

# EFO ILLUMINATORS

## description\_benefits\_dimensions

68 watt metal halide



### EFO-4+4 ILLUMINATOR

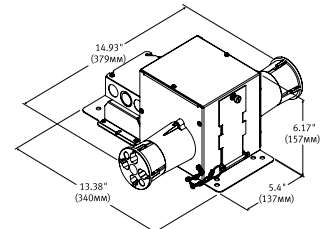
#### Description:

Excellent for commercial downlighting applications with large core fiber plug and play connectors.

#### Benefits:

- U.L. listed for damp locations
- Fanless and silent
- Extremely energy efficient with patented CPC reflectors
- Accommodates up to eight 12/10mm large core fibers through dual ports
- 68W metal halide lamp—average rated life 6,000 hours
- Easy access for lamp replacement
- Plug and play fiber connections

#### Dimensions:



Available 2005

68 watt metal halide



### EFO-3+3 ILLUMINATOR

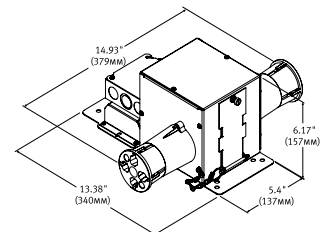
#### Description:

Excellent for commercial downlighting applications with large core fiber plug and play connectors.

#### Benefits:

- U.L. listed for damp locations
- Fanless and silent
- Extremely energy efficient with patented CPC reflectors
- Accommodates up to six 14/12mm large core fibers through dual ports
- 68W metal halide lamp—average rated life 6,000 hours
- Easy access for lamp replacement
- Plug and play fiber connections

#### Dimensions:



Available 2005

68 watt metal halide



### EFO-2+2 ILLUMINATOR

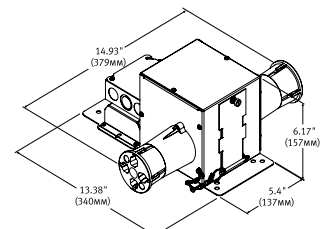
#### Description:

Excellent for commercial downlighting applications with large core fiber plug and play connectors.

#### Benefits:

- U.L. listed for damp locations
- Fanless and silent
- Extremely energy efficient with patented CPC reflectors
- Accommodates up to four 17/15mm large core fibers through dual ports
- 68W metal halide lamp—average rated life 6,000 hours
- Easy access for lamp replacement
- Plug and play fiber connections

#### Dimensions:





68 watt metal halide



### EFO-1+1 ILLUMINATOR

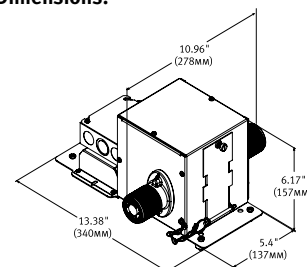
**Description:**

Excellent for commercial downlighting applications with both large core and stranded fiber.

**Benefits:**

- U.L. listed for damp locations
- Fanless and silent
- Extremely energy efficient with patented CPC reflectors
- Accommodates 1,000 stranded fibers and large core fiber harnesses through dual ports
- 68W metal halide lamp – average rated life 6,000 hours
- Easy access for lamp replacement

**Dimensions:**



68 watt metal halide



### EFO-AG ILLUMINATOR

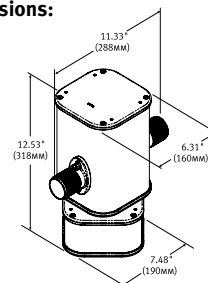
**Description:**

Excellent for outdoor landscape lighting applications with both large core and stranded fiber.

**Benefits:**

- U.L. listed for wet locations
- Fanless, virtually silent & completely sealed
- Extremely energy efficient with patented CPC reflectors
- Accommodates 1,000 stranded fibers and large core fiber harnesses through dual ports
- 68W metal halide lamp – average rated life 6,000 hours

**Dimensions:**



# EFO-4+4 ILLUMINATOR

## description\_ordering guide\_specifications



### EFO-4+4 ILLUMINATOR

#### Description:

EFO-4+4 is fanless and U.L. listed for damp locations. One 68 watt lamp drives two output ports, each capable of connecting up to four 12/10mm FiberJacks large core fibers, for a total of eight fixtures per illuminator. This Illuminator provides the highest light output through EFO-12/10mm fiber. The EFO-4+4 is used for interior downlighting, accent lighting, cases, cabinets and other places where a small, silent, remote light source is preferred.

illuminator ordering guide

**Model:**  
EFO-4+4

**Color Wheel Options:**

- 2NC 2 PORTS, WHITE LIGHT
- 2SC 2 PORTS, SINGLE COLOR\*

\* SINGLE COLOR MUST BE SPECIFIED AT TIME OF ORDER.

