Adjust-A-Wings®

Patented / Patents Pending

"DEFENDER"
HIGH REFLECTIVITY
WHITE POWDER COATED ALUMINIUM WINGS

HT

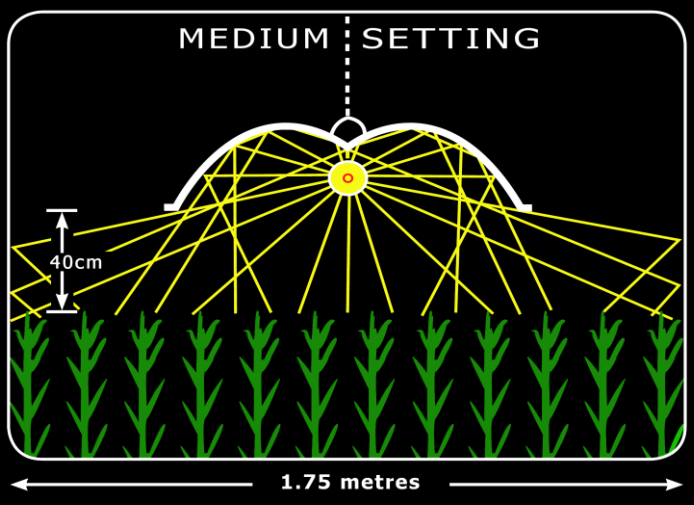
Engineering Excellence Awards 2000 (Finalist)

- MEDIUM - 400w to 600w lamps
- LARGE - 1000w or twin 600w lamps

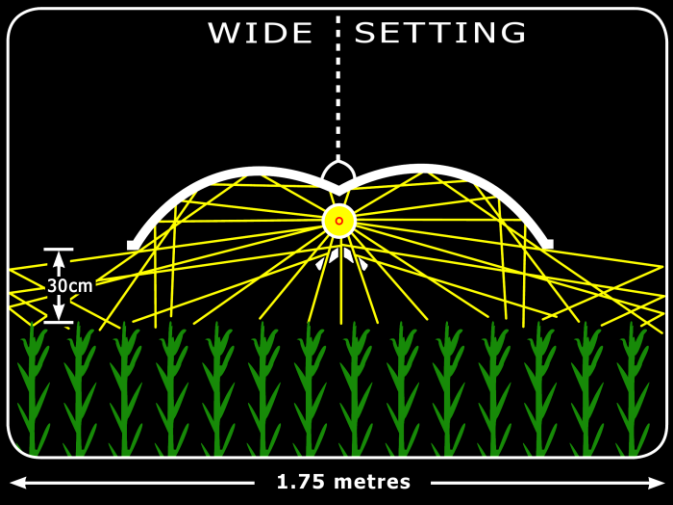
- Resists Corrosion or loss of Brightness.

- **Twice the Power and Efficiency of Most Other Reflectors**
- **Increase the Growing Area under each lamp by up to 75%**
- **Increase Yield per Lamp up to 50%. Reduce Heat, Save Power**
- **The "Adjustable Light Spread" allows Growers to create Ideal Lighting Conditions across All Stages of Plant Growth.**
- **Sold in 25 Countries across 4 Continents, Adjust -A- Wings are the "Reflectors of Choice" for many of the Worlds Top Growers!**

Growroom with 1 x 600 watt lamp



Growroom with 1 x 600 watt lamp



www.adjustawings.com

Adjust-A-Wings

"INSTRUCTIONS"

ADJUST-A-WINGS® REFLECTORS ARE SCIENTIFICALLY DESIGNED FOR THE ADVANCED GROWER. DEVELOPED OVER MANY YEARS BY EXPERTS IN THE HORTICULTURAL INDUSTRY.

ADJUST-A-WINGS® REFLECTORS COME IN 3 UNIQUE FINISHES, "**AVENGER**" 97 % REFLECTIVE GLASS COATED SUPER ALLOY, "**DEFENDER**" TITANIUM WHITE HEAT RESISTANT POWDER COATED ALUMINIUM, "**ENFORCER**" COST EFFECTIVE HIGH QUALITY REFLECTIVE ANODISED ALUMINIUM.

