FOCUS INDUSTRIES®

GO GREEN
We Are LED

LED ILLUMINATION

Retrofit — 12v-277v — **R**

Module — 12v-277v — **M**

Flat Panel — 12v-277v — **P**

Strip — 12v-277v — **S**

Why Choose FOCUS for LED?

• FOCUS' proprietary **LED** technology is superior to other exterior **LED** lighting products because of our ability to match the warm white color of halogen bulbs and our consistent light output over a wide range of input voltages.

• Now with 4 different types of technologies; **Retrofit, LED Modules, Flat Panel LED & LED Strip**, FOCUS offers you more **LED** solutions than anyone else.

• No special installation or wiring is required with FOCUS Plug & Play **LED's**. It is as easy as changing the light bulb.

• FOCUS **LED's** are manufactured to our specification for a consistent color range of 2700K - 3000K.

• We offer a complete line of **LED** products including fixtures, light sources and transformers.

• FOCUS **LED's** are designed to be used in outdoor environments in any climate as well as indoor applications.

• Designed for fully enclosed fixtures

Energy Efficient and Environmentally Friendly

• Long Term Cost Savings - **LED's** on average use 75% less energy than traditional incandescent or halogen bulbs.

• Have More Fixtures and Use Less Power - FOCUS **LED** transformers are smaller so they use less power and are designed to allow for 4 to 5 times more fixtures per run.

• FOCUS **LED's** offer up to 50,000 hours average life compared to 2,000 hours for a regular halogen bulb. Not having to replace halogen light bulbs frequently will save you both time and money.

• Environmentally Friendly - **LED's** are mercury free.

CUSTOM TREE LIGHTING SYSTEMS

LEDSOLUTIONS

NEW COMMERCIAL GRADE POST MOUNT LED AREA LIGHTS
24" or 36" height Heavy Duty 3" diameter posts in aluminum or brass with steel U-bracket for concrete mounting, or angle cut post ABS.
Available with 15w or 20w Module or 7w Arrow MR16 LED
Internal 12v, 120v, 240v or 277v LED Drivers

Catalog #	Height (H)	Width (W)	Std. Mat.	Opt.	Lamp
AL-04CP24-LM/MRBLT	24.00"	7.50" dia.	alum.	brass	LEDM/ MR16LED
AL-04CP36-LM/MRBLT	36.00"	7.50" dia.	alum.	brass	LEDM/ MR16LED
AL-06CP24-LM/MRBLT	24.00"	5.50" dia.	alum.	brass	LEDM/ MR16LED
AL-06CP36-LM/MRBLT	24.00"	5.50" dia.	alum.	brass	LEDM/ MR16LED
AL-15CP24-LM/MRBLT	24.00"	8.00" dia.	alum.	brass	LEDM/ MR16LED
AL-15CP36-LM/MRBLT	36.00"	8.00" dia.	alum.	brass	LEDM/ MR16LED
AL-17CP24-LM/MRBLT	24.00"	8.00" dia.	alum.	brass	LEDM/ MR16LED
AL-17CP36-LM/MRBLT	36.00"	8.00" dia.	alum.	brass	LEDM/ MR16LED

AL-05-CP24MR-BRS   AL-12-CP24MR-BAR   AL-15-CP24MR-BAV   AL-17-CP24MR-BAT

AL-17-LEDPWBR

Flat Panel LED's

Newly Engineered
For Use With 4w LED Panel

The Most Efficient LED Area Lighting On The Market

4w | 300 Lumens
Optional 120v to 277v*
12v Internal Driver Supplied
4w Is Brighter Than a 20w Halogen
Available in 3000K Warm White or 5200K Cool White
50,000 Hour Round LED Panel
5 Year Warranty

*Must use FA-26 mounting post or junction box for 120v-277v applications

AVAILABLE ON THE FOLLOWING FOCUS AREA LIGHT MODELS

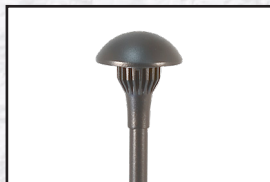AL-01-LEDP-BAR   AL-01SM-LEDP-BRS   AL-03-LEDP-BLT (All Models) **   AL-04-LEDP-BAR   AL-05-LEDP-BRS

AL-06-LEDP-BRS   AL-06SM-LEDP-BLT   AL-04-LEDPBRT   AL-09-LEDP-BAV   AL-10LGP-LEDP-BAV

AL-12-LEDP-BRS   AL-14-LEDP-BAV   AL-15-LEDP-BAR   AL-15SM-LEDP-BAV   AL-15-LEDP-BRT

AL-05-LEDPBAV   AL-17-LEDP-WBR   AL-17SM-LEDP-BRS   AL-17SM2-LEDP-BAV   AL-01-LEDPBAT

NEW COMMERCIAL GRADE POST MOUNT LED PATH LIGHTS

Heavy Duty 2" x 4" Galvanized Steel posts for mounting in poured concrete.
Available with one light fixture (180°) or two light fixtures (360°) and multiple LED light sources.
Internal 12v, 120v, 240v or 277v LED Drivers

PL-24-18 LED3WTX	PL-24-182 LED3WTX	PL-24-07 LED3BRT	PL-24-072 LED3BRT	PL-24-07SM LED3BRT	PL-24-07SM2 LEDMBRT

Flat Panel LED's

Newly Engineered
For Use With 4w LED Panel
The Most Efficient LED Path Lighting On The Market

4w | 300 Lumens
Optional 120v to 277v*
12v Remote Driver Supplied
4w Is Brighter Than a 20w Halogen
Available in 3000K Warm White or 5200K Cool White
50,000 Hour Round LED Panel
5 Year Warranty

*Must use FA-26 mounting post or juntion box for 120v-277v applications

PL-22-LEDP-BAR

AVAILABLE ON THE FOLLOWING FOCUS PATH LIGHT MODELS

PL-01-LEDP-BLT

PL-03DC-LEDP-BAT

PL-04-LEDP-BLT

PL-05-LEDP-BRS

PL-09-LEDP-BAR

PL-11-LEDP-BRS

PL-12-LEDP-BRT

PL-20-LEDP-WBR

PL-21-LEDP-WIR

PL-22-LEDPBAR

PL-23-LEDP-BAR

PL-01-LEDP-BLT

PL-09-LEDP-BAV

3 Lens Options:
Clear (Std.) | Sand Blast reduces light output by 10%; warms to 2900K
White reduces light output by 20%; warms to 2700K

LEDSOLUTIONS

The entire line of FOCUS Area & Path Lights are LED NOW.

Using our 3 watt Omni-3 SUPER SAVER **LED** every FOCUS area light is now an **LED** area light. Omni-3 Retrofit technology allows for retrofitting most single contact & bi-pin fixtures in the field.
The Omni-3's water resistant proprietary design combined with up to 50,000 hours average rated life will provide over 22 years of maintenance free performance (based on 6 hours per night). The **LED's** energy efficiency allows for multiple area / path lights, creating beautiful lighting effects on any surface. The Omni is equivalent to a 20w JC Halogen Bulb. Dimmable on low voltage transformers.

PL-20-L12WBR

AL-15-AH-L12-BAR

AL-04-L12-COP
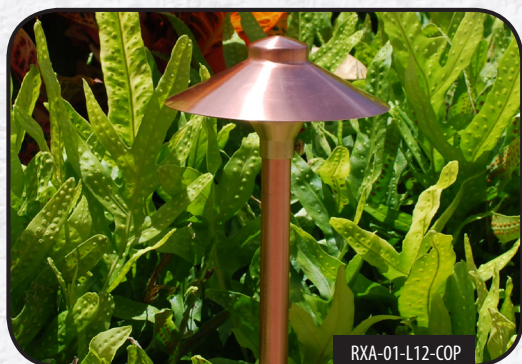
RXA-01-L12-COP

PL-19-L12-BAR

PL-21-NB-L12-BAT

RETROFIT

All FOCUS single contact or bi-pin area and path lights can be retofitted to energy efficient LED using one of our Omni-3 LED Light Sources:

For Single Contact Fixtures choose either the 3w Omni, Omni-Super Saver or Omni-Super Saver G2 Series
For Bi-Pin Fixtures choose either the the 3w Omni-BP, Omni-Super Saver-BP or Omni-Super Saver G2 BP Series.
When space is a concern choose the low profile Omni-2-Mini Bi-pin that retrofits easily in even the tightest spaces
For 120v Fixtures choose the 3w Omni-120v Bi-pin.

Whatever the application Focus has an LED perfect for the job.

Unsurpassed performance, quality and energy efficiency available in MR16 12 volt and most 120 volt fixtures.

The ARROW **LED's** can be used in all FOCUS MR16 fixtures. The 3w /5w/or 7w versions are the answer to any directional lighting need, up or down. Our new **LED** Modules & Flat Panels offer even more directional flood & spot lighting capabilities.

RXD-01-L24-BAR

DL-45-LEDM15-BAR

LFL-01-LEDP8120V-BLT

RXD-08TAC-L24-BRS

DL-43-LEDM11-BAR

DL-15-SM-LEDP-CPR

GO*GREEN*

RETROFIT

All FOCUS MR16, MR11, MR8 PAR20/30/38 & AR111 directional lighting can be retofitted to energy efficient LED using one of our ARROW LED Light Sources:

For MR16 Fixtures choose either the 3w/5w/7w 40,000 Hour Arrow Super Saver MR16 Light Sources
For MR11 Fixtures choose the 3w 40,000 Hour Arrow Super Saver MR11 Light Source.
For MR8 Fixtures choose the 1.5w 25,000 Hour Arrow MR8 Light Source.
For PAR Fixtures choose either the 8w PAR20,12w PAR30 or 15w PAR38 50,000 Hour Arrow Light Sources.
For AR111 Choose the 10w 50,000 Hour Arrow AR111 Light Source.
All retrofit LEDS offer multiple beam spreads

MODULE

The following FOCUS directional lighting fixtures can be ordered with LED Module technology:

The **DL-42-LEDM7, DL-43-LEDM11, DL-45-LEDM15, DL-46-LEDM20** are a 7w, 11w, 15w, 20w 50,000 Hour LED Module light sources, which replace 35w, 50w, 75w or 100w halogen equivalents. All are available with inteterchangeable 15˚/40˚/60˚or 160˚ (no lens) Wide Flood optics packages.

| 15˚ | 40˚ | 60˚ |

15˚/40˚/60˚Optics for 7w-20w Modules

FLAT PANEL

The following FOCUS directional lighting can be ordered with LED Flat Panel technology:

The **LFL-01-LEDP8** Flood is a 8w 50,000 Hour LED Flat Panel light source which replaces a 50w-75w light fixture or 13w CFL

The **LFL-01-LEDP12** Flood is a 12w 50,000 Hour LED Flat Panel light source which replaces a 100w light fixture or 2x 13w CFL

The **DL-15-LEDP** and the smaller profile **DL-15SM-LEDP** are 4w 50,000 Hour LED Flat Panel light sources that replace 20w-35w fixtures

All Focus Flat Panel LEDS can be ordered in 3000K Warm White or 5200K Cool White to adapt to any lighting requirement and are UL8750 recognized components

Note: All FOCUS LED's are for use with a magnetic power supply only. LED Module, MR16, MR11 AR111 & PAR series LED's must be installed in a sealed fixture. Non-dimmable. DOE LM79 tested / LM80 compliant. Power factor >90%

WELL LIGHTING   12v-277v

Unobtrusive in-grade LED lighting solutions able to reach the tallest tree tops and architecture with unmatched energy savings.