**Voltage Options:**

- 120 120V, 60 Hz
- 240 240V, 50/60 Hz

**Options:**

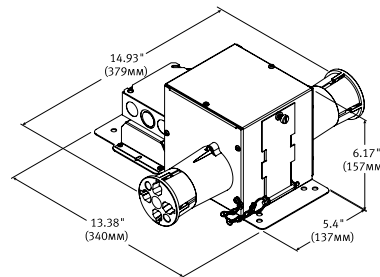
- 00 STANDARD HARDWIRE CONNECTION
- PC POWER CORD/PLUG OPTION
- WM WALL MOUNT KIT
- CR CADDY RAILS, SET OF 2

**Specifications:**

- Maximum Exposure Rating:** DAMP LOCATION
- Ventilation:** FANLESS
- Thermal Output:** 350 BTU/HR
- Acoustic Rating (dB):** NOISELESS
- Weight:** 10 LBS
- Rec. Mounting Clearance:** 12"
- Operating Temperature:** 5° TO 45° C
- Storage Temperature:** -20° TO 85° C
- Continuous Load @ 120V:** 0.7 AMPS
- Startup Load @ 120V:** 1.0 AMPS
- Replacement Lamps:** EFO-068, EFO-068-D, EFO-068-SC, EFO-068-SC-D

- Lamp Wattage:** 68W
- Lamp Type:** HID METAL HALIDE
- Lamp Life:** 6000 HOURS AVERAGE
- Restrike Delay:** 3 MINUTES
- Color Temperature:** 3500° K
- CRI:** 70
- Materials:** POWDER COATED METAL, INJECTION MOLDED PLASTIC
- Color Filter Options: (single color)** APPLE-GREEN, AMBER, AQUA, DARK BLUE, MAGENTA, INCANDESCENT, MEDIUM BLUE, GREEN, ORANGE, TEAL

**Dimensions:**

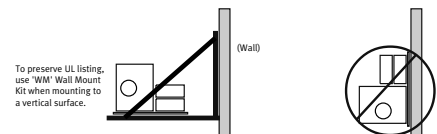


**Technical Remarks:**

Any one color from the Color Filter Options may be added to the lamp. The colors can be different if desired. Add 10" (250mm) to length dimension of stranded fiber and 20" (500mm) for large core fiber to accommodate the fiber bending radius. Port plugs available to block light leakage for unused FiberJacks.

**Mounting Positions:**

HORIZONTAL, OPTIONAL WALL MOUNT KIT (AD-WM-KIT)-(SHOWN) OR ON CADDY RAILS (EFO-CR)



# EFO-3+3 ILLUMINATOR

## description\_ordering\_guide\_specifications



68 watt metal halide



### EFO-3+3 ILLUMINATOR

#### Description:

EFO-3+3 is fanless and U.L. listed for damp locations. One 68 watt lamp drives two output ports, each capable of connecting up to three 14/12mm Fiberjacks large core fibers for a total of six fixtures per illuminator. This illuminator provides the highest light output through EFO-14/12mm fiber. The EFO-3+3 is used for interior down-lighting, accent lighting, cases, cabinets and other places where a small, silent, remote light source is preferred.

<b>illuminator ordering guide</b>	<b>Model:</b> EFO-3+3	<b>Color Wheel Options:</b> <b>2NC</b> 2 PORTS, WHITE LIGHT <b>2SC</b> 2 PORTS, SINGLE COLOR*  * SINGLE COLOR MUST BE SPECIFIED AT TIME OF ORDER.	<b>Options:</b> <b>00</b> STANDARD HARDWIRE CONNECTION <b>PC</b> POWER CORD/PLUG OPTION <b>WM</b> WALL MOUNT KIT <b>CR</b> CADDY RAILS, SET OF 2
	<b>Voltage Options:</b> <b>120</b> 120V, 60 Hz <b>240</b> 240V, 50/60 Hz		

<b>Specifications:</b> <b>Maximum Exposure Rating:</b> <b>Ventilation:</b> <b>Thermal Output:</b> <b>Acoustic Rating (dB):</b> <b>Weight:</b> <b>Rec. Mounting Clearance:</b> <b>Operating Temperature:</b> <b>Storage Temperature:</b> <b>Continuous Load @ 120V:</b> <b>Startup Load @ 120V:</b> <b>Replacement Lamps:</b>  <b>Lamp Wattage:</b> <b>Lamp Type:</b> <b>Lamp Life:</b> <b>Restrike Delay:</b> <b>Color Temperature:</b> <b>CRI:</b> <b>Materials:</b>  <b>Color Filter Options:</b> (single color)	DAMP LOCATION FANLESS 350 BTU/HR NOISELESS 10 LBS 12" 5° TO 45° C -20° TO 85° C 0.7 AMPS 1.0 AMPS EFO-068, EFO-068-D, EFO-068-SC, EFO-068-SC-D 68W HID METAL HALIDE 6000 HOURS AVERAGE 3 MINUTES 3500° K 70 POWDER COATED METAL, INJECTION MOLDED PLASTIC APPLE-GREEN, AMBER, AQUA, DARK BLUE, MAGENTA, INCANDESCENT, MEDIUM BLUE, GREEN, ORANGE, TEAL
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**Dimensions:**

