

# DRIVER REPLACEMENT



ZLEDLighting offers a wide array of LED drivers in a variety of form factors such as **0-10V, Triac Dimming, Constant Current, and Constant Voltage drivers**. The best way to measure the success of the LED fixture you install is by making sure you are using a quality driver.

### CONSTANT CURRENT DRIVERS

Constant current LED drivers are ideal for general lighting fixture applications in industrial, commercial, and residential environments where efficiency matters most. Constant current LED drivers maximize light output without over stressing the LEDs to provide consistent, even light. By controlling the maximum current going through the system, these LED drivers prevent thermal runaway.

These drivers are required when the driver is used to power the LED load directly. With constant current drivers, the output current is fixed by the driver, while the output voltage varies depending on the LED load. The more LEDs the driver is powering, the greater the output voltage will be, up to a maximum as allowed by the driver specifications.

### CONSTANT VOLTAGE DRIVERS

These drivers are required when another LED current controlling device, such as a built-in resistor or regulating driver is already connected directly to the LED load. With constant voltage drivers, the output voltage remains fixed (typically at 12Vdc or 24Vdc) at any current level, up to a maximum allowable current, as dictated by the maximum output power of the driver.

To correctly select a constant voltage driver, you need to know the following:

**The MAXIMUM POWER required by the LED modules in the system equally the VDC of the output side of the driver.**

The total power consumption of the LED modules in the system must not exceed the MAX OUTPUT wattage of the LED driver. Best practices dictate the total wattage should be at least 10% higher than the maximum LED load on the driver.

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### SPEC BOX

- Constant Current
- Constant Voltage
- Output VDC for Constant Voltage
- Output VDC range for Constant Current
- 0-10V Dimming Box
- Triac Dimming Box
- PWM Dimming Box

Input Voltage \_\_\_\_\_

Total Wattage \_\_\_\_\_

Miliamps (mA) \_\_\_\_\_

Power Factor \_\_\_\_\_

Class P \_\_\_\_\_

## DIMMABLE DRIVERS - CONSTANT VOLTAGE

<p> <b>MAX WATTAGE:</b> 40  <b>INPUT VOLTAGE:</b> 120VAC  <b>OUTPUT VOLTAGE:</b> 12VDC  <b>DIMENSION:</b> 4.92"x1.97"x0.77"  <b>IP RATING:</b> IP67         </p>  <p style="text-align: right;"><b>E40R12DC</b></p>	<p> <b>MAX WATTAGE:</b> 60  <b>INPUT VOLTAGE:</b> 120VAC  <b>OUTPUT VOLTAGE:</b> 12VDC  <b>DIMENSION:</b> 6.77"x2.67"x1.26"  <b>IP RATING:</b> IP67         </p>  <p style="text-align: right;"><b>E60R12DC-KO</b></p>	<p> <b>MAX WATTAGE:</b> 60  <b>INPUT VOLTAGE:</b> 120VAC  <b>OUTPUT VOLTAGE:</b> 12VDC  <b>DIMENSION:</b> 6.77"x2.67"x1.26"  <b>IP RATING:</b> IP67         </p>  <p style="text-align: right;"><b>M60L12DC-AR</b></p>
<p> <b>MAX WATTAGE:</b> 150  <b>INPUT VOLTAGE:</b> 120VAC  <b>OUTPUT VOLTAGE:</b> 12VDC  <b>DIMENSION:</b> 9.8"x3.0"x3.0"  <b>IP RATING:</b> IP67         </p>  <p style="text-align: right;"><b>M150L12DC-AR</b></p>	<p> <b>MAX WATTAGE:</b> 300  <b>INPUT VOLTAGE:</b> 120VAC  <b>OUTPUT VOLTAGE:</b> 12VDC  <b>DIMENSION:</b> 9.8"x4.2"x3.5"  <b>IP RATING:</b> IP67         </p>  <p style="text-align: right;"><b>M300L12DC-AR</b></p>	<p> <b>MAX WATTAGE:</b> 40  <b>INPUT VOLTAGE:</b> 100-130VAC  <b>OUTPUT VOLTAGE:</b> 12VDC  <b>DIMENSION:</b> 7"x2.4"x1"  <b>IP RATING:</b> IP21         </p>  <p style="text-align: right;"><b>SLT40L12DC</b></p>
<p> <b>MAX WATTAGE:</b> 40  <b>INPUT VOLTAGE:</b> 120VAC  <b>OUTPUT VOLTAGE:</b> 24VDC  <b>DIMENSION:</b> 7"x2.4"x1"  <b>IP RATING:</b> IP21         </p>  <p style="text-align: right;"><b>SLT40L24DC</b></p>	<p> <b>MAX WATTAGE:</b> 100  <b>INPUT VOLTAGE:</b> 120VAC  <b>OUTPUT VOLTAGE:</b> 12VDC  <b>DIMENSION:</b> 10.06"x3.09"x2.84"  <b>IP RATING:</b> NEMA 3R, ETL         </p>  <p style="text-align: right;"><b>M100L12DC</b></p>	<p> <b>MAX WATTAGE:</b> 200  <b>INPUT VOLTAGE:</b> 120VAC  <b>OUTPUT VOLTAGE:</b> 12VDC  <b>DIMENSION:</b> 10.06"x3.09"x2.84"  <b>IP RATING:</b> NEMA 3R, ETL         </p>  <p style="text-align: right;"><b>M200L12DC</b></p>