Uplighting with familiar 36° flood (BAB) & 15° spot (ESX) takes the guess work out of **LED** well lighting.

SL-20-MDL-L150 w/FA-135-MD-BLT

SL-20-MD-L-LEDM7-BRS

The **SL-20-MD-L-LEDM Series** is available with a 7w,11w,15w or 20w 50,000 Hour LED Module light source & intergrated driver which replaces a 35w-75w Halogen source. It is available with inteterchangeable 15°/40°/60°or160° (no lens) Wide Flood optics packages.

15°, 40° & 60° Optics for Modules

SL-20-MD-L-LEDM7-BRS

UNDERWATER LIGHTING   12v

Take your waterscapes lighting to the next level.

All Focus underwater lights are **LED NOW**.
SL-11LEDM : 7w,11w,15w or 20w LED Modules
4 beam spreads 15°, 40°, 60°, or WF (160° wide flood)
Equal to 35w, 50w, 75w or 100w Halogen MR16 & PAR36
SL-33-LED : 3w/5w or 7w Arrow Super Saver LED
SL-40-LED : 3w MR11 Arrow Super Saver LED

SL-11-LEDM Aiming Bracket & Angle Collar
SL-11-LEDM
SL-11-ABLEDM
SL-11-ABACLEDM
SL-40-AB-AC-L68-BAT
NEW

SL-33-AB-AC-L24-BAT

Along with the ARROW Retrofit system, you can use any FOCUS colored or beam control lens to create beautiful & dramatic water effects.

OMNI SUPER SAVER LED

- 12v SC single contact bayonet base (ba15s) or G4 bi-pin
- 120v G4 bi-pin GY6.5
- Omni-directional beam (360˚ horizontal, 320˚ vertical)
- 3000K warm white
- High CRI ~ 80 (color rendering index)
- Superior performance in outdoor environments
- No glass or fragile parts
- Water resistant (IP67)
- 40,000/50,000 hours average rated life
- Must be powered by magnetic transformer (12v)
- 5 year limited warranty
- DOE LM79 tested
- Lighting Facts Listed
- Clean beam spread with zero striations or hot spots
- Dimmable on low voltage transformers
- Turtle Friendly amber options available (see page 14)

TURTLE FRIENDLY

Omni-3
3w/12v

Omni-3 BP
3w/12v

Omni-3 SS
3w/12v

Omni-3 BP SS
3w/12v

Omni-3 SSG2
3w/12v

Omni-3 BP SSG2
3w/12v

Omni-3 SS120V
3w/120v

Omni-2 MINI BP
2w/12v

Part Number	Description	Volts	Watts	Lumens	Hours	L#
FL-LED-OMNI2MINIBP	Mini LED BP	12	2	180	40,000	L4
FL-LED-OMNI3BP	Omni-3 LED BP	12	3	160	50,000	L6
FL-LED-OMNI3	Omni-3 LED	12	3	180	50,000	L8
FL-LED-OMNI3SSBP	Omni-3 SS LED BP	12	3	300	50,000	L10
FL-LED-OMNI3SS	Omni-3 SS LED	12	3	300	50,000	L12
FL-LED-OMNI3G2SSBP*	Omni-3 SS LED BP G2	12	3	270	50,000	L14
FL-LED-OMNI3G2SS*	Omni-3 SS LED G2	12	3	270	50,000	L16
FL-LED-OMNI3120SSBP	Omni-3 SS GY6.35 LED	120	3	380	50,000	L160

* For TURTLE FRIENDLY add -TF to part number / See page 14 for more details

LEDSOLUTIONS

ARROW SUPER SAVER LED

FOCUS

- High power LED light source
- MR16 offers 3 popular beam spreads:
    15˚, 36˚, 80˚
- 3000K warm white
- High CRI ~ 83 (color rendering index)
- 40,000 hours average rated life / 25,000 hours (MR8)
- Cool beam, low heat produced
- Must be powered by magnetic transformer (12v)
- Must be installed in a sealed fixture
- 5 year limited warranty on LED components
- 3 year limited warranty (MR8)
- DOE LM79 tested. LM80 compliant • RoHS compliant
- Turtle Friendly amber options available (see page 14)

TURTLE FRIENDLY

Arrow MR16
3w/12v

Arrow MR16
3w/120v

Arrow MR16
5w/12v

Arrow MR16
5w/120v

Arrow MR16
7w/12v

Arrow MR16
7w/120v

Arrow MR8
2w/12v

Arrow MR11
3w/12v

Arrow Par16
7w/120V

Green Creative
8.5w/12v

Part Number	Description	Volts	Watts	Lumens	Hours	L#
FL-LED-MR8NL	MR8 GU4, 120˚	12	2	65	25,000	L74
FL-LED-MR11SS/15/40	MR11 GU4 BP 15˚/40˚	12	3	300	40,000	L66/L68
FL-LED-MR16SS3W/15/36/80	MR16 5.3 BP 15˚/36˚/80˚	12	3	270	40,000	L22/L24/L26
FL-LED-MR16SS5W/15/36/80*	MR16 5.3 BP 15˚/36˚/80˚	12	5	450	40,000	L34/L36/L38
FL-LED-MR16SS7W/15/36/80	MR16 5.3 BP 15˚/36˚/80˚	12	7	550	40,000	L46/L48/L50
FL-LED-MR16GC85D15/35	MR16 5.3 BP 15˚/35˚	12	8.5	580	25 ,000	L58/L60
FL-LED-MR16SS1203W/15/36/80	MR16 GU10 BP 15˚/36˚/80˚	120	3	270	40,000	L106/L108/L110
FL-LED-MR16SS1205W/15/36/80*	MR16 GU10 15˚/36˚/80˚	120	5	450	40,000	L114/L116/L118
FL-LED-MR16SS1207W/15/36/80	MR16 GU10 15˚/36˚/80˚	120	7	550	40,000	L124/L126/L128
FL-LED-P1636	E26 MED. BASE PAR16, 36˚	120	7	550	40,000	L134

* For TURTLE FRIENDLY add -TF to part number (5w, 36˚ only) / See page 14 for more details

PAR36/AR111 SERIES

- G53 Quick Connect base (12v AR111)
- High power LED light source
- 2 popular beam spreads (AR111): 40˚ /15˚
- 4 popular beam spreads (PAR36): 60˚/40˚ /24˚/15˚
- 3000K Halogen like color
- High CRI ~ 85 (color rendering index)
- Operates on 12v AC/DC systems
- Operating range of 8v - 18v (optimum 10v-15v)
- 50,000 hours average rated life
- Cool beam, low heat produced
- Must be powered by magnetic transformer
- Must be installed in a sealed fixture
- 5 year limited warranty on LED components
- DOE LM79 tested. LM80 compliant
- PAR36 is water resistant (IP67)

AR111
15w/12v

PAR36
10w/12v

PAR20/30/38 SERIES

- High power LED light source
- 2 popular beam spreads:
    - 40˚
    - 15˚ Spot
- 3000K Halogen like color
- High CRI ~ 85 (color rendering index)
- Operates on 120v AC/DC systems
- Operating range of 110v-277v
- 50,000 hours average rated life
- Cool beam, low heat produced
- Must be installed in a sealed fixture
- 5 year limited warranty on LED components
- DOE LM79 tested. LM80 compliant

PAR30
12w/120v-277v

PAR20
8w/120v-277v

PAR38
15w/120v-277v

Part Number	Description	Volts	Watts	Lumens	Hours	L#
FL-LED-AR111SS15-15	AR111, 15˚	12	15	1350	50,000	L96
FL-LED-AR111SS15-40	AR111, 40˚	12	15	1350	50,000	L98
FL-LED-PAR36-1015	PAR36, 15˚	12	10	400	50,000	L84
FL-LED-PAR36-1024	PAR36, 24˚	12	10	400	50,000	L86
FL-LED-PAR36-1040	PAR36, 40˚	12	10	400	50,000	L88
FL-LED-PAR36-1060	PAR36, 60˚	12	10	400	50,000	L90
FL-LED-P20SS15	PAR20, 15˚	120	8	720	50,000	L140
FL-LED-P20SS40	PAR20, 40˚	120	8	720	50,000	L142
FL-LED-P30SS15	PAR30, 15˚	120	12	1080	50,000	L148
FL-LED-P30SS40	PAR30, 40˚	120	12	1080	50,000	L150
FL-LED-P38SS15	PAR38, 15˚	120	15	1350	50,000	L156
FL-LED-P38SS40	PAR38, 40˚	120	15	1350	50,000	L158

LEDSOLUTIONS

LED MODULE SERIES

M

3w | 7w | 11w | 15w | 17w | 20w LED Modules

- 3 w LED module (150 Lumens)
- 7 w450 Lumens,11w -600 Lumens, 15w-900 Lumens
  20w -1500 Lumens, 17w -1800 Lumens (120v)
- Optional optics for 15° Spot, 40° Flood, 60° Flood 160°
  Wide Flood (no optic)
- 2800K Warm White
- High CRI ~ 85 (color rendering index)
- On board driver (low voltage AC/DC)
- Superior performance in outdoor environments
- No glass or fragile parts
- 50,000 hours average rated life
- Must be powered by magnetic transformer
- 5 year limited warranty on LED components
- DOE LM79 tested. LM80 compliant

  3w Module For use in the following fixtures:
  SL-07-SM / PL-17-LEDM, DL-09SM-LEDM

  7w Module For use in the following fixtures:
  DL-42 / SL-20SM-LEDM / SL-20MD-LEDM / SL-11-LEDM

  11w Module For use in the following fixtures:
  DL-43 / SL-20MD-LEDM / SL-11-LEDM

