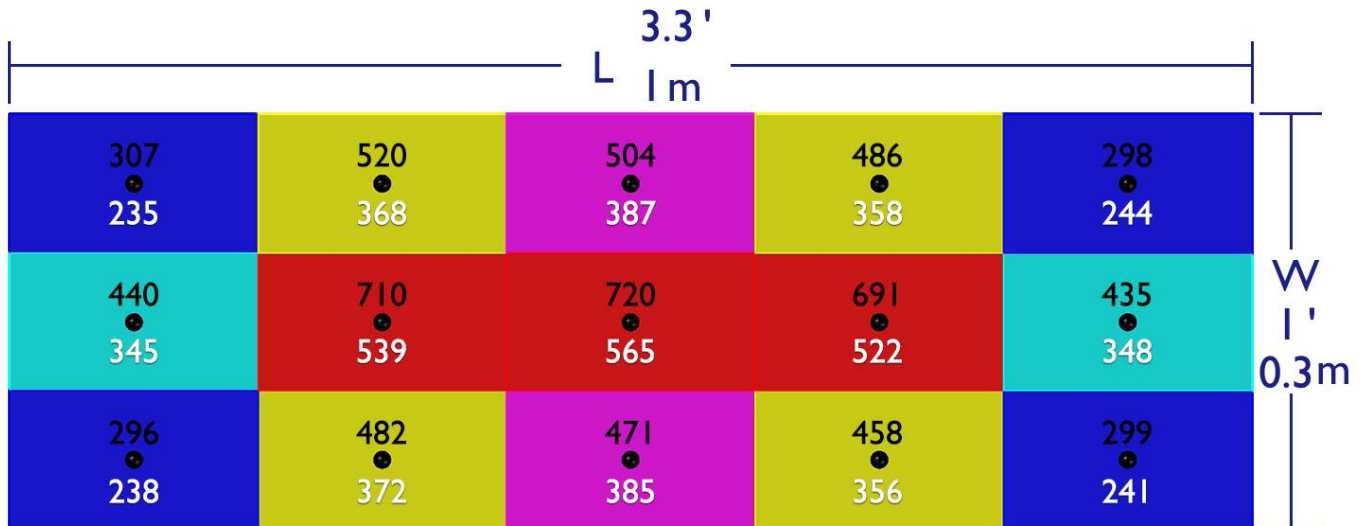
- RX-GW78-900-2H CHA&CHB PPFD 15-point test, Coverage area: 40'' x 12'' (1m x 0.3m), Test height: 8'' (0.2m)



RX-GW78-900-2H 90°
Lens + Reflector cup



RX-GW78-900-2H 90°
Not waterproof without Lens + Reflector cup

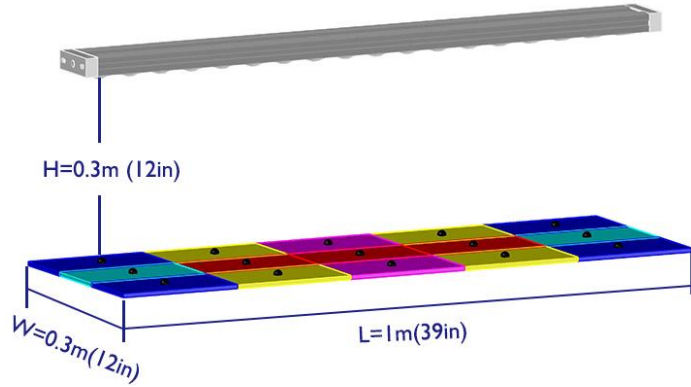


Test height 0.2m, coverage area 0.3x1m
PPFD increased by **29.3%**

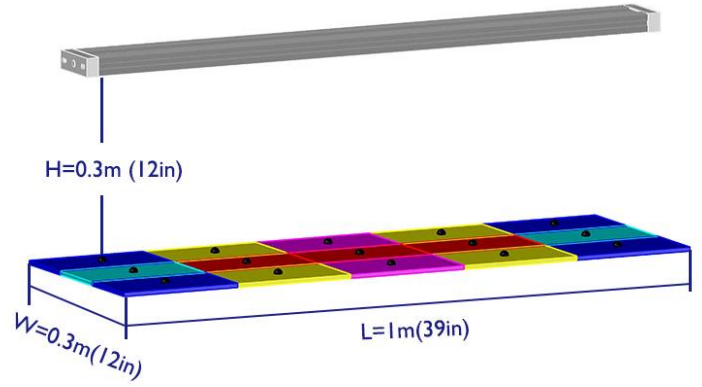
Black word data is: RX-GW78-900-2H 90° Lens+Reflector cup, The PPFD average is 474.3 $\mu\text{mol}/\text{m}^2/\text{s}$