## 24V DIMMABLE DRIVERS - CONSTANT CURRENT

<p> <b>MAX WATTAGE:</b> 96  <b>INPUT VOLTAGE:</b> 120VAC  <b>OUTPUT VOLTAGE:</b> 24VDC  <b>DIMENSION:</b> 4.92"x1.97"x0.77"  <b>IP RATING:</b> IP67         </p>  <p style="text-align: right;"><b>E96R24DC</b></p>	<p> <b>MAX WATTAGE:</b> 200  <b>INPUT VOLTAGE:</b> 120VAC  <b>OUTPUT VOLTAGE:</b> 24VDC  <b>DIMENSION:</b> 10.06"x3.09"x2.84"  <b>IP RATING:</b> NEMA 3R, ETL         </p>  <p style="text-align: right;"><b>M200L24DC</b></p>	<p> <b>MAX WATTAGE:</b> 300  <b>INPUT VOLTAGE:</b> 120VAC  <b>OUTPUT VOLTAGE:</b> 24VDC  <b>DIMENSION:</b> 10.04"x4.21"x3.5"  <b>IP RATING:</b> NEMA 3R, ETL         </p>  <p style="text-align: right;"><b>M300L24DC</b></p>
<p> <b>MAX WATTAGE:</b> 40  <b>INPUT VOLTAGE:</b> 100-130VAC  <b>OUTPUT VOLTAGE:</b> 24VDC  <b>DIMENSION:</b> 7"x2.4"x1"  <b>IP RATING:</b> IP21         </p>  <p style="text-align: right;"><b>SLT40L24DC</b></p>		

## IP67 DRIVERS - 12V - CONSTANT CURRENT

**MAX WATTAGE:** 30  
**INPUT VOLTAGE:** 90-305VAC  
**OUTPUT VOLTAGE:** 12VDC  
**DIMENSION:** 5.34"x1.77"x1.05"  
**IP RATING:** IP67



**30W-PS-12V-120V-IP67**

**MAX WATTAGE:** 60  
**INPUT VOLTAGE:** 90-305VAC  
**OUTPUT VOLTAGE:** 12VDC  
**DIMENSION:** 5.65"x1.85"x1.33"  
**IP RATING:** IP67



**60W-PS-12V-120V-IP67**

**MAX WATTAGE:** 100  
**INPUT VOLTAGE:** 90-305VAC  
**OUTPUT VOLTAGE:** 12VDC  
**DIMENSION:** 8.26"x2.81"x1.79"  
**IP RATING:** IP67



**100W-PS-12V-120V-IP67**

**MAX WATTAGE:** 150  
**INPUT VOLTAGE:** 90-264VAC  
**OUTPUT VOLTAGE:** 12VDC  
**DIMENSION:** 10.07"x2.65"x1.76"  
**IP RATING:** IP67



**150W-PS-12V-120V-IP67**

**MAX WATTAGE:** 200  
**INPUT VOLTAGE:** 90-264VAC  
**OUTPUT VOLTAGE:** 12VDC  
**DIMENSION:** 9.64"x3.74"x1.96"  
**IP RATING:** IP67