  15w Module For use in the following fixtures:
  DL-45 / SL-20MD-LEDM/ SL-11-LEDM

  20w Module For use in the following fixtures:
  DL-46 / SL-20MD-LEDM/ SL-11-LEDM

  17w (120v) Module For use in the following fixtures:
  DL-50 / SL-20MD-LEDM
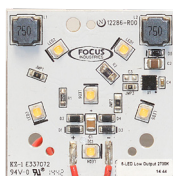
15w module shown
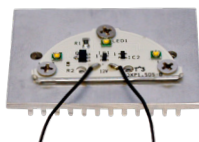
**7w,11w,15w,17w,20w
LED MODULES 12v**

3w LED MODULE 12v

15°, 40° & 60° Optics for Modules

FLAT PANEL SERIES

P

FOCUS LED PANELS ARE **UL 8750** LISTED

2w | 4w | 5w | 8w | 12w Flat Panel LEDS

- 4 watt flat panel LED (350 Lumens, 380 at 52K)
- 4 watt round flat panel LED (300 Lumens, 320 at 52K)
- 5 watt flat panel LED (350 Lumens, 380 at 52K)
- 8 watt flat panel LED (630 Lumens, 680 at 52K)
- 8 watt round flat panel LED (630 Lumens, 680 at 52K)
- 12 watt flat panel LED (1080 Lumens, 1160 at 52K)
- 3000K Warm White or 5200K Cool White color
- High CRI ~ 85 (color rendering index)
- Operates on 12v AC/DC systems
- Operating range of 9v-18v (optimum 10v-15v)
- External driver
- Optional drivers for 120v-277v applications
- 50,000 hours average rated life
- Superior performance in outdoor environments
- Must be powered by magnetic transformer
- 5 year limited warranty on LED components

a)

b)

c)

d)
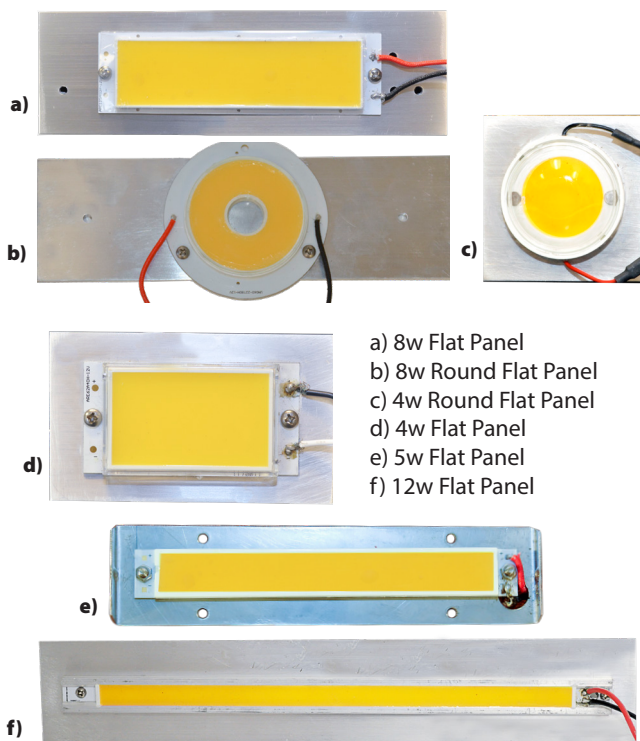
a) 8w Flat Panel
b) 8w Round Flat Panel
c) 4w Round Flat Panel
d) 4w Flat Panel
e) 5w Flat Panel
f) 12w Flat Panel

e)

f)

| LED Panels	Dimensions	Volts	Watts	Lumens	Hours	Color
FL-LEDP-4W35001/ FL-LEDP-4W5235001	4.00" x 2.75"	12v-277v	4	350/380	50,000	3000k or 5200k
FL-LEDP-4W35002/ FL-LEDP-4W5235002	2.50" x 2.50"	12v-277v	4	300/320	50,000	3000k or 5200k
FL-LEDP-5W350011/ FL-LEDP-5W52350011	7.00" x 1.00"	12v-277v	5	350/380	50,000	3000k or 5200k
FL-LEDP-8W70001/ FL-LEDP-8W5270001	8.00" x 2.75"	12v-277v	8	630/680	50,000	3000k or 5200k
FL-LEDP-8W70002/ FL-LEDP-8W5270002	8.00" x 3.75"	12v-277v	8	630/680	50,000	3000k or 5200k
FL-LEDP-12W/FL-LEDP12W52	12.2" x 2.75"	12v-277v	12	1080/1160	50,000	3000k or 5200k

Warm 2700K - 3000K color to accent the beauty of any outdoor living area using 75% less energy.

Your families gathering places and outdoor kitchens deserve to be illuminated with beautiful color that does not interfere with the setting.

Long life and low energy costs allow for multiple lighting applications for safety, security and beautification, all night long.

SL-07-L12-BRS

2w LED Strip
SL-42SM2-LEDS-BRS

SL-16-MR16-L24-BAR

4w LED Strip
SL-42LG-LEDS-BAR
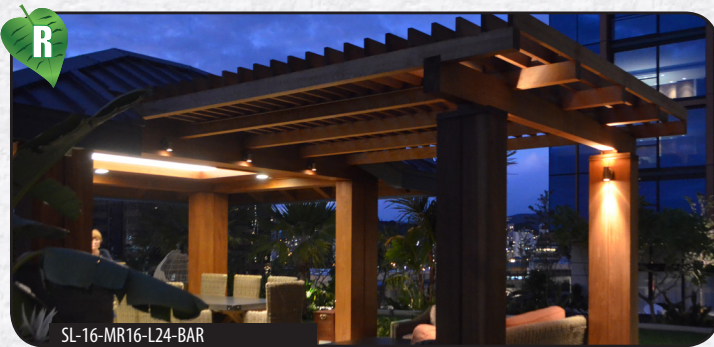
Why sacrifice the traditional warm white color for artificial LED blue color when you can use FOCUS LED Strip technology?

2w LED Strip — SL-44-LEDS-CAR
2w LED Strip — SL-42-LEDS-CAR
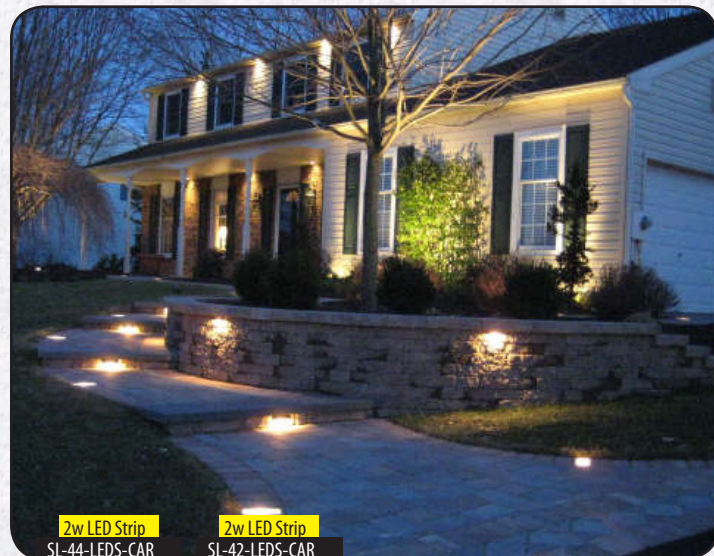
LED PAVER & LEDGE LIGHTS

The following FOCUS hardscape lighting can be ordered with waterproof LED Strip technology:

The **SL-44-LEDS, SL-4444-LEDS, SL-4466-LEDS & SL-4469-LEDS,** (4'x 8", 4"x 4", 6"x 6" & 6"x 9" paver lights) features a 2w 40,000 Hour LED Strip light source which replaces a 10w Halogen.

The LED Strip can also be ordred as an easy **in field retrofit kit** for upgrading currently installed Focus Paver Lights:

Part # **FA-SL-44-LEDSKIT**

The **SL-42-LEDS** & The smaller profile **SL-42SM2-LEDS** ledge lights are 2w 40,000 Hour LED Strip light sources which replace a 10w Halogen. The **SL-42LG-LEDS** is a 4w, 40,000 Hour LED Strip which replaces a 20w Halogen.

4w LED Strip
SL-42LG-LEDS-BAR

NEW

LEDSOLUTIONS

4w LEDP

5w LEDP

SL-50-LEDP-CAM

SL-17AL-LEDP-WBR
4w/ 50,000 hr LED

**ONLY
.90"
DEEP**

SL-50-LEDP/ SL-50-LEDP52
No back box required
7.25" (W) x 2" (H) x 1.125" (D)
• 5w 12v DC integrated flat panel LED
• 3000K Warm White or 5200K Cool White
• 50,000 Hour LED Panel / 5 Year Warranty
• Exterior driver included

**ONLY
1.125"
DEEP**

4w LEDP

SL-17-LEDP-BRT
4w/ 50,000 hr LED

**ONLY
1.20"
DEEP**

SL-08-LEDP-WBR

8w LEDP

SL-08-LEDP/ SL-08-LEDP52
No back box required
8.25"(W) x 3.25" (H)x .875"(D)
• 8w 12v DC integrated flat panel LED
• 3000K Warm White or 5200K Cool White
• 50,000 Hour LED Panel / 5 Year Warranty
• Exterior driver included

**ONLY
.875"
DEEP**

4w LEDP

SL-30-LEDP-BAR
4w/ 50,000 hr LED

**ONLY
2.00"
DEEP**

3w LEDM

SL-07-SM-LEDM-BAR

8w LEDP

SL-08AL-LEDP-BAR
8w/ 50,000 hr LED

**ONLY
.625"
DEEP**

SL-07-SM-LEDM
No back box required
2.75" Ø x 1.50" (D)
• 3w 12v LED module (no socket)
• Equal to 20w halogen
• 3000K Warm White
• 50,000 Hour LED Panel / 5 Year Warranty
• On board integrated driver

**ONLY
1.50"
DEEP**

8w LEDP

SL-31-LEDP-WBR
8w/ 50,000 hr LED

**ONLY
1.75"
DEEP**
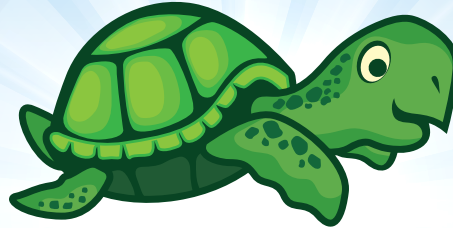
TURTLE FRIENDLY

5w MR16 Amber LED
3w S.C. Amber Omni LED
3w B.P. Amber Omni LED

0.7w Amber LED Strip
2w Amber LED Strip

Turtle Friendly
Omni LED's

Turtle Friendly
Arrow LED's

Turtle Friendly
LED Strips

Part Number	Description	Volts	Watts	Lumens	Hours	L#
FL-LED-OMNI3G2SSBPTF	Omni-3 SS LED BP G2	12	3	180	50,000	L17
FL-LED-OMNI3G2SSTF	Omni-3 SS LED G2	12	3	180	50,000	L18
FL-LED-MR16SS5W36TF	MR16 5.3 BP 36˚	12	5	150	40,000	L40
FL-LED-MR16SS1205W36TF	MR16 GU10 36˚	120	5	150	40,000	L119
FL-LEDS-SM07WTF	Led Strip	12	0.7	15	40,000	LEDS07WTF
FL-LEDS-SM2WTF	Led Strip	12	2	50	40,000	LEDS2WTF

LEDSOLUTIONS

SURFACE MOUNT | NO BACK BOX REQUIRED!