**Technical Remarks:**  
 Any one color from the Color Filter Options may be added to the lamp. The colors can be different if desired. Add 10" (250mm) to length dimension of stranded fiber and 20" (500mm) for large core fiber to accommodate the fiber bending radius. Port plugs available to block light leakage for unused Fiberjacks.

**Mounting Positions:**  
 HORIZONTAL, OPTIONAL WALL MOUNT KIT (AD-WM-KIT)-(SHOWN) OR ON CADDY RAILS (EFO-CR)

# EFO-2+2 ILLUMINATOR

## description\_ordering guide\_specifications



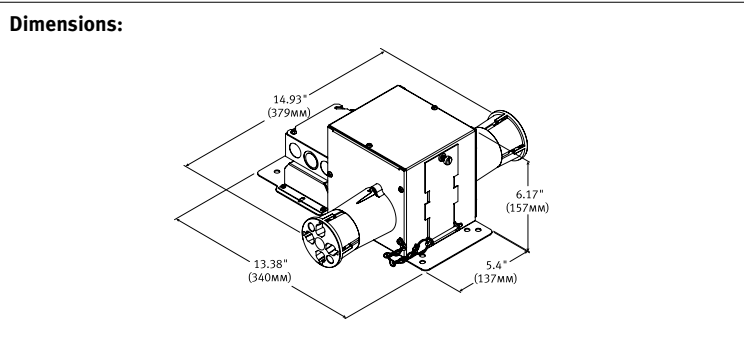
### EFO-2+2 ILLUMINATOR

**Description:**

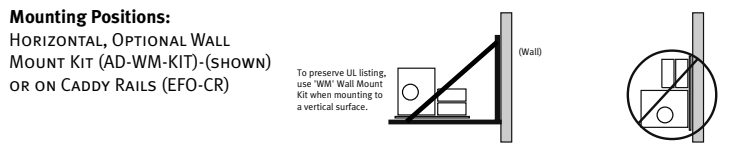
EFO-2+2 is fanless and U.L. listed for damp locations. One 68 watt lamp drives two output ports, each capable of connecting up to two 17/15mm Fiberjacks large core fibers for a total of four fixtures per illuminator. This Illuminator provides the highest light output through EFO-17/15mm fiber. The EFO-2+2 is used for interior downlighting, accent lighting, cases, cabinets and other places where a small, silent, remote light source is preferred.

<b>illuminator ordering guide</b>	<b>Model:</b> EFO-2+2	<b>Color Wheel Options:</b> 2NC 2 PORTS, WHITE LIGHT 2SC 2 PORTS, SINGLE COLOR*  * SINGLE COLOR MUST BE SPECIFIED AT TIME OF ORDER.	<b>Options:</b> OO STANDARD HARDWIRE CONNECTION PC POWER CORD/PLUG OPTION WM WALL MOUNT KIT CR CADDY RAILS, SET OF 2
	<b>Voltage Options:</b> 120 120V, 60 Hz 240 240V, 50/60 Hz		

<b>Specifications:</b> <b>Maximum Exposure Rating:</b> DAMP LOCATION <b>Ventilation:</b> FANLESS <b>Thermal Output:</b> 350 BTU/HR <b>Acoustic Rating (dB):</b> NOISELESS <b>Weight:</b> 10 LBS <b>Rec. Mounting Clearance:</b> 12" <b>Operating Temperature:</b> 5° TO 45° C <b>Storage Temperature:</b> -20° TO 85° C <b>Continuous Load @ 120V:</b> 0.7 AMPS <b>Startup Load @ 120V:</b> 1.0 AMPS <b>Replacement Lamps:</b> EFO-068, EFO-068-D, EFO-068-SC, EFO-068-SC-D  <b>Lamp Wattage:</b> 68W <b>Lamp Type:</b> HID METAL HALIDE <b>Lamp Life:</b> 6000 HOURS AVERAGE <b>Restrike Delay:</b> 3 MINUTES <b>Color Temperature:</b> 3500° K <b>CRI:</b> 70 <b>Materials:</b> POWDER COATED METAL, INJECTION MOLDED PLASTIC  <b>Color Filter Options:</b> (single color) APPLE-GREEN, AMBER, AQUA, DARK BLUE, MAGENTA, INCANDESCENT, MEDIUM BLUE, GREEN, ORANGE, TEAL
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**Technical Remarks:**  
 Any one color from the Color Filter Options may be added to the lamp. The colors can be different if desired. Add 10" (250mm) to length dimension of stranded fiber and 20" (500mm) for large core fiber to accommodate the fiber bending radius. Port plugs available to block light leakage for unused Fiberjacks.