**200W-PS-12V-120/277V-IP67**

**MAX WATTAGE:** 300  
**INPUT VOLTAGE:** 100-277VAC  
**OUTPUT VOLTAGE:** 12VAC  
**DIMENSION:** 13.90"x9.25"x7.48"  
**IP RATING:** IP67



**300W-PS-12V-100/277V-IP67**

## PLUG-IN DRIVERS - CONSTANT CURRENT

**MAX WATTAGE:** 48  
**INPUT VOLTAGE:** 100-240VAC  
**OUTPUT VOLTAGE:** 12VDC  
**DIMENSION:** 4.5"x2"x1.25"  
**IP RATING:** IP67



**48W-PS-12V-120V-IP20**

**MAX WATTAGE:** 96  
**INPUT VOLTAGE:** 100-240VAC  
**OUTPUT VOLTAGE:** 12VDC  
**DIMENSION:** -  
**IP RATING:** IP67



**96W-PS-12V-120V-IP20**

## DIMMABLE LED TRIAC DRIVERS (5 IN 1 DIMMING) WATTAGE SELECTABLE

**WATTAGE:** 20W  
**INPUT VOLTAGE:** 100-277VAC  
**PF:** >0.95  
**IP:** IP20 with DIP Switch  
**RATED:** UL  
**DIMENSION:** 6.28" x 1.69" x .78"



**ZL-DRIVER-20W-TRIAC**

**WATTAGE:** 40W  
**INPUT VOLTAGE:** 100-277VAC  
**PF:** >0.95  
**IP:** IP20 with DIP Switch  
**RATED:** UL  
**DIMENSION:** 6.75" x 2.12" x .78"



**ZL-DRIVER-40W-TRIAC**

**WATTAGE:** 60W  
**INPUT VOLTAGE:** 100-277VAC  
**PF:** >0.95  
**IP:** IP20 with DIP Switch  
**RATED:** UL  
**DIMENSION:** 7.58" x 2.44" x .94"



**ZL-DRIVER-60W-TRIAC**



## IP67 DRIVERS - 24V - CONSTANT CURRENT

**MAX WATTAGE:** 30

**INPUT VOLTAGE:** 90-305VAC

**OUTPUT VOLTAGE:** 24VDC

**DIMENSION:** 5.34"x1.77"x1.05"

**IP RATING:** IP67



**30W-PS-24V-120V-IP67**

**MAX WATTAGE:** 60

**INPUT VOLTAGE:** 90-305VAC

**OUTPUT VOLTAGE:** 24VDC

**DIMENSION:** 5.65"x1.85"x1.33"

**IP RATING:** IP67



**60W-PS-24V-120V-IP67**

**MAX WATTAGE:** 100

**INPUT VOLTAGE:** 90-305VAC

**OUTPUT VOLTAGE:** 24VDC

**DIMENSION:** 8.26"x2.81"x1.79"

**IP RATING:** IP67



**100W-PS-24V-120V-IP67**

**MAX WATTAGE:** 150

**INPUT VOLTAGE:** 90-264VAC

**OUTPUT VOLTAGE:** 24VDC

**DIMENSION:** 10.07"x2.65"x1.76"

**IP RATING:** IP67



**150W-PS-24V-120V-IP67**

**MAX WATTAGE:** 200

**INPUT VOLTAGE:** 90-264VAC

**OUTPUT VOLTAGE:** 24VDC

**DIMENSION:** 9.64"x3.74"x1.96"

**IP RATING:** IP67



**200W-PS-24V-120/277V-IP67**

**MAX WATTAGE:** 300

**INPUT VOLTAGE:** 100-277VAC

**OUTPUT VOLTAGE:** 24VAC

**DIMENSION:** 13.90"x9.25"x7.48"

**IP RATING:** IP67



**300W-PS-24V-100/277V-IP67**

## PLUG-IN DRIVERS - 24V - CONSTANT CURRENT

**MAX WATTAGE:** 48

**INPUT VOLTAGE:** 100-240VAC

**OUTPUT VOLTAGE:** 24VDC

**DIMENSION:** 4.5"x2"x1.25"

**IP RATING:** IP67



**48W-PS-24V-120V-IP20**

**MAX WATTAGE:** 96

**INPUT VOLTAGE:** 100-240VAC

**OUTPUT VOLTAGE:** 24VDC

**DIMENSION:** -

**IP RATING:** IP67



**96W-PS-24V-120V-IP20**

# MAGNILUMEN PLUS DRIVERS - CONSTANT VOLTAGE

**MAX WATTAGE:** 20  
**INPUT VOLTAGE:** 100-277VAC  
**OUTPUT VOLTAGE:** 27-42VDC  
**DIMENSION:** 9.21"x1.43"x1.15"  
**RATING:** Damp Locations