STEP 1

REMOVE CONTENTS
CHECK AGAINST THE LIST BELOW

- **2 X** REFLECTOR WINGS
- **2 X** ADJUSTMENT WIRES
- **2 X** HANGING HOOKS & THUMB SCREWS
- **1 X** LAMPHOLDER

LAMP HOLDERS ARE PACKAGED AND SOLD SEPERATELY. 2 LAMPHOLDERS CAN BE USED WITH LARGE ADJUST-A-WINGS REFLECTORS

STEP 2

REMOVE THE PLASTIC COATING FROM BOTH WINGS.

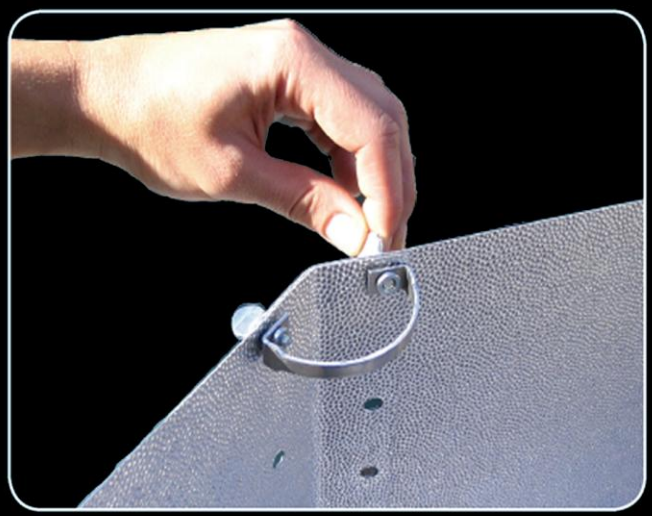
STEP 3

CONNECT BOTH WING SHEETS TOGETHER BY ALIGNING BUTTON RIVETS WITH KEYHOLE SLOTS AND THE WINGS WILL SIMPLY LOCK TOGETHER.

NOTE: DO NOT ATTACH ADJUSTMENT WIRES BEFORE PROCEEDING TO STEP 4.*

STEP 4

ATTACH THE HANGING HOOKS TO BOTH ENDS OF THE ADJUST-A-WINGS USING THE THUMB SCREWS PROVIDED.



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STEP 5

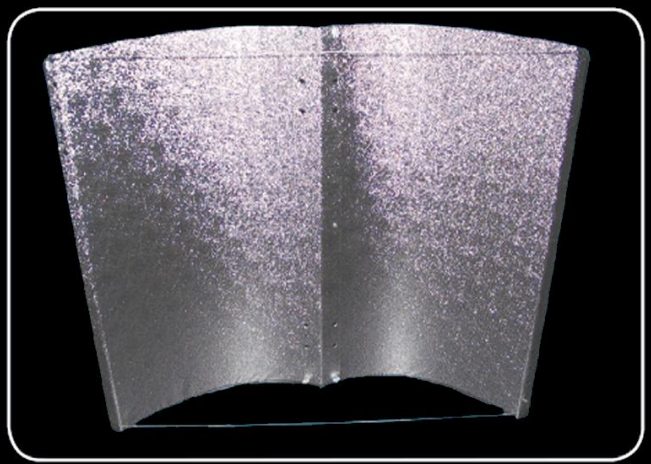
SELECT ONE ADJUSTMENT WIRE. TAKE THE END WITH THE SINGLE STOPPER AND THREAD IT THROUGH THE FIRST KEYHOLE. THEN THREAD IT BACK THROUGH ONE OF THE OTHER KEYHOLES, AS SHOWN BELOW.

THIS PRESETS YOUR REFLECTORS WIDTH.

STEP 6 IMPORTANT !!!

