



**Long Life & Energy Efficient**

# Integrated Intelligent Lighting & Control

**D.I.Y.**

**Paint Colors with Lights and Save Up to 90% Energy with Selectable Multi-color High Intensity Super Bright LED Lighting at a Press of a Button**

**Same Brightness**

	50W Incandescent	50W Halogen	15W Fluorescent	3Wx3 LED MR16 or LED Bulb
Life Span (Hour)	500	2,000	5,000	80,000 (Half-Life)
Energy / Heat Loss	~90 %	~ 85 %	~ 45 %	2 ~ 16 %
Energy Saving	None	None	22 %	88%
Multi-Color	Yellow Only	Yellow Only	White or Yellow	16.7 million colors
Dimmable	Yes	Yes	Normally No	Yes
Life Span (10Hour/day)	1.7 months	6.5 months	1 year & 5 months	22 years
Periodic Maintenance	1.7 months	6.5 months	1.4 years	Installed & Forget



Integrated Intelligent Home/Office Multi-Channel Automation Control System for Lighting, Air-con, Audio & Video System with Integrated DMX Controller and PIR Motion Detector & Light Sensor

**Features & Benefits**

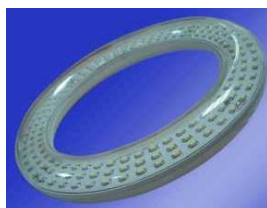
- 3Wx3 Warm White LED MR16 to Direct Replace 50W Halogen MR16 and 42% brighter
- Very Significant Heat Reduction over Halogen MR16 (250°C to 600°C)
- Huge Energy Saving (as high as 88% for 50W Halogen)
- Very Long Life Span thus Maintenance Free. Saving Maintenance Labour Cost
- No wiring, DIY Direct Plug-in Replacement for Halogen MR16, Incandescent or Energy Saving bulb
- No Harmful UV, No Harmful Mercury & Shatter Proof (unlike Halogen, Fluorescent & Incandescent)
- Preserved Picture, Wall Paint Colors and Skin from damaging UV Ray
- 1 LED MR16 = 40 Halogen MR16's (i.e. cheaper than Halogen MR16 in the long run)
- Remote Model: Built-in Remote Control Function for ON/OFF/Dimming/Flashing/ColorMix etc.
- Optional Built-in 0 ~ 100% Direct Dimming by Conventional Halogen / Incandescent Wall Dimmer
- Allow for dimming and flashing with low-cost Controller Switch without shortening life span
- Remote & Music Control ON/OFF/Dimming/Dancing/ColorMix with Integrated LED Controller Box



Dimmable 9W LED Bulb



27W AR111



21W LED Ceiling Bulb



12W PLC LED Bulb



Dimmable 3Wx3 MR16 Bulb

One-Stop Product Development & Manufacturing Center

**Appliance Innovation Pte Ltd**

Web Site: [www.ai-m.net](http://www.ai-m.net)

9 Little Road, #08-02 MG Manufacturers Building, Singapore 536985

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LED Light & Control



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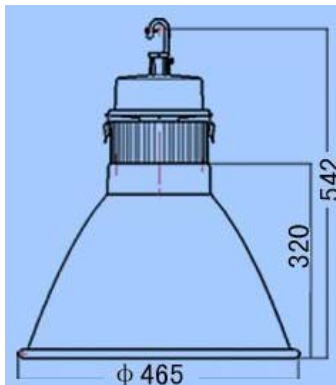
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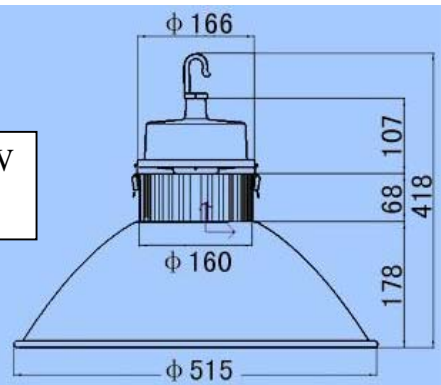
**Flood Light & Highbay HID Lighting Energy Saving By Direct Retrofit  
Stop waiting for HID Lamp to light up & say good bye to Ignitor, ballast & capacitor**