**MRK-DRIVER-20W-2WH-PLUS**

**MAX WATTAGE:** 30  
**INPUT VOLTAGE:** 100-277VAC  
**OUTPUT VOLTAGE:** 27-42VDC  
**DIMENSION:** 9.21"x1.43"x1.55"  
**RATING:** Damp Locations



**MRK-DRIVER-30W-2WH-PLUS**

**MAX WATTAGE:** 40  
**INPUT VOLTAGE:** 100-277VAC  
**OUTPUT VOLTAGE:** 27-42VDC  
**DIMENSION:** 9.21"x1.43"x1.15"  
**RATING:** Damp Locations



**MRK-DRIVER-40W-2WH-PLUS**

**MAX WATTAGE:** 50  
**INPUT VOLTAGE:** 100-277VAC  
**OUTPUT VOLTAGE:** 27-42VDC  
**DIMENSION:** 9.21"x1.43"x1.15"  
**RATING:** Damp Locations



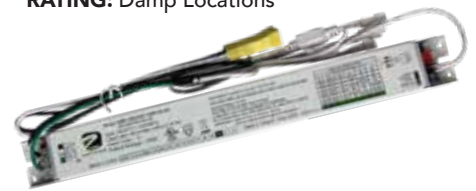
**MRK-DRIVER-50W-2WH-PLUS**

**MAX WATTAGE:** 60  
**INPUT VOLTAGE:** 100-277VAC  
**OUTPUT VOLTAGE:** 27-42VDC  
**DIMENSION:** 9.21"x1.43"x1.15"  
**RATING:** Damp Locations



**MRK-DRIVER-60W-2WH-PLUS**

**MAX WATTAGE:** 100  
**INPUT VOLTAGE:** 100-277VAC  
**OUTPUT VOLTAGE:** 27-42VDC  
**DIMENSION:** 13.62"x1.43"x1.15"  
**RATING:** Damp Locations



**MRK-DRIVER-100W-4WH-PLUS**

## EMERGENCY BACK-UP DRIVERS

For **MAGNILUMEN PLUS AND BEK KITS**  
**MAX WATTAGE:** 15  
**INPUT VOLTAGE:** 100-277VAC  
**OUTPUT VOLTAGE:** 25-48VDC  
**DIMENSION:** 7.41"x1.5"x1.14"



**BL-EMRG-LED-15-1H**

For **DOWNLIGHTS**  
**MAX WATTAGE:** 8  
**INPUT VOLTAGE:** 100-347VAC  
**OUTPUT VOLTAGE:** 170VDC  
**DIMENSION:** 10.3"x1.85"x0.94"



**BL-EMRG-FXT-8DA**

For **FLAT PANELS AND TROFFERS**  
**MAX WATTAGE:** 15  
**INPUT VOLTAGE:** 100-347VAC  
**OUTPUT VOLTAGE:** 170VDC  
**DIMENSION:** 13.77"x1.97"x0.94"



**BL-EMRG-FXT-15D-A**

For **HIGH BAYS**  
**MAX WATTAGE:** 25  
**INPUT VOLTAGE:** 100-347VAC  
**OUTPUT VOLTAGE:** 170VDC  
**DIMENSION:** 13.1"x1.97"x0.94"



**BL-EMRG-FXT-25D-A**

# MEANWELL DRIVERS - CONSTANT CURRENT

**MEANWELL DRIVER PART #:** HLG-60H-24A  
**MAX WATTAGE:** 60  
**INPUT VOLTAGE:** 90-305VAC  
**OUTPUT VOLTAGE:** 24V  
**DIMENSION:** 6.73"x2.42"x1.44"  
**RATING:** UL, IP65, IP67



**MEANWELL DRIVER PART #:** CEN-60-24  
 (HLG-60H-24A)  
**MAX WATTAGE:** 60  
**INPUT VOLTAGE:** 90-295VAC  
**OUTPUT VOLTAGE:** 24V  
**DIMENSION:** 7.28"x2.46"x1.59"  
**RATING:** UL, IP66