WHILE HOLDING THE OPPOSITE END OF THE ADJUSTMENT WIRE (THAT HAS 2 STOPPERS) CAREFULLY BEND THE WINGS BACK AWAY FROM THEIR SPINE AND LOCK THE END STOPPER INTO THE SINGLE KEYHOLE PROVIDED. REPEAT STEPS 5 & 6 AT THE OPPOSITE END OF THE WINGS TO ATTACH THE 2ND ADJUSTMENT WIRE.

NOTE: THE 2ND STOPPER ON EACH ADJUSTMENT WIRE IS FOR GRIP ONLY IN THESE PROCEDURES



YOUR ADJUST-A-WINGS NOW LOOK LIKE THIS.

STEP 7

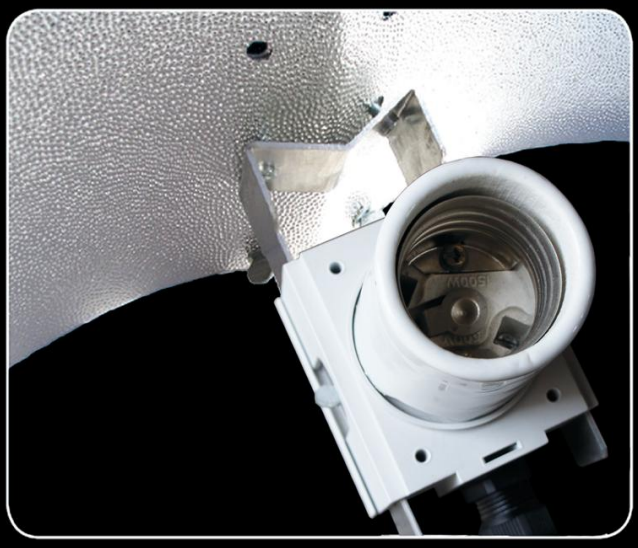
ADJUST-A-WINGS SETTINGS ARE CHANGED BY REVERSING STEP 6 AND CHOOSING A DIFFERENT KEYHOLE POSITION FROM STEP 5

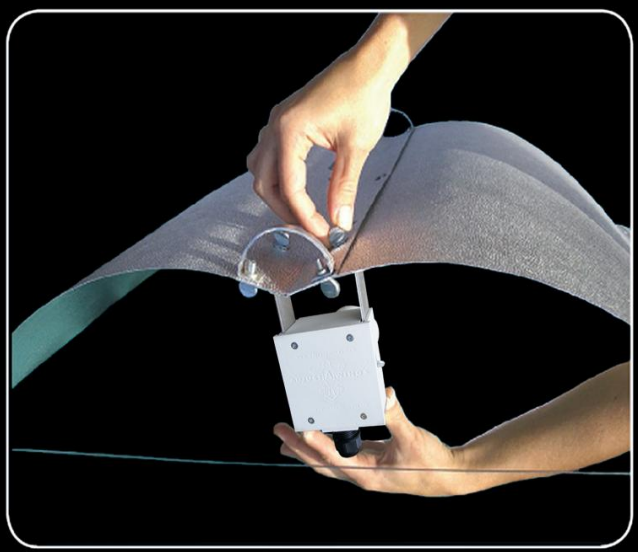
NOTE: ADJUST ONE END OF THE WIRES AT A TIME

WARNING:
FOR SAFE OPERATION, ENSURE THAT THE POWER IS OFF BEFORE ADJUSTING THE WINGS OR LAMPHOLDER.

STEP 8

TAKE THE LAMPHOLDER AND USING THE 2 THUMB SCREWS PROVIDED ATTACH AS SHOWN BELOW





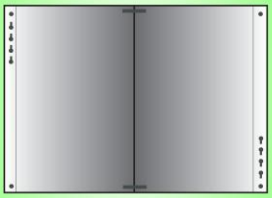
WIDE SETTINGS PRODUCE BROAD EVEN LIGHT PATTERNS FOR MAXIMUM AREA COVERAGE AND DEEP FOILAGE PENETRATION.
NARROW SETTINGS PRODUCE UNIFORM CONCENTRATED LIGHT PATTERNS FOR USE AT GREATER DISTANCES ABOVE PLANTS.
VERTICAL ADJUSTMENTS TO THE LAMPHOLDER PROVIDE A METHOD FOR FINE FOCUS CORRECTION.