### Features & Benefits

- 30W / 60W / 100W / 120W / 200W / 300W = 3300 / 6600 / 11000 / 13200 / 22000 / 33000 Lumen
- Direct Replacement of 250W, 300W, 400W, 750W, 1KW Halogen or HID Lamp Flood or HighBay Light
- No More Delay but Instant Turn-on thus Enable Further Saving with PIR Motion Sensor Technology
- Reduce System Cost: No need for Ignitor, Ballast and Capacitor
- Much Lesser Heat and Lower Power Consumption Significantly Save Air-conditioner Power Consumption
- Very Long Life Span thus Maintenance Free. Saving Bulb and Periodic Maintenance Labour Cost
- Life Span Halogen vs LED: 1500 Hours (Break Down) vs 80,000 Hours (Half-Life)
- 1 LED Lighting = 53 Halogen or 8 HID Blubs
- High Power Super Bright LED Array Brighter Than HID Lamp and Save Up to 90% Energy
- Portable or Wall Mount. Indoor IP55, Outdoor IP65



100W / 120W / 150W / 200W  
LED HighBay Light



10W~240W Flood Light & High Power Spot Light (225x185x126mm ~ 400x305x285mm)

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**LED Street Lamp Bulb and Panel Saving Energy By Direct DIY Replacement  
Revolutionary! Flood Beam Angle Beyond 140°: Adjustable from 100° to 220°**



30W LED Street Lamp Bulb  
Ø90 x 275 mm, 1Kg



60W LED Street Lamp Bulb  
Ø104 x 275 mm, 1.5Kg



20W – 50W LED Street Lamp  
Length 540mm – 700mm



240W LED Street Lamp  
Length 720mm

### Features & Benefits

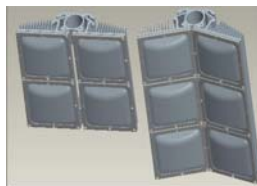
- 20W to 240W for 2400 Lumen to 28,800 Lumen
- Saving up to 90% Energy
- Direct DIY Replacement of HID Street Lamp Bulb
- Modular Configuration Design from 2 to 6 Panels or 20W x 2 up to 40W x 6
- User Adjustable Beam Angle from 100 to 220 degree
- Quick Exchangeable LED Bulb with different Wattage and Brightness According to Requirement
- Market Smallest Street Lamp Head Design with Each 30W Panel Size of 157mm x 185mm
- Upgradeable and Downgradeable in Power and Lighting Distribution for future relocation Need
- Reduce System Cost: No need for Ignitor, Ballast and Capacitor
- Instant Turn-on thus Enable Further Saving with Occupancy Detection (Microwave, Motion Sensor etc.)
- Very Long Life Span thus Maintenance Free. Saving Bulb and Periodic Maintenance Labour Cost
- Life Span HID vs LED: 10,000 Hours (Break Down) vs 80,000 Hours (Half-Life)
- 1 LED Street Light Bulb = 8 HID Bulbs
- Designed for Solar Power and New Invented Micro Wind Power Generator with No Loss of Energy



40W to 80W



80W to 160W



120W to 240W



**Modular and Adjustable Panel with Wide Flood Beam Angle from 100° to 220°**

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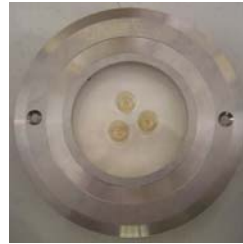
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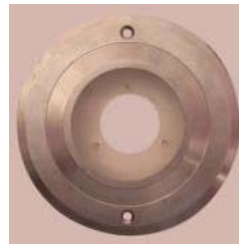
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# Integrated Intelligent Lighting & Control **D.I.Y.**

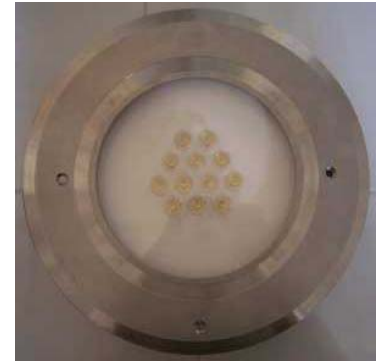
**New Way to Paint the House with Lights with a Press of a Button  
Envisage what LED Light can do in the House, it can also do it in the Pool**