**MEANWELL DRIVER PART #:** CEN-100-24  
 (HLG-100H-24)  
**MAX WATTAGE:** 100  
**INPUT VOLTAGE:** 90-295VAC  
**OUTPUT VOLTAGE:** 24V  
**DIMENSION :** 7.67"x2.46"x1.59"  
**RATING:** UL, IP66



**MEANWELL DRIVER PART #:** CEN-100-24  
 (HLG-100H-24)  
**MAX WATTAGE:** 100  
**INPUT VOLTAGE:** 90-295VAC  
**OUTPUT VOLTAGE:** 24V  
**DIMENSION:** 7.67"x2.46"x1.59"  
**RATING:** UL, IP66



**MEANWELL DRIVER PART #:** CLG-150-24A  
 (HLG-150H-24A)  
**MAX WATTAGE:** 150  
**INPUT VOLTAGE:** 90-295VAC  
**OUTPUT VOLTAGE:** 24V  
**DIMENSION:** 8.74"x2.67"x1.52"  
**RATING:** UL, IP65, IP67



**MEANWELL DRIVER PART #:** CLG-150-48A  
 (HLG-150H-48A)  
**MAX WATTAGE:** 150  
**INPUT VOLTAGE:** 90-305VAC  
**OUTPUT VOLTAGE:** 48V  
**DIMENSION:** 8.97"x2.67"x1.52"  
**RATING:** UL, IP65, IP67



**MEANWELL DRIVER PART #:** HLG-240H-54B  
**MAX WATTAGE:** 240  
**INPUT VOLTAGE:** 90-305VAC  
**OUTPUT VOLTAGE:** 24V  
**DIMENSION:** 9.61"x2.67"x1.52"  
**RATING:** UL, IP65, IP67



**MEANWELL DRIVER PART #:** HLG-240H-48B  
**MAX WATTAGE:** 240  
**INPUT VOLTAGE:** 90-305VAC  
**OUTPUT VOLTAGE:** 24V  
**DIMENSION:** 9.61"x2.67"x1.52"  
**RATING:** UL, IP65, IP67



**MEANWELL DRIVER PART #:** HLG-320H-48B  
**MAX WATTAGE:** 320  
**INPUT VOLTAGE:** 90-305VAC  
**OUTPUT VOLTAGE:** 320 Watts  
**DIMENSION:** 9.92"x3.54"x1.72"  
**RATING:** IP65, IP67



**MEANWELL DRIVER PART #:** HLG-240H-48B  
**MAX WATTAGE:** 240  
**INPUT VOLTAGE:** 90-305VAC  
**OUTPUT VOLTAGE:** 240 Watts  
**DIMENSION:** 9.61"x2.67"x1.52"  
**RATING:** UL, IP65, IP67



**MEANWELL DRIVER PART #:** HLG-240H-48B  
**MAX WATTAGE:** 240  
**INPUT VOLTAGE:** 90-305VAC  
**OUTPUT VOLTAGE:** 240 Watts  
**DIMENSION:** 9.61"x2.67"x1.52"  
**RATING:** UL, IP65, IP67



**MEANWELL DRIVER PART #:** HVG-65-24A  
**MAX WATTAGE:** 65  
**INPUT VOLTAGE:** 180-528VAC  
**OUTPUT VOLTAGE:** 24V  
**DIMENSION:** 7.44"x2.42"x1.44"  
**RATING:** UL, IP65, IP67



# MEANWELL DRIVERS - CONSTANT CURRENT

**MEANWELL DRIVER PART #:** HVG-65-24A  
**MAX WATTAGE:** 65  
**INPUT VOLTAGE:** 180-528VAC  
**OUTPUT VOLTAGE:** 24V  
**DIMENSION:** 7.44"x2.42"x1.44"  
**RATING:** UL, IP65, IP67



**MEANWELL DRIVER PART #:** HVG-100-36A  
**MAX WATTAGE:** 100  
**INPUT VOLTAGE:** 180-528VAC  
**OUTPUT VOLTAGE:** 36V  
**DIMENSION:** 9.29"x2.67"x1.52"  
**RATING:** UL, IP65, IP67



**MEANWELL DRIVER PART #:** HVG-100-24A  
**MAX WATTAGE:** 100  
**INPUT VOLTAGE:** 180-528VAC  
**OUTPUT VOLTAGE:** 24V  
**DIMENSION:** 9.29"x2.67"x1.52"  
**RATING:** UL, IP65, IP67