Adjust-A-Wings®

"LAYOUT TIPS"

Unbeatable Performance - Unmatched Productivity
Adjustable Double Parabolic Reflector

LARGE Adjust-A-Wings 1000 watt Lamp

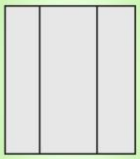


2.2 m × 1.8 m

AREA = 3.89 m²

- 85% Larger Growing Area
- 43% Saving In Electricity -
- 43% Less Heat
- Yield UP to 2kg dry herbs

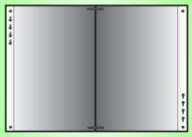
LARGE Basic Reflector 1000 watt Lamp



1.6 m × 1.3 m

AREA = 2.08 m²

MEDIUM Adjust-A-Wings 600 watt Lamp

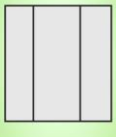


1.75 m × 1.35 m

AREA = 2.36 m²

- 88% Larger Growing Area
- 44% Saving in Electricity
- 44% Less Heat
- Yield UP to 1kg dry herbs

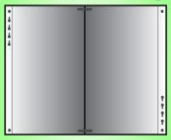
MEDIUM Basic Reflector 600 watt Lamp



1.25 m × 1.0 m

AREA = 1.25 m²

MEDIUM Adjust-A-Wings 400 watt Lamp

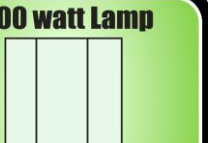


1.25 m × 1.0 m

AREA = 1.25 m²

- 65% Larger Growing Area
- 33% Saving in Electricity
- 33% Less Heat
- Yield UP to 550gm dry herbs

MEDIUM Basic Reflector 400 watt Lamp



1.0 m × 0.75 m

AREA = 0.75 m²

INCREASE YIELD! ✵ REDUCE HEAT! ✵ SAVE POWER!

www.super-spreader.com

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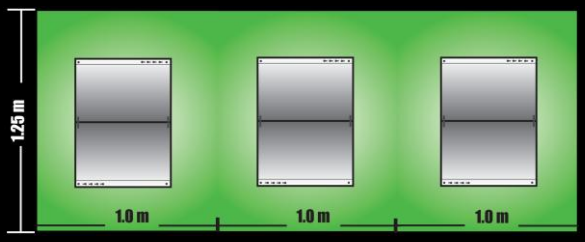
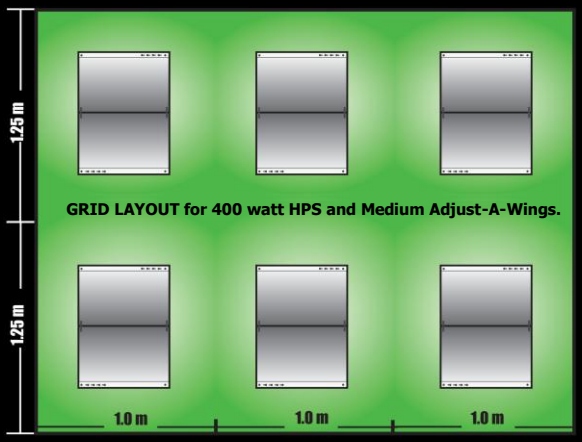
The dimensions shown below are maximum sizes. They may be reduced by up to 20%, but no more!!
(E.g. Do not use grow areas smaller than 1.8m x 1.2m with Large Wings + 1000 watt. No smaller than 1.4m x 1m for 600 watt)

SUGGESTED LAYOUT for 400 Watt HPS LAMPS
(Using Medium Adjust-A-Wings reflectors)



- Yields of 1.5 kg can be achieved using this setup !!
- Your grow room should be enclosed within 4 reflective walls produce best yields.