- 4.75" (W) x 3.00" (H) x .75-1.75" (D)
- 4w 12v DC integrated flat panel LED
- 350 Lumens / 380 Lumens 52K*
- 3000K Warm White or 5200K Cool White
- Remote Driver Supplied
- 50,000 Hour LED Panel / 5 Year Warranty
120v Option Available

SL-02-LEDP-CAM (Front)

4w, 50,000 hour LED Panel
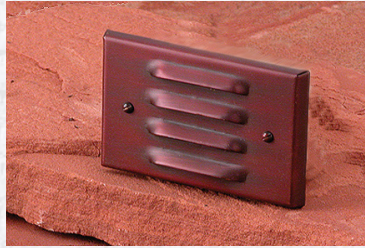
SL-02-LEDP-CAR

SL-021L-LEDP-CAM

ONLY .75"-1.75" DEEP

NO BACK BOX REQUIRED

SL-02AL-LEDP-COP

SURFACE MOUNT | NO BACK BOX REQUIRED!

- 9.25" (W) x 3.25" (H) x .75" -1.75"(D)
- 8w 12v DC integrated flat panel LED
- 630 Lumens / 680 Lumens 52K*
- 3000K Warm White or 5200K Cool White
- Remote Driver Supplied
- 50,000 Hour LED Panel / 5 Year Warranty
120v Option Available

SL-04-LEDP-RST (Front)

8w, 50,000 hour LED Panel

SL-04-LEDP-CAR

SL-04AL-LEDP-BRS

ONLY .75"-1.75" DEEP

NO BACK BOX REQUIRED

SL-041L-LEDP-WBR

* For 5200K add -52 to catalog # eg: SL-04-LEDP52-RST

SL-04AL-LEDPBRS
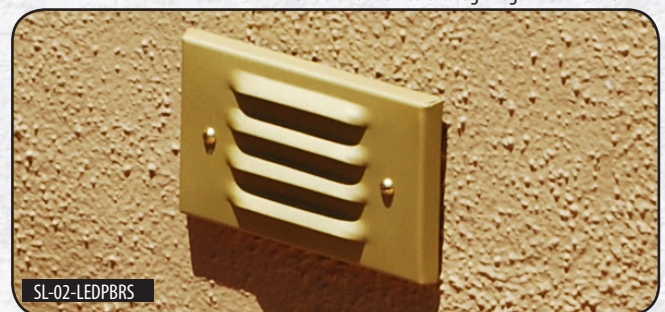
SL-02-LEDPBRS

8w LED Flat Panel Retrofit Kit

Simply Insert The Kit Directly Into Any Existing Back Box • For 50w Replacement
Available with 12v, 120v, 240v or 277v Drivers & 3000K Warm White or 5200K Cool White Color:
FA-LED-P812B (12v) FA-LED-P85212B (12v/52K) • FA-LED-P8120B (120v) FA-LED-P852120B (120v/52K)
FA-LED-P8277B (277v) FA-LED-P852277B (277v/52K)
Easily Retrofits into ANY Manufacturer's Brick Lights • 8w / 50,000 hours / 630 Lumens/680 Lumens 52K
Minimum Inside Dimensions of Back Box: 6.25" (w) x 2" (h) x 2.5 " (d)
Custom Brackets Available to Fit Larger Back Boxes
Must Be Installed in a Sealed Fixture

FOCUS LED PANELS ARE **UL 8750** LISTED

6"

1.75"

FL-LE-DP8W70001
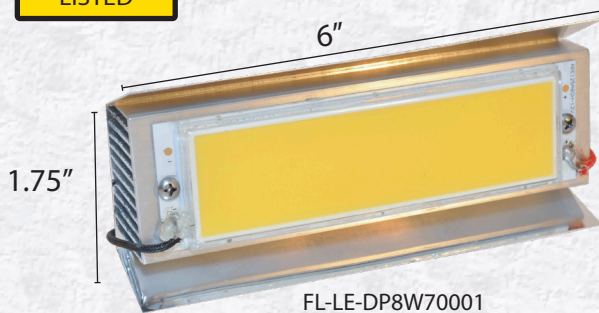
4w LED Flat Panel Retrofit Kit

Simply Insert The Kit Directly Into Any Existing Back Box • For 25w Replacement
Available with 12v, 120v, 240v or 277v Drivers & 3000K Warm White or 5200K Cool White Color:
FA-LED-P412S (12v) FA-LED-P45212S (12v/52K) • FA-LED-P4120S(120v) FA-LED-P452120S(120v/52K)
FA-LED-P4240S (240v) FA-LED-P452240S (240v/52K) • FA-LED-P4277S (277v) FA-LED-P452277S (277v/52K)
Easily Retrofits into ANY Manufacturer's Step Lights • 4w / 50,000 hours / 350 Lumens/ 380 Lumens 52K
(Minimum Inside Dimensions of Back Box: 4" (w) x 2" (h) x 2.5" (d)
Custom Brackets Available to Fit Larger Back Boxes
Must Be Installed in a Sealed Fixture

FOCUS LED PANELS ARE **UL 8750** LISTED

3.75"

1.75"

FL-LE-DP4W35001
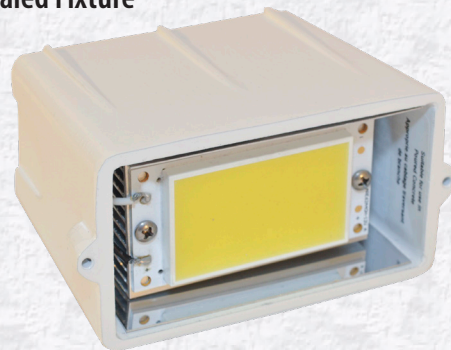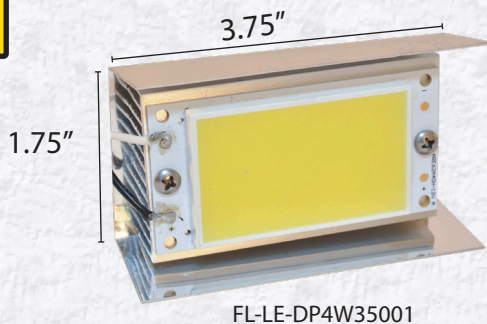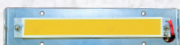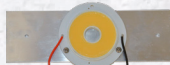
Custom LED Panel Step Light For The Pacific Amphitheatre, California

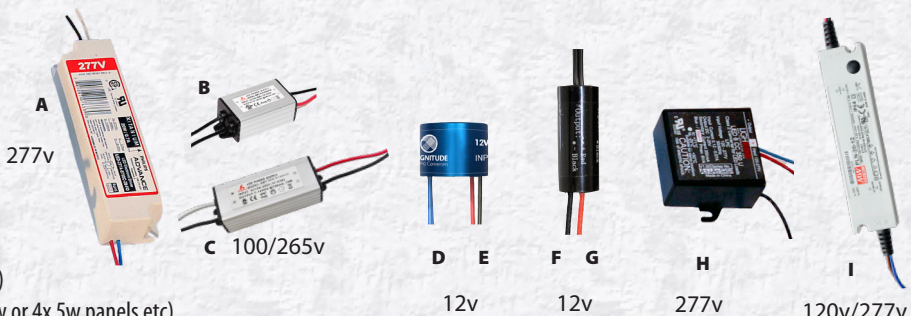Custom LED Panel Step Light for Loan Depot, Irvine California

LEDSOLUTIONS

Number	Description	Hours	Lumens
LED Panel Kits For Focus 120v Flood Lights			
FA-LE-DP8120FFL05	Reflector assembly with 8w LEDP for FFL-05/FFL-07 - 120v	50K	630
FA-LE-DP8120FFL13	Reflector assembly with 8w LEDP for FFL-13/FFL-26/FFL-09 - 120v	50K	630

3000K Warm White Standard for 5200K Cool White add **-52** to part number

Led Panels Universal Kits for Step and Brick Lights 12v/120v277v			
FA-LE-DP512B	Brick light reflector assembly w/ 5w LED Panel, 12v driver	50K	350
FA-LE-DP5120B	Brick light reflector assembly w/ 5w LED Panel, 120v driver	50K	350
FA-LE-DP5277B	Brick light reflector assembly w/ 5w LED Panel, 277v driver	50K	350

3000K Warm White Standard for 5200K Cool White add **-52** to part number

FA-LE-DP812B	Brick light reflector assembly w/ 8w LED Panel, 12v driver	50K	630
FA-LE-DP8120B	Brick light reflector assembly w/ 8w LED Panel, 120v driver	50K	630
FA-LE-DP8277B	Brick light reflector assembly w/ 8w LED Panel, 12v driver	50K	630

3000K Warm White Standard for 5200K Cool White add **-52** to part number

FA-LE-DP412S	Step light reflector assembly w/ 4w LED Panel, 12v driver	50K	350
FA-LE-DP4120S	Step light reflector assembly w/ 4w LED Panel, 120v driver	50K	350
FA-LE-DP4277S	Step light reflector assembly w/ 4w LED Panel, 277v driver	50K	350

3000K Warm White Standard for 5200K Cool White add **-52** to part number

Led Panels with Heat Sink Only 12v/120v277v

FL-LE-DP5W35001	5w LED Panel with aluminum heat sink, driver not included	50K	350

Driver Options:
HW-12-5350-12-LED	12v LED driver
HW-12-6350-120-LED	120v LED driver
HW-12-6350-277-LED	277v LED driver
HW-12-20MVLED	120v-277v driver for **multiple** panels

3000K Warm White Standard for 5200K Cool White add **-52** to part number

FL-LE-DP8W70001	8w LED Panel with aluminum heat sink, driver not included	50K	630