**MEANWELL DRIVER PART #:** HVG-150-24A  
**MAX WATTAGE:** 150  
**INPUT VOLTAGE:** 180-528VAC  
**OUTPUT VOLTAGE:** 24V  
**DIMENSION:** 9.64"x2.67"x1.52"  
**RATING:** UL, IP65, IP67



**MEANWELL DRIVER PART #:** HVG-150-48A  
**MAX WATTAGE:** 150  
**INPUT VOLTAGE:** 180-528VAC  
**OUTPUT VOLTAGE:** 48V  
**DIMENSION:** 9.64"x2.67"x1.52"  
**RATING:** UL, IP65, IP67



**MEANWELL DRIVER PART #:** HVG-240-54A  
**MAX WATTAGE:** 240  
**INPUT VOLTAGE:** 180-528VAC  
**OUTPUT VOLTAGE:** 243 Watts  
**DIMENSION:** 10.07"x2.67"x1.52"  
**RATING:** UL, IP65, IP67



**MEANWELL DRIVER PART #:** HVG-240-48B  
**MAX WATTAGE:** 240  
**INPUT VOLTAGE:** 180-528VAC  
**OUTPUT VOLTAGE:** 48V  
**DIMENSION:** 10.07"x2.67"Vx1.52"  
**RATING:** UL, IP65, IP67



**MEANWELL DRIVER PART #:** HVG-320-48B  
**MAX WATTAGE:** 320  
**INPUT VOLTAGE:** 180-528VAC  
**OUTPUT VOLTAGE:** 48V  
**DIMENSION:** 10.31"x3.54"Vx1.72"  
**RATING:** UL, IP65, IP67



**MEANWELL DRIVER PART #:** HVG-320-48B  
**MAX WATTAGE:** 320  
**INPUT VOLTAGE:** 180-528VAC  
**OUTPUT VOLTAGE:** 48V  
**DIMENSION:** 10.31"x3.54"Vx1.72"  
**RATING:** UL, IP65, IP67



**MEANWELL DRIVER PART #:** HVG-320-48B  
**MAX WATTAGE:** 320  
**INPUT VOLTAGE:** 180-528VAC  
**OUTPUT VOLTAGE:** 48V  
**DIMENSION:** 10.31"x3.54"Vx1.72"  
**RATING:** UL, IP65, IP67





## TERMS AND CONDITIONS



### WARRANTY

Standard four (4) year factory replacement warranty on all Magnetic High Intensity Discharge Ballasts, Electronic Fluorescent and LED Drivers. This warranty is designated a "Limited Warranty" pursuant to Section 103(a) of the Federal Consumers Product Warranties Act. Defective LED Drivers are to be shipped, with RMA number, to Mount Laurel, NJ at purchaser's expense. Replacement ballasts will be shipped freight free.

### TERMS

Companies with approved credit: Thirty (30) days net from date of invoice.

### FREIGHT

Freight will be allowed on \$750.00 for LED Drivers to all points in the U.S.A. excluding Hawaii and Alaska. LED Fixtures are \$1,500.00 F/F. Poles FOB Mount Laurel, NJ.

### DAMAGE/DEFECTIVE PRODUCT

Any claims for loss and damage must be filed by the customer against the carrier. Consignment copies signed by the carrier acknowledging such loss or damage must be submitted to ZLEDLighting.

### DROP SHIPMENTS

Drop shipments to other than customer's address of business will be allowed. If shipment destination is further than originating customer's premises, any extra freight charge will be customer's responsibility.

### CLAIMS

Claims for inaccurate filling of orders must be submitted no later than two (2) days after receipt of shipment and needs to be made directly to ZLEDLighting. Copy of the invoice or packing list must be enclosed with the claim form.

### RETRUNS

Customer will have to request a Return Merchandise Authorization (RMA), returned goods will only be accepted against an RMA number. Any item returned for credit or replacement will be subject to a 15% restocking fee if the error is not ours. LED Drivers must be returned freight prepaid. All returns must be returned within sixty (60) days of delivery or RMA will be canceled and customer will be responsible for payment.

### PRICES

Prices are net 30 and subject to price increase without notice. All items are subject to a price change, should import tariffs increase.