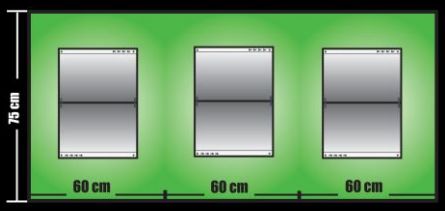
Also, to get yields as high as quoted, the use of SUPER SPREADERS would be necessary !!

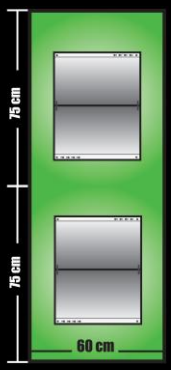


- This system should produce up to 3 kg if set up and operated efficiently !!
- Two inflow fans at floor level would supply ample fresh air for a room set out as shown above. Two ceiling fans would be ample to expel heat & stale air.

Two oscillating fans for air movement would be an advantage!

SUGGESTED LAYOUT for 150-250 Watt MH/HPS LAMPS
(Using Small Adjust-A-Wings Reflectors)



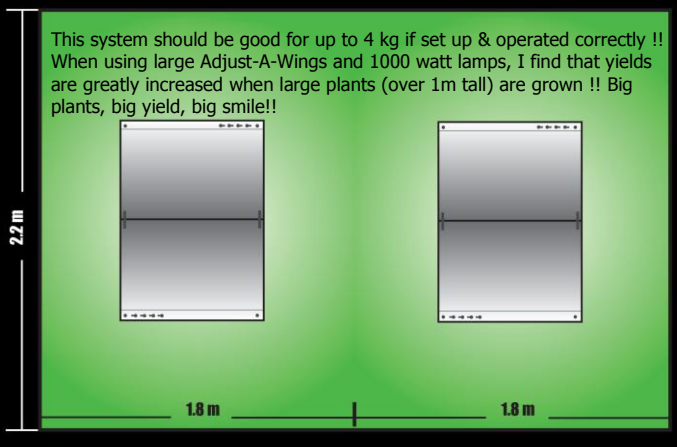


- The system shown above can produce yields up to 600 gm when 250 watt HPS lamps are used !!
- When using tiny 150 watt lamps, the small Adjust-A-Wings can operate efficiently in spaces as small as 60cm wide by 40cm deep!

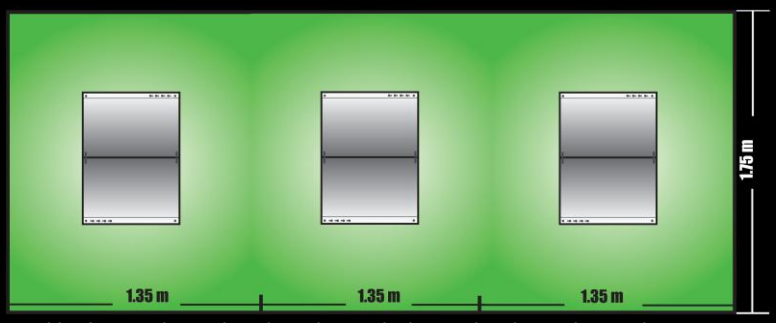
TRY THIS IDEA!

- Lighting systems designed exactly as set out above work beautifully to advance pre-struck cuttings to approx 12 inches (30cm) in height. These advanced cuttings (numbering b/w 12 & 20) are then placed in a flowering room with 2 large **Adjust-A-Wings** fitted with 1000 watt HPS lamps, exactly as shown below.
- Twin 1000 watt rooms supported by twin 250 watt rooms are capable of producing up to 4kg every 8 to 9 weeks for a power draw of only 2500 watts !!! 250 watt halides seem best for advancing cuttings. The 1000W lamps are used for flowering only, so they run for 12 hrs. per day (never 18 hrs.) Which again saves power bigtime!!!

