A GUIDE TO
MOVING
YOUR LIGHT

Light Rail™

AdjustaDrive 4.0

LIGHT MOVER

Light Rail
AdjustaDrive 4.0

12 VDC / 9.0 Watts

Gualala Robotics Inc.
PO BOX 774288
Steamboat Springs, CO 80477
www.LightRail4.com

DOM:

Manufactured by Gualala Robotics
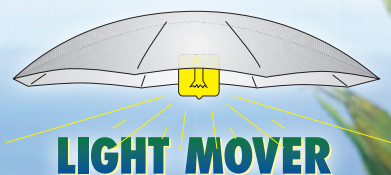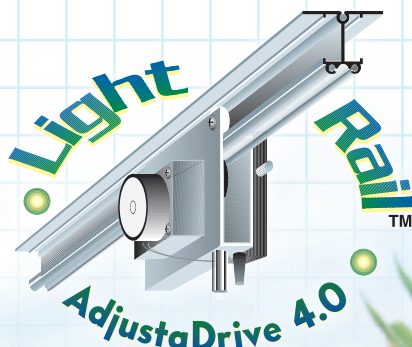
## *Save Energy, Save Money, Less Heat, Better Yields*

Why Move
Your Light
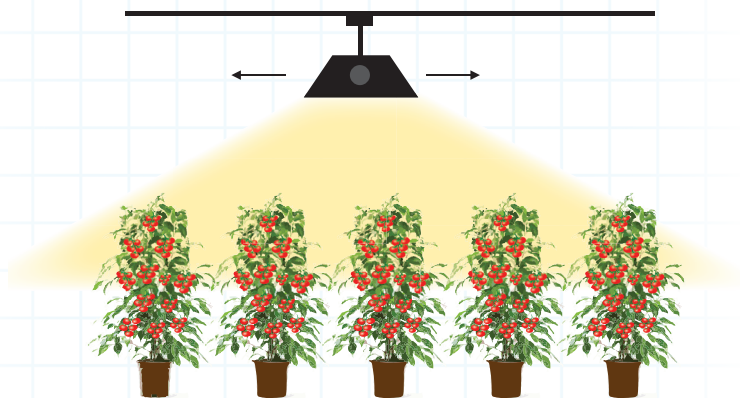
Increased Light Coverage

Moving one light on a 2 meter rail can increase your light's coverage by up to 30%. Use fewer lights to cover the same area while keeping the correct intensity by running the light closer. Depending on your light, you may save as much as $300.00 per year and get better results.

Give your garden even coverage; eliminate shadow patterns while maximizing the power of your bulb.

Getting Technical
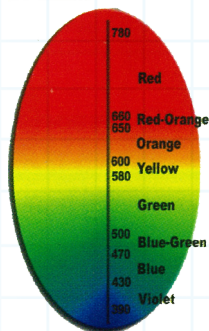
You could be losing as much as 60% of your lights energy because static lighting lacks the ability to diversify itself by maximizing your plants energy absorbing surfaces at the correct intensity. Moving your light offers considerable flexibility in terms of plant to lamp tolerance and plant spacing. Provide light intermittently on more leaves during 40% of the photoperiod at the correct intensity, so the maximum LAI (Leaf Area Index) can be achieved.

Get Light to All Parts of Your Plants

Moving your reflector eliminates hot spots allowing you to run closer plant to lamp tolerances.

Moving your grow lights offers significant advantages. By distributing light at a greater range of angles at the correct intensity, more of the plant canopy is covered during the photoperiod. So the maximum Leaf Area Index can be achieved. Simply put, a moving Grow Light helps more leaves absorb more light energy, and you benefit.
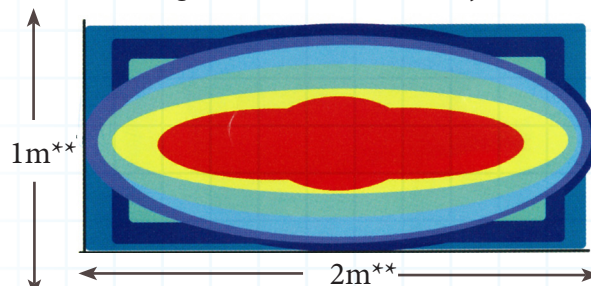
Stationary With 2 Lights Over 2 Meters