White word data is: RX-GW78-900-2H 120° Not waterproof without Lens+Reflector cup, The PPFD average is 366.9 $\mu\text{mol}/\text{m}^2/\text{s}$

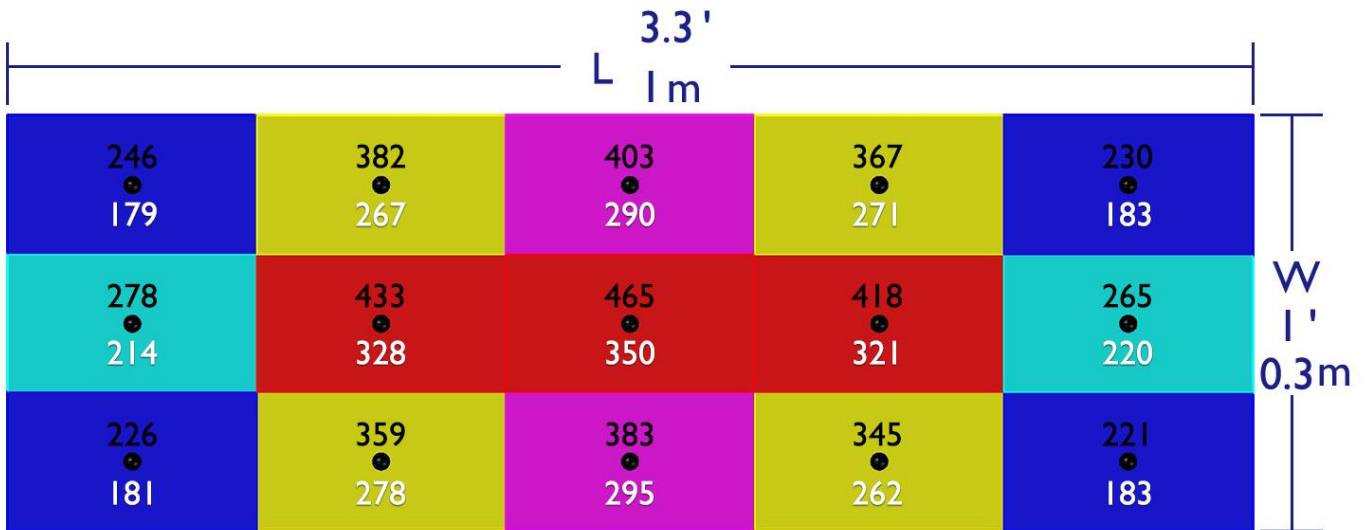
- RX-GW78-900-2H CHA&CHB PPFD 15-point test,
Coverage area: 40'' x 12'' (1m x 0.3m), Test height: 12'' (0.3m)