3x3W 160mm



9 to 27W Water Fountain



12x3W 280mm



3W LED Module (22x4 mm)

## LED UnderWater Lighting

### Unique Features & Benefits

- o *Stainless Steel Bezel with Exchangable LED Lamp Module. No more rust to make replacement a nightmare*
- o *Wide Range of Power 9W to 72W (Saving above 88% of Energy with our Optimal Water-Proof Power Saver)*
- o *Very Long Life Span thus Maintenance Free. Install and Forget. Forget about short life PAR & Incandescent too*
- o *No rewiring, Direct Replacement for Halogen, PAR, Incandescent or HID bulb*
- o *Safe and sound: Low voltage underwater power supply*
- o *Wide Range of Color Selection: Cool White, Warm White or Multi-color RGB for also Water Fountain, Water Fall etc.*
- o *Remote Model: Built-in Remote Control Function for ON/OFF/Dimming/Flashing/ColorMix etc.*
- o *Programmable Control: DMX or Stand-alone Auto-Run*

### **3-LED Power UnderWater Light**

#### Dimension

Diameter: 145 or 160mm

Thickness: 30mm

3-LED Lamp Module Diameter (mm): 90 or 105  
 Power: 9W / 18W (9W Replace 100–125W Halogen Lamp)  
 Color: Cool White, Warm White or Multi-color  
 Beam Angle: 30, 45, 60, 75, 90, 120, 140  
 Installation: Direct Retrofit or Made-to-Order  
 Underwater LED Power Supply Built-in: Included  
 Life Span: 80,000 Hours

### **9 to 18-LED Power UnderWater Light**

#### Dimension

Diameter: 250, 280 or 300mm

Thickness: 40mm

9 to 18-LED Lamp Module Diameter (mm): 175 or 190  
 Power: 27, 36, 48 (36W replace 300–500W Halogen Lamp)  
 Color: Cool White, Warm White or Multi-color  
 Beam Angle: 30, 45, 60, 75, 90, 120, 140  
 Installation: Direct Retrofit or Made-to-Order  
 Underwater LED Power Supply Built-in: Included  
 Life Span: 80,000 Hours

**Check us out for our 9W to 27W Musical Dancing Color Water Fountain LED Lighting**

**Singapore Sentosa Resort spent a fortune doing it, now you can do it too at a fraction of that price by your pool side or garden!**

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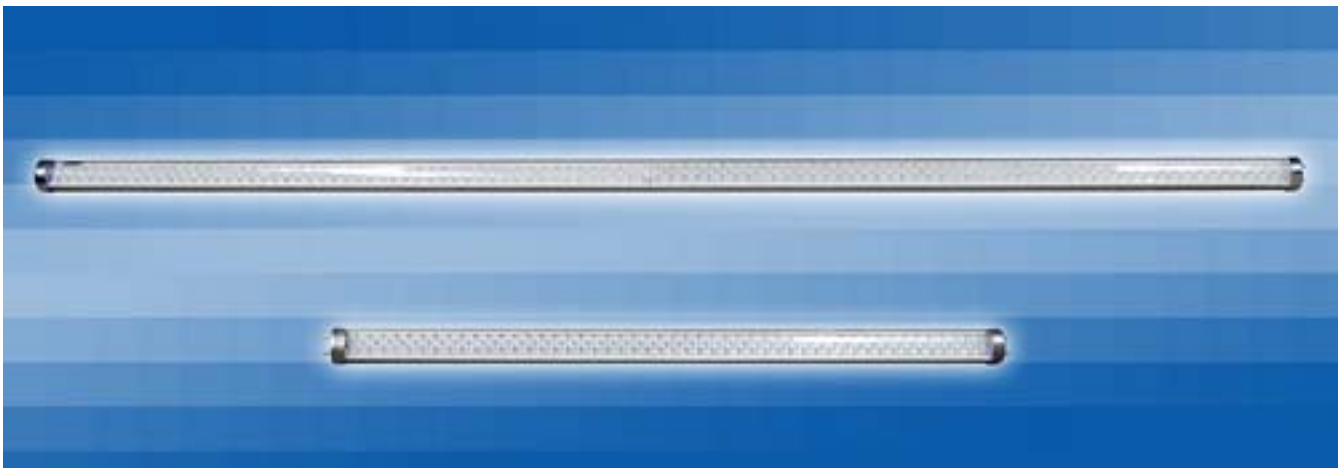
**On Top of Saving Energy and Cooling the Environment, Why Trouble Our Life and Waste Resources Keep Changing Lamp, Ballast, Starter and Capacitor ?**