Driver Options:
HW-12-10700-12-LED	12v LED driver
HW-12-10700-120-LED	120v LED driver
HW-12-20MVLED	120v-277v driver for **multiple** panels

3000K Warm White Standard for 5200K Cool White add **-52** to part number

FL-LE-DP8W70002	8w LED Panel with aluminum heat sink, driver not included	50K	630

Driver Options:
HW-12-10700-12-LED	12v LED driver
HW-12-10700-120-LED	120v LED driver
HW-12-20MVLED	120v-277v driver for **multiple** panels

3000K Warm White Standard for 5200K Cool White add **-52** to part number

FL-LE-DP12W	12w LED Panel with aluminum heat sink, driver not included	50K	1080

Driver Options:
HW-12-121000-12-LED	12v LED driver
HW-12-20MVLED	120v-277v driver for **multiple** panels

3000K Warm White Standard for 5200K Cool White add **-52** to part number

FL-LE-DP4W35001	4w LED Rectangle Panel with aluminum heat sink, driver not included	50K	350
FL-LE-DP4W35002	4w LED Circular Panel with aluminum heat sink, driver not included	50K	300

Driver Options:
HW-12-5350-12-LED	12v LED driver
HW-12-6350-120-LED	120v LED driver
HW-12-6350-277-LED	277v LED driver
HW-12-20MVLED	120v-277v driver for **multiple** panels

3000K Warm White Standard for 5200K Cool White add **-52** to part number

FL-LE-DP2W35002	2w LED Circular Panel with aluminum heat sink, driver not included	50K	150

Driver Options:
HW-12-2165-12-LED	12v LED driver

3000K Warm White Standard for 5200K Cool White add **-52** to part number

DRIVERS

A) HW-12-20700-277-LED (277v driver for 8w panels)
B) HW-12-6350-120-LED (120v driver for 4w & 5w panels)
C) HW-12-10700-120-LED (120v driver for 8w panels)
D) HW-12-5350-12-LED (12v driver for 4w & 5w panels)
E) HW-12-10700-12-LED (12v driver for 8w panels)
F) HW-12-2165-12-LED (12v driver for 2w panels)
G) HW12-12100-12-LED (12v driver for 12w panel)
H) HW-12-6350-277-LED (277v drivers for 4w & 5w panels)
I) HW-12-20MVLED (120v/277v multi panel driver eg: 2x 8w or 4x 5w panels etc)

A 277v   B   C 100/265v   D E 12v   F G 12v   H 277v   I 120v/277v

**LED lighting facts** — LED Product Partner

HAWAII ENERGY CLEAN ENERGY ALLY

Easily convert any incandescent or fluorescent surface fixture to energy saving LED with FOCUS Surface LED Retrofit Kits

There are millions of energy wasting surface fixtures in hallways, corridors, stairwells and entrances that need to be replaced. **FOCUS** has the **LED SOLUTION.**

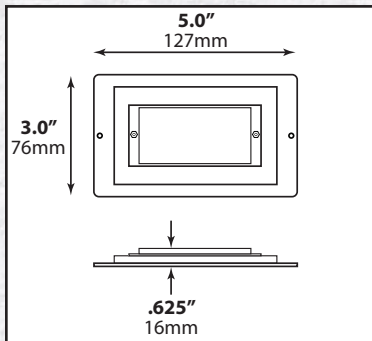### Available with 12v, 120v, 240v or 277v Drivers & 3000K Warm White or 5200K Cool White Color:

54w CFL
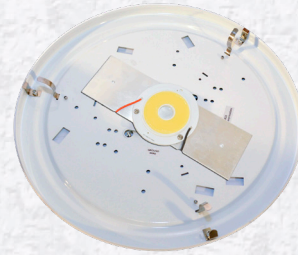
8w LED

If Used Outdoors; Must Be Installed in a Sealed Fixture

RFL-P-1-04-Q-30-0350-MVI-A

5.0" / 127mm
3.0" / 76mm
.625" / 16mm

- Voltage: 120v - 277v
- Total Watts: 6
- Lumens: 405
- Lumens Per Watt: 68
- CCT: 3000K
- CRI: 80
- LM79 tested
- LED Panel UL8750 Recognized Component
- One 4w 350mA LED Panel rated 50,000 hours (L7)
- Cool Beam, No UV or IR
- Non-Dimmable
- 5 Year Limited Warranty
- Remote Phosphor LED technology
- RoHS Compliant - Energy Efficient - Environmentally Friendly
- External multi-volt driver included (120v - 277v)
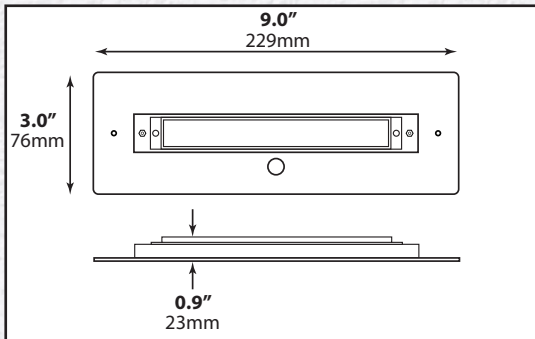- 3" x 5" mounting plate - custom mounting holes available
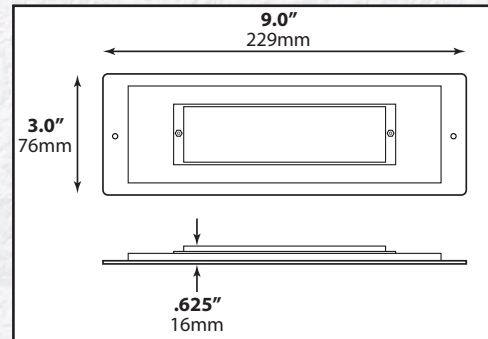
HW126350120VLED
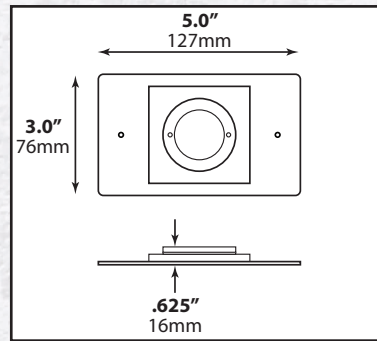
RFL-P-1-04-R-30-0350-MVI-A

5.0" / 127mm
3.0" / 76mm
.625" / 16mm

- Voltage: 120v - 277v
- Total Watts: 6
- Lumens: 440
- Lumens Per Watt: 73
- CCT: 3000K
- CRI: 79
- LM79 tested
- LED Panel UL8750 Recognized Component
- One 4w 350mA LED Panel rated 50,000 hours (L7)
- Cool Beam, No UV or IR
- Non-Dimmable
- 5 Year Limited Warranty
- Remote Phosphor LED technology
- RoHS Compliant - Energy Efficient - Environmentally Friendly
- External multi-volt driver included (120v - 277v)
- 3" x 5" mounting plate - custom mounting holes available

HW126350120VLED

LEDSOLUTIONS

9.0" 229mm
3.0" 76mm
0.9" 23mm

RFL-P-1-05-Q-30-0350-MVI-B

9.0" 229mm
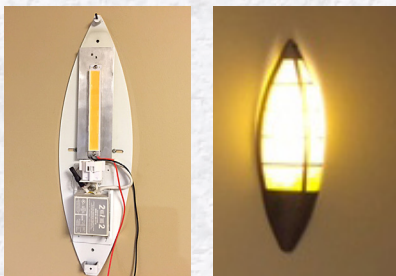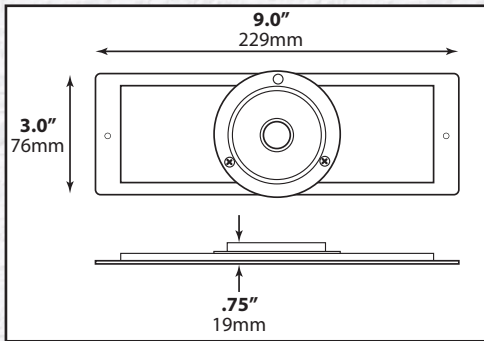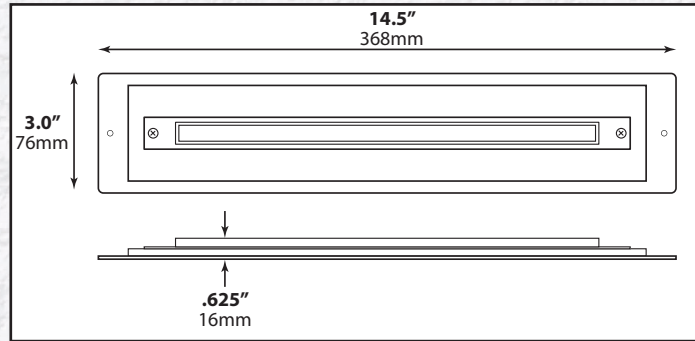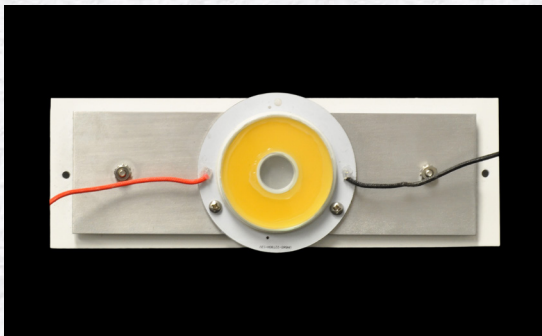**3.0"** 76mm
.625" 16mm

RFL-P-1-05-Q-30-0700-MVI-B

- Voltage: 120v - 277v
- Total Watts: 6
- Lumens: 410
- Lumens Per Watt: 69
- CCT: 3000K
- CRI: 80
- LM79 tested
- LED Panel UL8750 Recognized Component
- One 5w 350mA LED Panel rated 50,000 hours (L7)
- Cool Beam, No UV or IR
- Non-Dimmable
- 5 Year Limited Warranty
- Remote Phosphor LED technology
- RoHS Compliant - Energy Efficient - Environmentally Friendly
- External multi-volt driver included (120v - 277v)
- 3" x 9" mounting plate - custom mounting holes available

- Voltage: 120v - 277v
- Total Watts: 10
- Lumens: 780
- Lumens Per Watt: 78
- CCT: 3000K
- CRI: 80
- LM79 tested
- LED Panel UL8750 Recognized Component
- One 8w 700mA LED Panel rated 50,000 hours (L7)
- Cool Beam, No UV or IR
- Non-Dimmable
- 5 Year Limited Warranty
- Remote Phosphor LED technology
- RoHS Compliant - Energy Efficient - Environmentally Friendly
- External multi-volt driver included (120v - 277v)
- 3" x 9" mounting plate - custom mounting holes available