RX-GW78-900-2H 90°
Lens + Reflector cup



RX-GW78-900-2H 90°
Not waterproof without Lens + Reflector cup

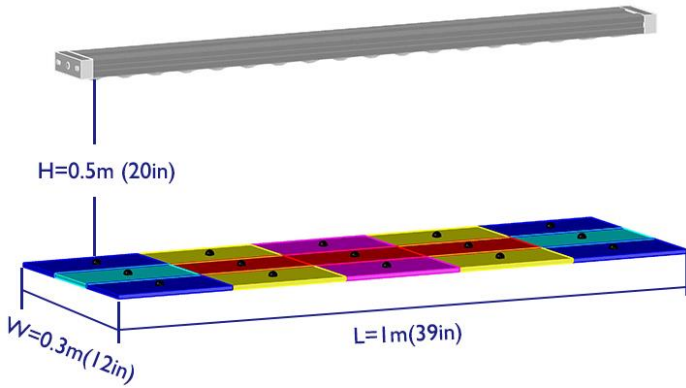


Test height 0.3m, coverage area 0.3x1m
PPFD increased by **31.4%**

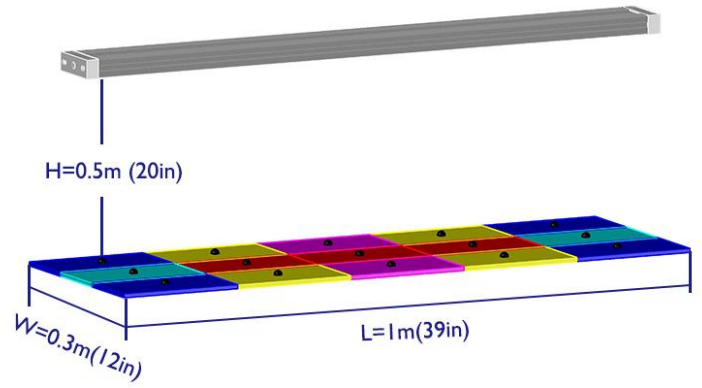
Black word data is: RX-GW78-900-2H 90° Lens+Reflector cup, The PPFd average is 334.7 μmol/m² /s

White word data is: RX-GW78-900-2H 120° Not waterproof without Lens+Reflector cup, The PPFd average is 254.8 μmol/m²/s

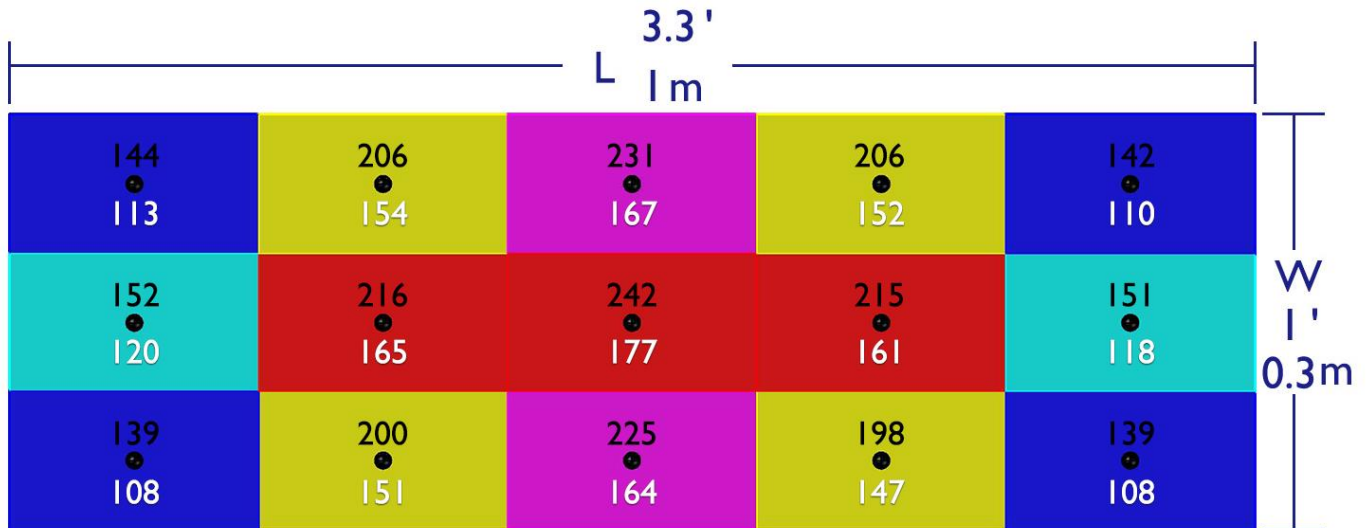
- RX-GW78-900-2H CHA&CHB PPFD 15-point test, Coverage area: 40'' x 12'' (1m x 0.3m), Test height: 20'' (0.5m)