Uneven Coverage, More Bulbs, More Electricity, More Heat

1m**

up to $300.00 per Year per Light

up to $300.00 per Year per Light

2m**
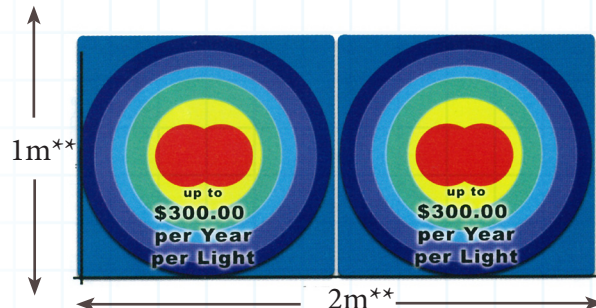
LightRail™ With 1 Light Over 2 Meters

Even Coverage, Less Bulbs, Less Electricity, Less Heat

1m**

2m**

**Results depend on light, reflector, and environment variables.

What is AdjustaDrive

With a .6 meter to 1.2 meter per minute variable speed adjustment as well as a 0 to 60 second adjustable time delay, LightRail's AdjustaDrive 4.0 digital circuitry gives you the ultimate in control, ensuring even growth throughout your garden.
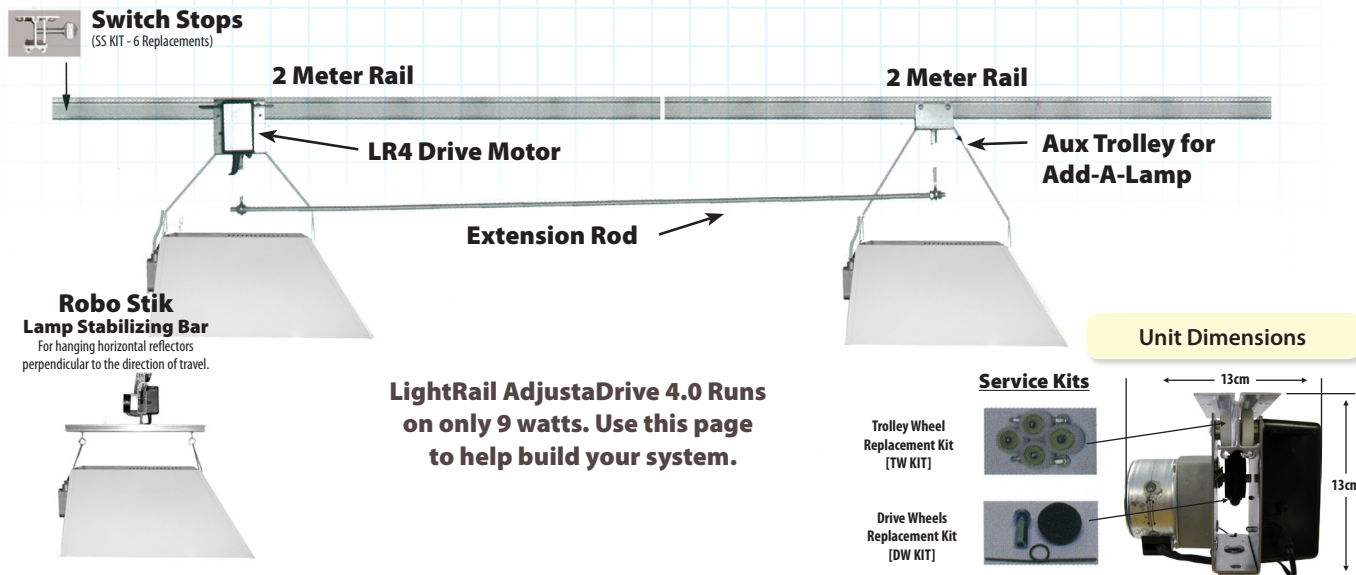
LightRail AdjustaDrive 4.0

System Shown Below: Light Rail 4.0 System and Add-A-Lamp Kit
(Reflectors are for display only and are not included)

Switch Stops
(SS KIT - 6 Replacements)

2 Meter Rail

2 Meter Rail

LR4 Drive Motor

Aux Trolley for Add-A-Lamp

Extension Rod

Robo Stik
Lamp Stabilizing Bar
For hanging horizontal reflectors perpendicular to the direction of travel.

LightRail AdjustaDrive 4.0 Runs on only 9 watts. Use this page to help build your system.