HW126350120VLED

HW-12-20MVLED

RFL-P-1-08-R-30-0700-MVI-B

RFL-P-1-12-Q-30-1000-MVI-E

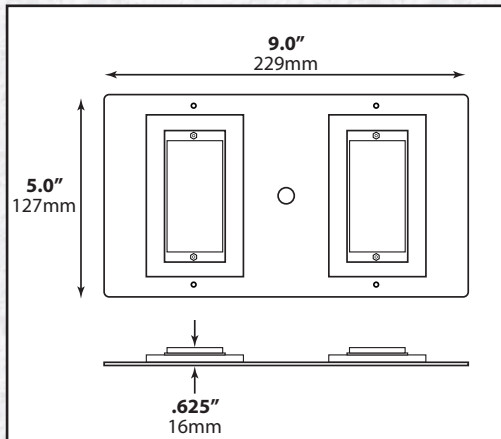- Voltage: 120v - 277v
- Total Watts: 8
- Lumens: 710
- Lumens Per Watt: 71
- CCT: 3000K
- CRI: 80
- LM79 tested
- LED Panel UL8750 Recognized Component
- One 8w 700mA LED Panel rated 50,000 hours (L7)
- Cool Beam, No UV or IR
- Non-Dimmable
- 5 Year Limited Warranty
- Remote Phosphor LED technology
- RoHS Compliant - Energy Efficient - Environmentally Friendly
- External multi-volt driver included (120v - 277v)
- 3" x 9" mounting plate - custom mounting holes available

- Voltage: 120v - 277v
- Total Watts: 12
- Lumens: 955
- Lumens Per Watt: 80
- CCT: 3000K
- CRI: 80
- LM79 tested
- LED Panel UL8750 Recognized Component
- One 12w 1000mA LED Panel rated 50,000 hours (L7)
- Cool Beam, No UV or IR
- Non-Dimmable
- 5 Year Limited Warranty
- Remote Phosphor LED technology
- RoHS Compliant - Energy Efficient - Environmentally Friendly
- External multi-volt driver included (120v - 277v)
- 3" x 14.5" mounting plate - custom mounting holes available


HW-12-20MVLED
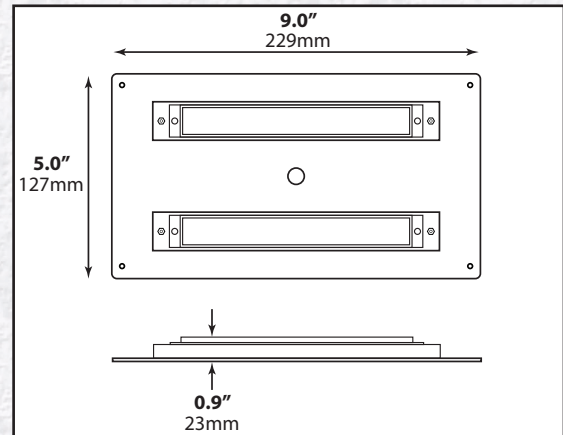
HW-12-20MVLED

LEDSOLUTIONS

RFL-P-1-05-Q-30-0350-MVI-B

- Voltage: 120v - 277v
- Total Watts: 8 (2x 4w)
- Lumens: 830
- Lumens Per Watt: 76
- CCT: 3000K
- CRI: 80
- LM79 tested
- LED Panel UL8750 Recognized Component
- Two 4w 350mA LED Panel rated 50,000 hours (L7)
- Cool Beam, No UV or IR
- Non-Dimmable
- 5 Year Limited Warranty
- Remote Phosphor LED technology
- RoHS Compliant - Energy Efficient - Environmentally Friendly
- 2 x external multi-volt drivers included (120v - 277v)
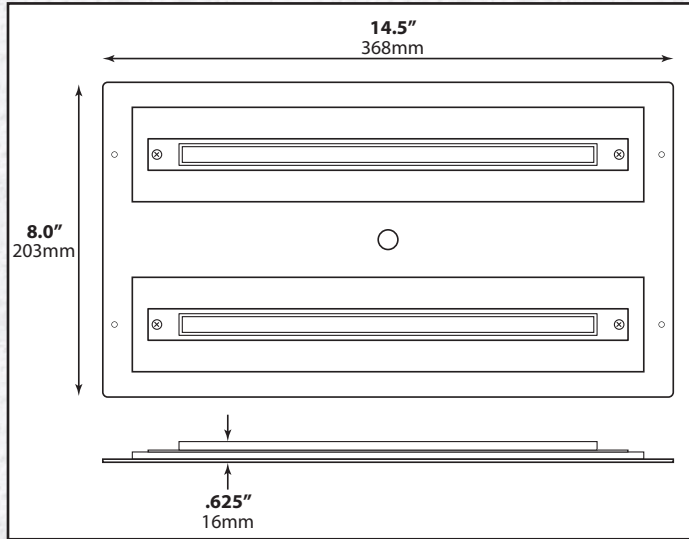- 5" x 9" mounting plate - custom mounting holes available
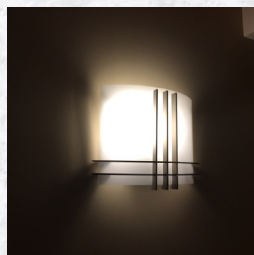
RFL-P-2-05-Q-30-0350-MVI-C

- Voltage: 120v - 277v
- Total Watts: 10 (2x 5w)
- Lumens: 890
- Lumens Per Watt: 81
- CCT: 3000K
- CRI: 80
- LM79 tested
- LED Panel UL8750 Recognized Component
- Two 5w 350mA LED Panel rated 50,000 hours (L7)
- Cool Beam, No UV or IR
- Non-Dimmable
- 5 Year Limited Warranty
- Remote Phosphor LED technology
- RoHS Compliant - Energy Efficient - Environmentally Friendly
- 2 x external multi-volt drivers included (120v - 277v)
- 5" x 9" mounting plate - custom mounting holes available

2x HW-126350120LED

2x HW-126350120LED

14.5"
368mm

8.0"
203mm

.625"
16mm

RFL-P-2-12-Q-30-1000-MVI-F

- Voltage: 120v - 277v
- Total Watts: 24 (2x12w)
- Lumens: 2209
- Lumens Per Watt: 73
- CCT: 3000K
- CRI: 80
- LM79 tested
- LED Panel UL8750 Recognized Component
- Two 12w 1000mA LED Panels rated 50,000 hours (L7)
- Cool Beam, No UV or IR
- Non-Dimmable
- 5 Year Limited Warranty
- Remote Phosphor LED technology
- RoHS Compliant - Energy Efficient - Environmentally Friendly
- 2 x External multi-volt drivers included (120v - 277v)
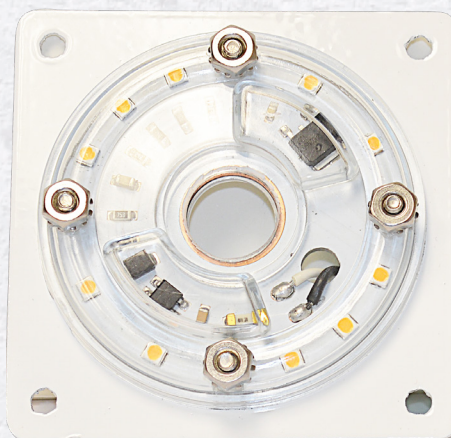- 8" x 14.5" mounting plate - custom mounting holes available

HW-12-20MVLED

LEDSOLUTIONS

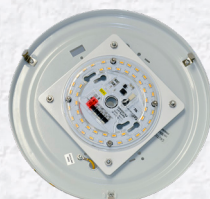## 6w LED Module • Wall & Ceiling

RFL-M1-06-R-30-120-33A

ON-BOARD DRIVER

MAGNETIC MOUNTS (-AM)
FOR INSTANT INSTALLATION

- Voltage: 120v or 277v models
- Total Watts: 6
- Lumens: 500 lumens (Equal to 13w CFL)
- Lumens Per Watt: 67
- High power factor >0.98
- CCT: 3000K (optional 4000K available @ 550 lumens)
- CRI: 80
- Estimated Life: 50,000 hours (L70)
- Cool Beam, No UV or IR
- Dimmable down to 5% with most triac or electronic dimmers
- On board line surge protection
- 5 Year Limited Warranty
- Remote Phosphor LED technology
- Integrated LED Driver on board (120v input only)
- Polycarbonate protective optical lens
- Multiple mounting options with custom mounting plates for any size fixture
- Magnetic mounting option - no tools required
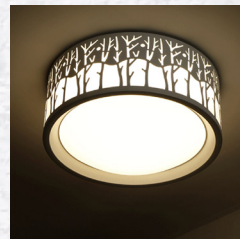
LED Module Compliance & Certification
- UL8750 Recognized Component
- RoHS Compliant - Energy Efficient - Environmentally Friendly
- LM79: No (LM79 does not apply to COB technology)
- FCC Compliance Class B

120v Only

RoHS compliant

ORDERING INFORMATION

| CATALOG NO.	DESCRIPTION
120v Input	
RFL-M1-06-R-30-120	6W RETROFIT LED MODULE, 500 LUMEN, 3000K, 120V INPUT
RFL-M1-06-R-40-120	6W RETROFIT LED MODULE, 550 LUMEN, 4000K, 120V INPUT
RFL-M1-06-R-30-120-33A*	6W RETROFIT LED MODULE, 500 LUMEN, 3000K, 120V INPUT, 3" X 3" MOUNTING PLATE
RFL-M1-06-R-40-120-33A*	6W RETROFIT LED MODULE, 550 LUMEN, 4000K, 120V INPUT, 3" X 3" MOUNTING PLATE
* Consult Factory for custom sized back plate part number	
RFL-M1-06-R-30-120-33AM	6W RETROFIT LED MODULE, 500 LUMEN, 3000K, 120V INPUT, 3" X 3" MAGNETIC MOUNTING PLATE
RFL-M1-06-R-40-120-33AM	6W RETROFIT LED MODULE, 550 LUMEN, 4000K, 120V INPUT, 3" X 3" MAGNETIC MOUNTING PLATE
277v Input	
RFL-M1-06-R-30-277	6W RETROFIT LED MODULE, 500 LUMEN, 3000K, 277V INPUT
RFL-M1-06-R-40-277	6W RETROFIT LED MODULE, 550 LUMEN, 4000K, 277V INPUT
RFL-M1-06-R-30-277-33A*	6W RETROFIT LED MODULE, 500 LUMEN, 3000K, 277V INPUT, 3" X 3" MOUNTING PLATE
RFL-M1-06-R-40-277-33A*	6W RETROFIT LED MODULE, 550 LUMEN, 4000K, 277V INPUT, 3" X 3" MOUNTING PLATE
* Consult Factory for custom sized back plate part number	
RFL-M1-06-R-30-277-33AM	6W RETROFIT LED MODULE, 500 LUMEN, 3000K, 277V INPUT, 3" X 3" MAGNETIC MOUNTING PLATE
RFL-M1-06-R-40-277-33AM	6W RETROFIT LED MODULE, 550 LUMEN, 4000K, 277V INPUT, 3" X 3" MAGNETIC MOUNTING PLATE