RX-GW78-900-2H 90°
Lens + Reflector cup



RX-GW78-900-2H 90°
Not waterproof without Lens + Reflector cup

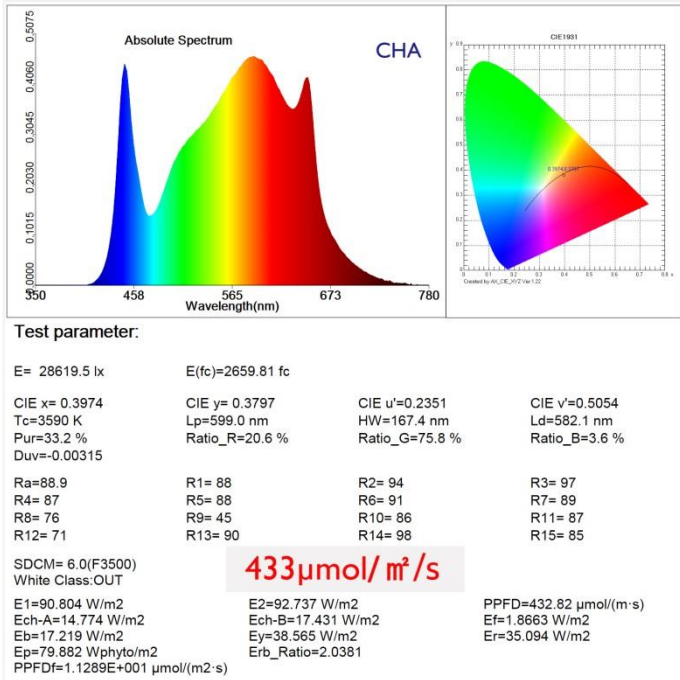


Test height 0.5m, coverage area 0.3x1m
PPFD increased by **32.6%**

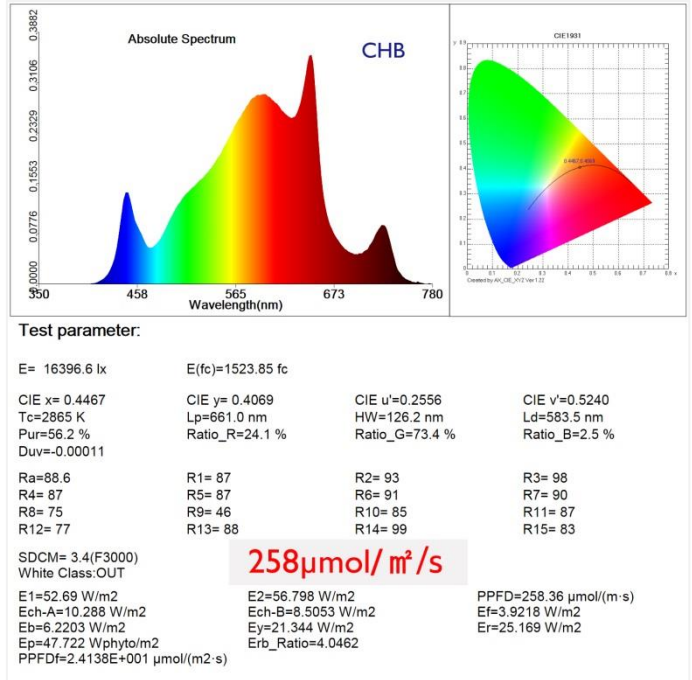
Black word data is: RX-GW78-900-2H 90° Lens+Reflector cup, The PPFD average is 187µmol/m² /s

White word data is: RX-GW78-900-2H 120° Not waterproof without Lens+Reflector cup, The PPFD average is 141 µmol/m²/s