Unit Dimensions

Service Kits

Trolley Wheel Replacement Kit [TW KIT]

Drive Wheels Replacement Kit [DW KIT]

13cm

13cm

LightRail AdjustaDrive Overhead View

LightRail AdjustaDrive 4.0 Basic 2 meter system
Has a down and back cycle time of between 4.4 and 7 minutes as you adjust both speed and end of travel time delay
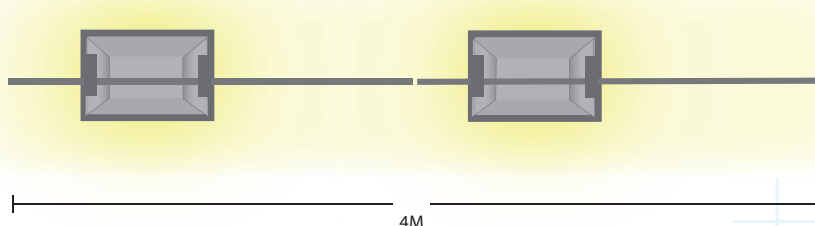
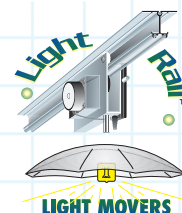### LightRail AdjustaDrive 4.0 One motor two lights
Add a Lamp system. Move 2 lights in line over 4 meters. Adjustable run length and reflector spacing.

1M

2M

4M
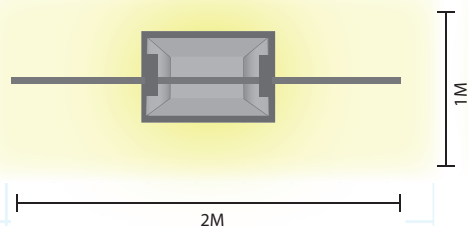
Items needed:
1-LightRail AdjustaDrive 4.0 Kit
(Item code LR44 AD KIT EU)

Items needed:
1-LightRail AdjustaDrive 4.0 Kit
(Item code LR4 AD KIT EU)

1-LightRail Add a Lamp Kit
(Item code AAL KIT EU)

Light Rail™

LIGHT MOVERS

LightRail™ light movers are quality products made by American workers in the USA DON'T BE FOOLED BY OUR IMITATORS.

MADE IN CHINA

LightRail™

Light Rail™

LIGHT MOVERS
Manufactured by
Gualala Robotics, Inc.

Bringing Light To The Shadows Since 1986

AUTHENTIC MADE IN USA AUTHENTIC

Product Features	The Genuine LightRail™	VS.	Imitators
Country of Origin	☑ Made in the USA		☐ Made in China
Product Manufacturer	☑ Gualala Robotics USA *Since 1986*		☐ Better Ask
Motor Manufacturer	☑ Hurst Mfd. USA		☐ Unknown
Grounded Plug	☑ YES		☐ NO-Dangerous
Running Temp. of Motor	☑ 28-42 Degrees C		☐ 77 Degrees C
Electrical Certifications	☑ C CSA US & CE		☐ Counterfeit Markings
Flammability Rating	☑ YES UL 5 VB		☐ Better Ask
RoHS Compliant	☑ YES		☐ Better Ask
Years in Business	☑ 25 Years		☐ Better Ask
Level of Noise	☑ Very Quiet		☐ Loud/Vibrates
Warranty	☑ 2 years		☐ 90 Days
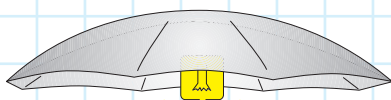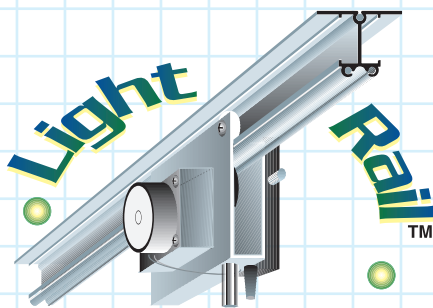
Light Rail ™

LIGHT MOVERS

**Manufactured by
Gualala Robotics, Inc.**

Made in the USA

- ✓ **Save Energy**
- ✓ **Reduce Shadow Patterns**
- ✓ **Better Yields**
- ✓ **Closer Plant to Lamp Tolerances**
- ✓ **Reduce Heat**
- ✓ **Healthier Plants**