Use **SUPER-SPREADERS** in large room !!!

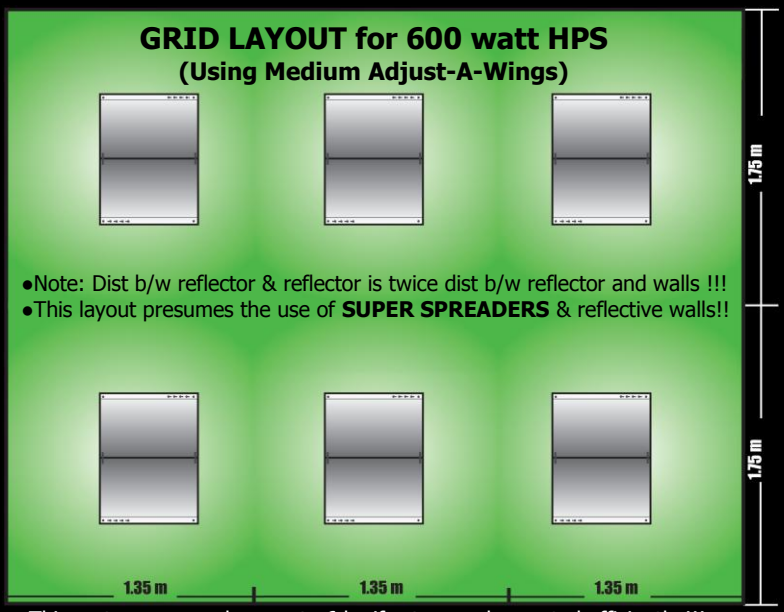


SUGGESTED LAYOUT for 600 Watt HPS LAMPS
(Using Medium Adjust-A-Wings reflectors)



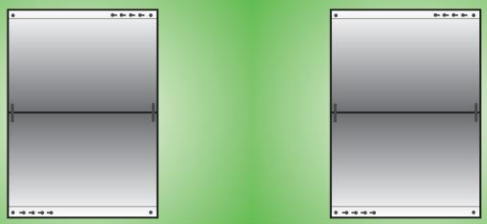
- Yields of up to 3 kg can be achieved using the layout plan shown above!! That is massive considering the low power consumption.
- Again we must repeat, use REFLECTIVE WALLS & SUPER SPREADERS !!! No, the walls will not make the room too hot ! Adjust-A-Wings are 'the coolest' and Super spreaders are 'super cool' !! The wattage is very low for the size of the enclosure, so just supply adequate ventilation and you're away !!!

GRID LAYOUT for 600 watt HPS
(Using Medium Adjust-A-Wings)



- This system can produce up to 6 kg if set up and operated efficiently !!! Note: such high yields will never be achieved if the plant strain is not robust, or is grown in a climate/latitude that does not suit !

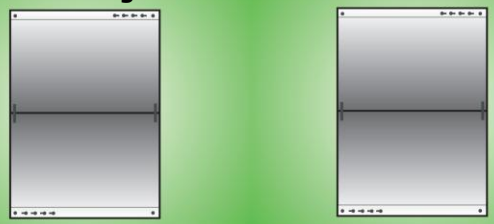
SUGGESTED LAYOUT for 1000 Watt HPS LAMPS
(Using Large **Adjust-A-Wings** Reflectors)



GRID LAYOUT – EXPAND FOR LARGER AREAS

This set up should be able to produce up to 8 kg if operated correctly !!!! we Must repeat !! Distance b/w reflector and reflector is twice dist b/w reflector and wall !! Similarly dist b/w plant to plant is twice dist b/w plants and walls. This rule is of utmost importance, but so rarely do I see it followed ??

Even light distribution and even plant growth are ensured when this pattern is followed.

ADJUST-A-WINGS reflectors, **SUPER SPREADERS**, REFLECTIVE WALLS, CORRECT LIGHTING & PLANT LAYOUT and a "Green Thumb" will take your yields from good to fantastic !!

Now go forth & PROPAGATE.