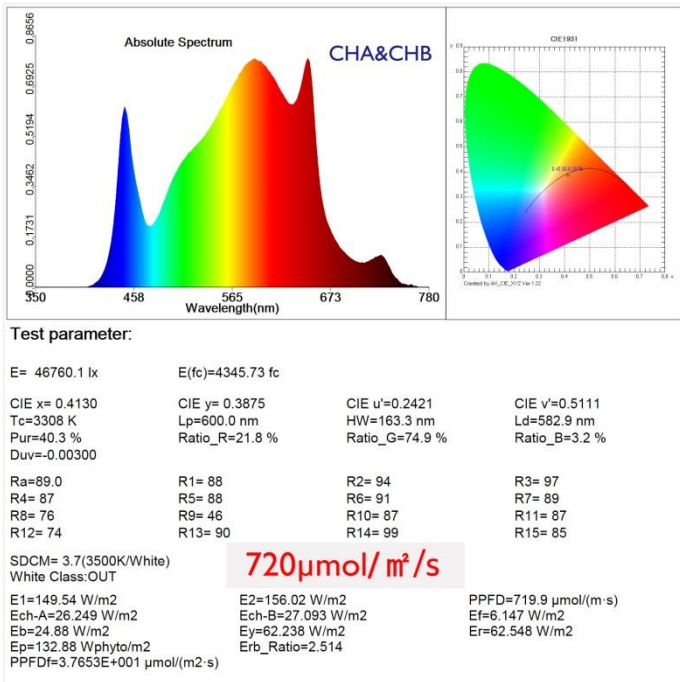
● Testing Report



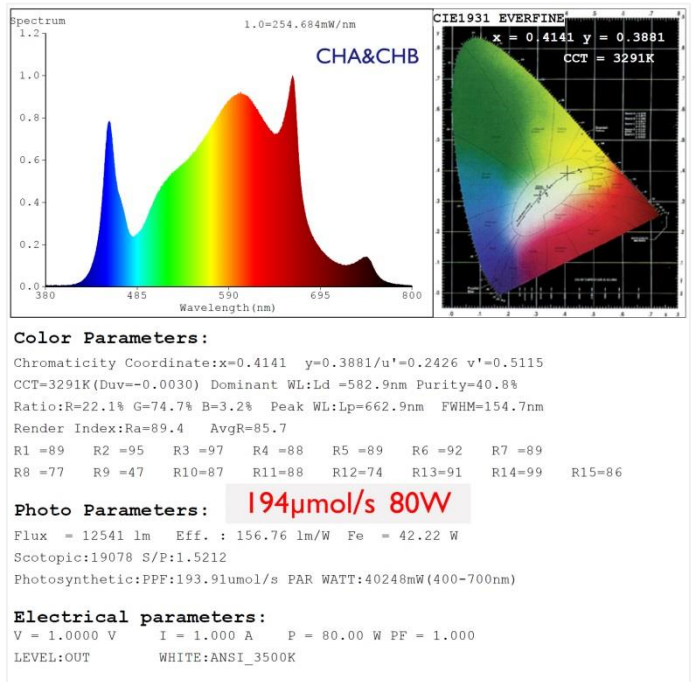
RX-GW78-900-2H-CHA-H20-PPFD-TEST



RX-GW78-900-2H-CHB-H20-PPFD-TEST



RX-GW78-900-2H-H20-PPFD-TEST



RX-GW78-900-2H-CHAB-80W--PPF-output

● RX-GW78-900-2H Surface Temperature Test

Measurements

EI1	Max	51.9 °C
	Min	34.6 °C
	Average	36.1 °C
Sp1		50.0 °C
Sp2		50.3 °C
Sp3		51.1 °C
Sp4		51.2 °C
Sp5		51.2 °C
Sp6		49.9 °C
Sp7		36.1 °C
Sp8		35.1 °C

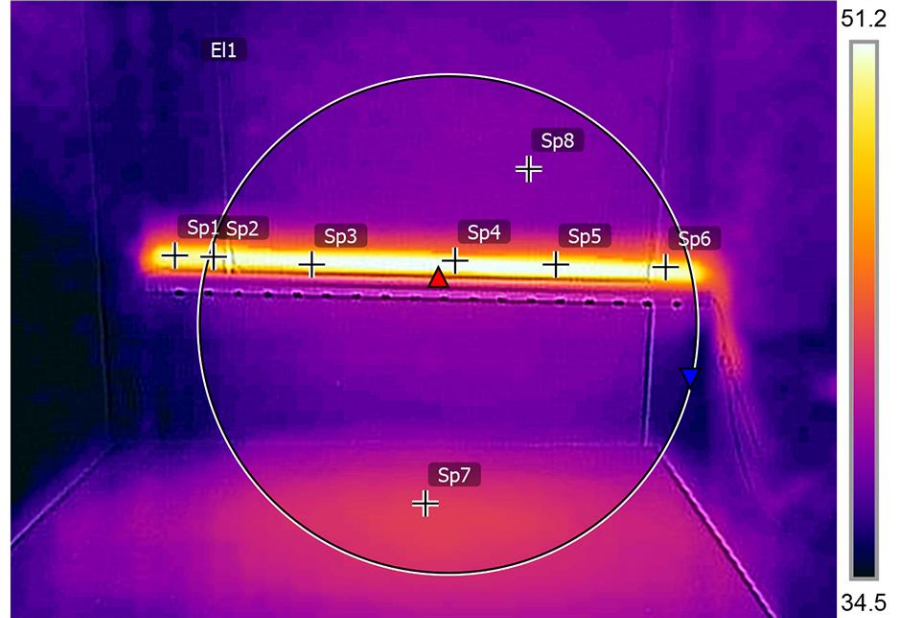
Parameters

Emissivity	0.9
Refl. temp.	22 °C

Geolocation

Compass	0° N
---------	------

2019/6/21 10:57:03



GW78-900-2H.jpeg

FLIR ONE

F02FCE00934

2019/6/21 10:57:03



GW78-900-2H.jpeg

FLIR ONE

F02FCE00934