**Use Long Life 1W to 24W T8/T10 LED Lamp Instead and Save Energy by 70%  
or**

**Make Fluorescent Tube more efficient with Ai Energy Saver and Ai E/Starter  
To Save 38% Energy and prolong tube life up to 4 times Longer**



T10 LED Lamp for DIY Direct Retrofit Replacement of 10W to 58W Fluorescent Tube and Beyond



Choice of Any Length, Fixture, Diffuser, Color and Dimming Control: T10 LED Lamp up to 50W

## **Features & Benefits**

- *Good for New Installation: Save Cost of Ballast, Capacitor, Starter, Reflector, Wiring and even Fixture.*
- *Significant Heat Reduction over T5 or T8 Fluorescent Lamp (LED 40°C vs 80°C to 90°C Fluorescent)*
- *Huge Energy Saving (as high as 70% for 36W Fluorescent Lamp)*
- *Save 70% Energy yet yield 30% more Brightness than Fluorescent (14W T8 LED vs 36W Fluorescent)*
- *Very Long Life Span thus Maintenance Free. Saving Maintenance Labour Cost (50,000 to 80,000 hours)*
- *No wiring, DIY Direct Plug-in Replacement (Just Remove the Fluorescent Lamp Starter)*
- *No more Fluorescent AC Flicking that affect Eye Health. No Harmful UV & Mercury and Shatter Proof*
- *Preserved Picture, Wall Paint Colors and Skin from long term damaging Fluorescent Lamp UV Ray*
- *1 T8/T10 LED Lamp = 8 Fluorescent Lamps (i.e. cheaper in the long run)*
- *Optional Built-in: ON/OFF/Dimming Directly by Conventional Halogen / Incandescent Lamp Dimmer*
- *Allow 0 to 100% dimming and flashing with Built-in Controller without shortening life span*
- *Remote & Music Control ON/OFF/Dimming/Dancing/ColorMix with Integrated LED Controller Box*

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**Highly Recommended! The Best of All LED Lamps! Call to Find Out More and Why Circular and PL Fluorescent Lamp or Circular and PL LED Lamp ?**



**VS**



**22/32/40W Circular Fluorescent Lamp**

Complete Lamp Diameter 22W:280mm, 32W:380mm

**8/11/14W Circular LED Lamp**

Complete Lamp Diameter 220mm

No saving for new installation due to light fitting cost	New installation for the complete lamp is cheaper
Different power rating need different fitting	One light fitting for all, exchangeable & upgradeable
Life Span: Usually less than 5000 hours	Life Span: 80,000 hours
22, 32, 40W consume power 30, 42, 52W respectively	Consume only 8, 11 and 14W respectively
Required ballast and starter	No requirement thus save cost
Need Earth Wire	No requirement thus save labour and cost
Mostly used in home due to short life span and its size	No more restriction, thus can now be used in office
When drop or break endanger life due to glass & mercury	No issue
Have to stock 3 different bulb for frequent replacement	No issue
Starter and plastic fitting easier disintegrate after time	No issue
Emit harmful UV against skin and wall paint or picture	No issue
Magnetic ballast blink start, electronic ballast short life	Best for both: Instant start and long life
Generate higher heat causing air-con to use more energy	Generate much lesser heat
Incorporate motion detector would reduce life span	Incorporate motion detector would not reduce life span
Cannot dim	Dimmable with optional built-in or external controller
Single Color	Multi-color version available
Waste up to 60% energy	Save up to 80% energy over fluorescent
Bigger size, more power yet half the brightness of LED	Smaller size, use less power yet up to 2 times brighter

9, 11, 13, 18, 26W Fluorescent PL Lamp can be directly replaced by 3, 4, 5, 7, 12W LED PL Lamp, respectively



**Same Size Direct Plug-in Replacement**

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