13w LED Module • Wall & Ceiling
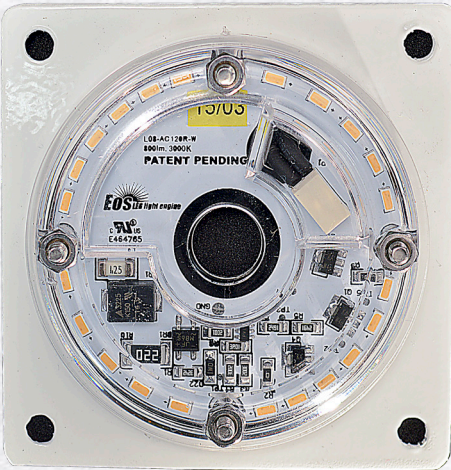
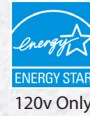**RFL-M1-13-R-40-120-33AM**

ON-BOARD DRIVER
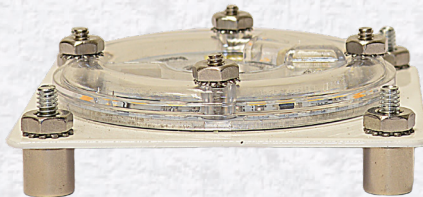
**MAGNETIC MOUNTS (-AM)
FOR INSTANT INSTALLATION**
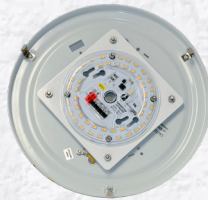
- Voltage: 120v modules
- Total Watts: 13
- Lumens: 900 lumens (Equal to 26w CFL)
- Lumens Per Watt: 69
- High power factor >0.98
- CCT: 3000K (optional 4000K available @ 1000 lumens)
- CRI: 80
- Estimated Life: 50,000 hours (L70)
- Cool Beam, No UV or IR
- Dimmable down to 5% with most triac or electronic dimmers
- On board line surge protection
- 5 Year Limited Warranty
- Remote Phosphor LED technology
- Integrated LED Driver on board (120v input only)
- Polycarbonate protective optical lens
- Multiple mounting options with custom mounting plates for any size fixture

LED Module Compliance & Certification
- Energy Star CSD (Certified Lighting Subcomponent Database)
- UL8750 Recognized Component
- RoHS Compliant - Energy Efficient - Environmentally Friendly
- LM79: No (LM79 does not apply to COB technology)
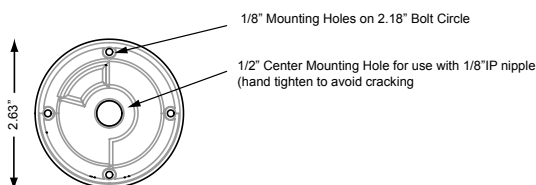- FCC Compliance Class B

120v Only

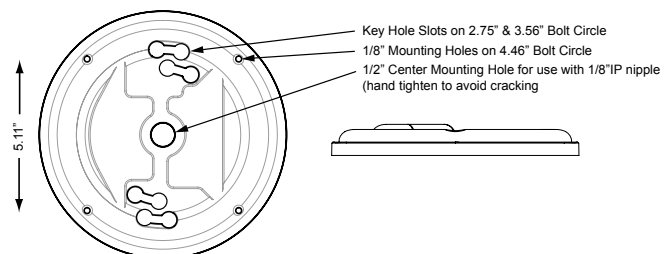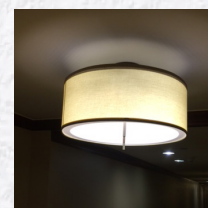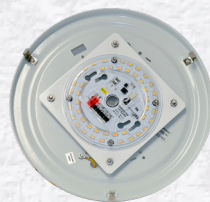RoHS compliant

ORDERING INFORMATION

CATALOG NO.	DESCRIPTION
13w 120v Input	
RFL-M1-13-R-30-120	13W RETROFIT LED MODULE, 900 LUMEN, 3000K, 120V INPUT
RFL-M1-13-R-40-120	13W RETROFIT LED MODULE, 1000 LUMEN, 4000K, 120V INPUT
RFL-M1-13-R-30-120-33A*	13W RETROFIT LED MODULE, 900 LUMEN, 3000K, 120V INPUT, 3" X 3" MOUNTING PLATE
RFL-M1-13-R-40-120-33A*	13W RETROFIT LED MODULE, 1000 LUMEN, 4000K, 120V INPUT, 3" X 3" MOUNTING PLATE
* Consult Factory for custom sized back plate part number	
RFL-M1-13-R-30-120-33AM	13W RETROFIT LED MODULE, 900 LUMEN, 3000K, 120V INPUT, 3" MAGNETIC MOUNTING PLATE
RFL-M1-13-R-40-120-33AM	13W RETROFIT LED MODULE, 1000 LUMEN, 4000K, 120V INPUT, 3" MAGNETIC MOUNTING PLATE

Direct Mount: 6w & 13w

1/8" Mounting Holes on 2.18" Bolt Circle

1/2" Center Mounting Hole for use with 1/8"IP nipple (hand tighten to avoid cracking)

2.63"

Direct Mount: 12w,14w & 23w

Key Hole Slots on 2.75" & 3.56" Bolt Circle

1/8" Mounting Holes on 4.46" Bolt Circle

1/2" Center Mounting Hole for use with 1/8"IP nipple (hand tighten to avoid cracking)

5.11"

12w & 14w LED Module • Wall & Ceiling

- Voltage: 120v (14w) or 277v (12w) modules
- Total Watts: 12/14
- Lumens: 1020/1350 lumens (Equal to Three 13w CFL lamps)
- Lumens Per Watt: 96
- High power factor >0.98
- CCT: 3000K (optional 4000K available @ 1400 lumens)
- CRI: 80
- Estimated Life: 50,000 hours (L70)
- Cool Beam, No UV or IR
- Dimmable down to 4% with most triac or electronic dimmers
- On board line surge protection
- 5 Year Limited Warranty
- Remote Phosphor LED technology
- Integrated LED Driver on board (120v input only)
- Polycarbonate protective optical lens
- Multiple mounting options with custom mounting plates for any size fixture

LED Module Compliance & Certification
- Energy Star CSD (Certified Lighting Subcomponent Database)
- UL8750 Recognized Component
- RoHS Compliant - Energy Efficient - Environmentally Friendly
- LM79: No (LM79 does not apply to COB technology)
- FCC Compliance Class B

RFL-M1-14-R-40-277-55A

ON-BOARD DRIVER

**MAGNETIC MOUNTS (-AM)
FOR INSTANT INSTALLATION**

ORDERING INFORMATION

CATALOG NO.	DESCRIPTION
12w 277v Input	
RFL-M1-12-R-30-277	12W RETROFIT LED MODULE, 1020 LUMEN, 3000K, 277V INPUT
RFL-M1-12-R-30-277-55A	12W RETROFIT LED MODULE, 1020 LUMEN, 3000K, 277V INPUT, 5.5" X 5.5" MOUNTING PLATE
RFL-M1-12-R-30-277-55AM	12W RETROFIT LED MODULE, 1020 LUMEN, 3000K, 277V INPUT, 5.5" MAGNETIC MOUNTING PLATE
14w 120v Input	
RFL-M1-14-R-30-120	14W RETROFIT LED MODULE, 1350 LUMEN, 3000K, 120V INPUT
RFL-M1-14-R-40-120	14W RETROFIT LED MODULE, 1400 LUMEN, 4000K, 120V INPUT
RFL-M1-14-R-30-120-55A*	14W RETROFIT LED MODULE, 1350 LUMEN, 3000K, 120V INPUT, 5.5" X 5.5" MOUNTING PLATE
RFL-M1-14-R-40-120-55A*	14W RETROFIT LED MODULE, 1400 LUMEN, 4000K, 120V INPUT, 5.5" X 5.5" MOUNTING PLATE
* Consult Factory for custom sized back plate part number	
RFL-M1-14-R-30-120-55AM	14W RETROFIT LED MODULE, 1350 LUMEN, 3000K, 120V INPUT, 5.5" MAGNETIC MOUNTING PLATE
RFL-M1-14-R-40-120-55AM	14W RETROFIT LED MODULE, 1400 LUMEN, 4000K, 120V INPUT, 5.5" MAGNETIC MOUNTING PLATE

23w LED Module • Wall & Ceiling

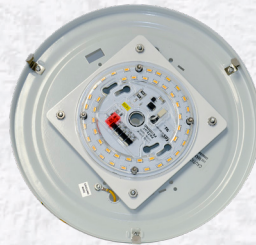- Voltage: 120v modules
- Total Watts: 23
- Lumens: 1850 lumens (Equal to Four 13w CFL lamps)
- Lumens Per Watt: 80
- High power factor >0.98
- CCT: 3000K (optional 4000K available @ 1900 lumens)
- CRI: 80
- Estimated Life: 50,000 hours (L70)
- Cool Beam, No UV or IR
- Dimmable down to 4% with most triac or electronic dimmers
- On board line surge protection
- 5 Year Limited Warranty
- Remote Phosphor LED technology
- Integrated LED Driver on board (120v input only)
- Polycarbonate protective optical lens
- Multiple mounting options with custom mounting plates for any size fixture

LED Module Compliance & Certification
- Energy Star CSD (Certified Lighting Subcomponent Database)
- UL8750 Recognized Component
- RoHS Compliant - Energy Efficient - Environmentally Friendly
- LM79: No (LM79 does not apply to COB technology)
- FCC Compliance Class B

RFL-M1-23-R-30-120-55AM

ON-BOARD DRIVER

**MAGNETIC MOUNTS (-AM)
FOR INSTANT INSTALLATION**

ENERGY STAR 120v Only
RoHS compliant

ORDERING INFORMATION

CATALOG NO.	DESCRIPTION
120v Input	
RFL-M1-23-R-30-120	23W RETROFIT LED MODULE, 1850 LUMEN, 3000K, 120V INPUT
RFL-M1-23-R-40-120	23W RETROFIT LED MODULE, 1900 LUMEN, 4000K, 120V INPUT
RFL-M1-23-R-30-120-55A*	23W RETROFIT LED MODULE, 1850 LUMEN, 3000K, 120V INPUT, 5.5" X 5.5" MOUNTING PLATE
RFL-M1-23-R-40-120-55A*	23W RETROFIT LED MODULE, 1900 LUMEN, 4000K, 120V INPUT, 5.5" X 5.5" MOUNTING PLATE
* Consult Factory for custom sized back plate part number	
RFL-M1-23-R-30-120-55AM	23W RETROFIT LED MODULE, 1850 LUMEN, 3000K, 120V INPUT, 5.5" MAGNETIC MOUNTING PLATE
RFL-M1-23-R-40-120-55AM	23W RETROFIT LED MODULE, 1900 LUMEN, 4000K, 120V INPUT, 5.5" MAGNETIC MOUNTING PLATE

LEDSOLUTIONS
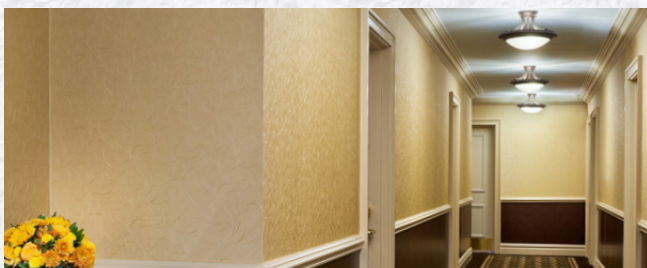
NEMA3R LED POWER SUPPLIES

Above Grade IP55 **LED** stainless steel transformers.
Upgradable with many options including,
Photocells, Timers & Astronomical Timers.

|	
RXT-12-60-MV	Multi Volt 12.5/13.5/14.5, 60 watt
RXT-12-120-MV	Multi Volt 12.5/13.5/14.5, 120 watt
RXT-12-180-MV	Multi Volt 12.5/13.5/14.5, 180 watt
RXT-12-300-MV	Multi Volt 12.5/13.5/14.5, 300 watt
RXT-12-600-MV	Multi Volt 12.5/13.5/14.5, 600 watt

Note: All RXT & DB models are magnetic transformers.

NEW

RXT-12-120MV Transformer, 120 watt output
35 Total Fixtures on 4 runs of 250 Feet
Total wattage: 113 watts

Zone #1
Run #1: 250 feet 14/2 wire
5 Omni-3 Area Lights
4 Arrow Directional Lights

Zone #2
Run #2: 250 feet 14/2 wire
4 Arrow Directional Lights
4 Arrow Well Lights
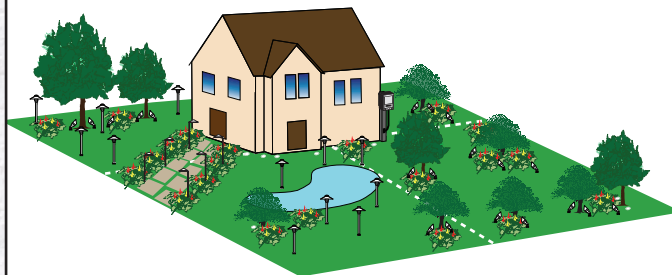
Zone #3
Run #3: 250 feet 14/2 wire
4 Arrow Well Lights
5 Omni-3 Path & Area Lights

Zone #4
Run #4: 250 feet 14/2 wire
2 Arrow Directional Lights
2 Arrow Well Lights
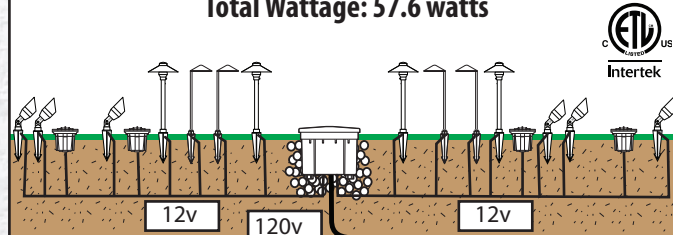5 Omni-3 Path & Area Lights

NEMA12 LED POWER SUPPLIES

Direct Burial IP67 Composite **LED** transformers.
NEMA 12 enclosures with 1/2" and 3/4" hubs for
120v Line Voltage input.

DB-12-25	12.5v, 25 watt
DB-12-60	12.5v, 60 watt
DB-12-60-MV	Multi Volt 12.5/13.5/14.5, 60 watt
DB-12-120	12.5v, 120 watt
DB-12-120-MV	Multi Volt 12.5/13.5/14.5, 120 watt
DB-12-180	12.5v, 180 watt
DB-12-180-MV	Multi Volt 12.5/13.5/14.5, 180 watt

DB-12-60 Direct Burial Transformer, 60 Watt Output
18 Total Fixtures: 9 on 500 foot run, 9 on 250 foot run
**Total Wattage: 57.6 watts**

Run #1: 250 feet 14/2 wire	Run #2: 500 feet 12/2 wire
3 Arrow Directional Lights	3 Arrow Directional Lights
2 Arrow Well Lights	2 Arrow Well Lights
4 Omni-3 Path & Area Lights	4 Omni-3 Path & Area Lights

Hard Wire LED Driver
**Use to supply proper voltage to 1 or 2 LED fixtures where
a low voltage transformer is not accessible.**

LED DRIVER(S) For 120v-277v APPLICATIONS

FA-22 or FA-24-LG

120v-277v
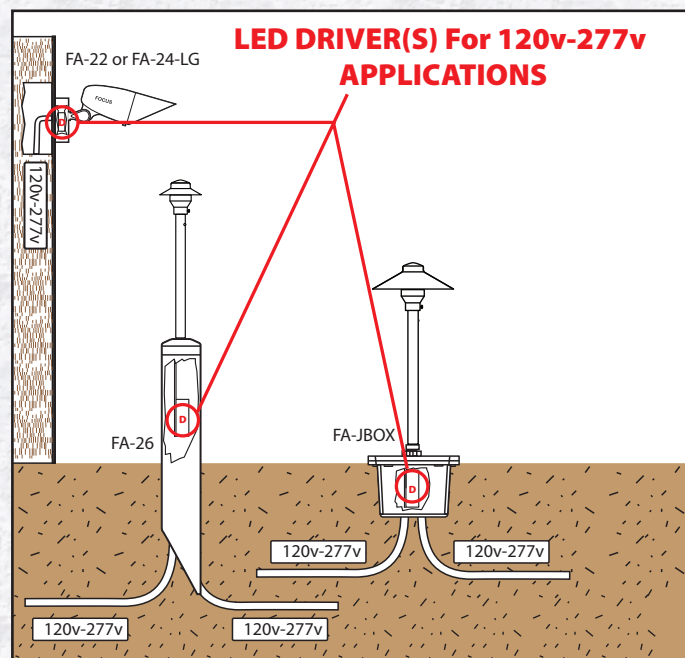
FA-26

FA-JBOX

HARD WIRE LED DRIVERS
• Input 120v -277v
• Installs in FA-24-LG Canopies
• Installs in FA-26 Mounting Pedestals
• Installs in FA-JBOX

HW-12-10700120LED	120v-265V, 10w LED Driver
HW-12-20700277LED	277v, 20w LED Driver
HW-12-6350240LED	120v-265v, 6w LED Driver
HW-12-6350277LED	120v-277v, 6w LED Driver
HW-12-6350120LED	120v, 6w LED Driver
HW-12-60LED	120v, 60w LED Driver

Multi-Fixture LED Power Supply

HW-12-60-LED
Drives Multiple LED Retrofits And Modules!

LED Drivers For Multiple Panel Use

HW-12-20MVLED
Mult Volt Input (90v-277v) To Power Multiple LED Panels

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60 WATTS

Fits in these Focus Canopies & Junction Boxes For Indoor & Outdoor Applications
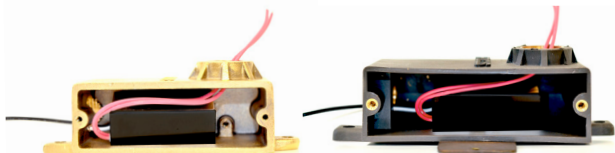
HW-12-60LED & FA-111

HW-12-60LED & CFA-111

HW-12-60LED & FA-24LG-CST

HW-12-60LED & FA-22

Output Power:	60w (no minimum load)
Input Voltage:	120v-50/60Hz 0.6A
Output Voltage:	12v AC
Case:	Aluminum
Dimensions:	35" (w) x 1.25" (h) x .75" (d)
Warranty:	3 years (12 hours per day max)

Not for directly powering LED panels

Maximum distance to LED 10 feet

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20 WATTS

1x HW-12-20MVLED driver powers any one of these 4w panel configurations

12w Total
4w 4w 4w

16w Total
4w 4w 4w 4w

20w Total
4w 4w 4w 4w 4w
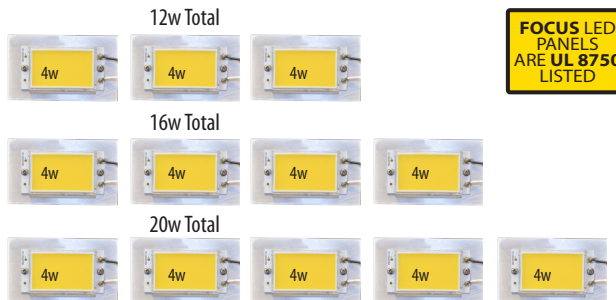
1x HW-12-20MVLED driver powers any one of these 5w panel configurations

15w Total
5w 5w 5w

20w Total
5w 5w 5w 5w

1x HW-12-20MVLED driver powers two 8w panels or one 12w panel

16w Total
8w 8w

12w Total
12w
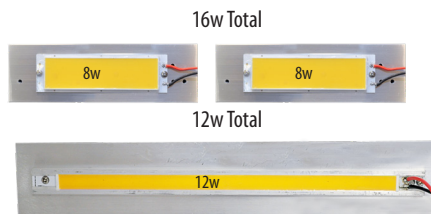
Output Power:	20w (no minimum load)
Input Voltage:	90v-277v
Output Voltage:	12v AC / 0-1.6A
Case:	Plastic
Dimensions:	6" (w) x 1.5" (h) x .71" (d)
Warranty:	3 years (12 hours per day max)