# EFO-1+1 ILLUMINATOR

## description\_ordering\_guide\_specifications



68 watt metal halide



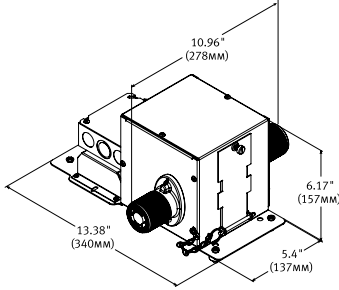
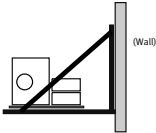
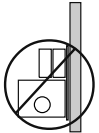
### EFO-1+1 ILLUMINATOR

#### Description:

The EFO-1+1 is fanless and is U.L. listed for damp locations. The award winning illuminator features a 68 watt metal halide lamp driving two output ports intended for use with up to 10 Opticore® large core fibers, but can also be used with 1,000 stranded FSPT fibers\*. The 68 watt metal halide lamp is coupled with Fiberstars' patented CPC reflectors to create the most efficient fiber optic illuminator in the world. The EFO-1+1 is used for interior downlighting, accent lighting, cases, cabinets and other places where a small, silent, remote light source is preferred. Previously known as "AD."

\*For information on stranded fiber consult Fiberstars Commercial Products Catalog, Volume 1.

<b>illuminator ordering guide</b>	<b>Model:</b> EFO-1+1	<b>Color Wheel Options:</b> <b>2NC</b> 2 PORTS, WHITE LIGHT <b>2SC</b> 2 PORTS, SINGLE COLOR*  * SINGLE COLORS MUST BE SPECIFIED AT TIME OF ORDER.	<b>Options:</b> <b>00</b> STANDARD HARDWIRE CONNECTION <b>PC</b> POWER CORD/PLUG OPTION <b>WM</b> WALL MOUNT KIT <b>CR</b> CADDY RAILS, SET OF 2
	<b>Voltage Options:</b> <b>120</b> 120V, 60 Hz <b>240</b> 240V, 60 Hz/50Hz		

<b>Specifications:</b> <b>Maximum Exposure Rating:</b> DAMP LOCATION <b>Ventilation:</b> FANLESS <b>Thermal Output:</b> 350 BTU/HR <b>Acoustic Rating (dB):</b> NOISELESS <b>Weight:</b> 10 LBS <b>Rec. Mounting Clearance:</b> 12" <b>Operating Temperature:</b> 5° TO 45° C <b>Storage Temperature:</b> -20° TO 85° C <b>Continuous Load @ 120V:</b> 0.7 AMPS <b>Startup Load @ 120V:</b> 1.0 AMPS <b>Replacement Lamp:</b> EFO-068, EFO-068-D, EFO-068-SC, EFO-068-SC-D  <b>Lamp Wattage:</b> 68W <b>Lamp Type:</b> HID METAL HALIDE <b>Lamp Life:</b> 6000 HOURS AVERAGE <b>Restrike Delay:</b> 3 MINUTES <b>Color Temperature:</b> 3500° K <b>CRI:</b> 70 <b>Materials:</b> POWDER COATED METAL, INJECTION MOLDED PLASTIC  <b>Color Filter Options: (single color)</b> APPLE-GREEN, AMBER, AQUA, DARK BLUE, MAGENTA, INCANDESCENT, MEDIUM BLUE, GREEN, ORANGE, TEAL	<b>Dimensions:</b>  
	<b>Technical Remarks:</b> Any one color from the Color Filter Options may be added to the lamp. The colors can be different if desired. Add 10" (250mm) to length dimension of stranded fiber and 20" (500mm) for large core fiber to accommodate the fiber bending radius. Zero port connectors available to block light leakage for unused ports.
	<b>Mounting Positions:</b> HORIZONTAL, OPTIONAL WALL MOUNT KIT (AD-WM-KIT)-(SHOWN) OR ON BAR HANGERS (EFO-CR) <div style="display: flex; align-items: center; margin-top: 10px;"> <div style="font-size: small; margin-right: 10px;">To preserve UL listing, use "WM" Wall Mount Kit when mounting to a vertical surface.</div>   </div>

# EFO AG ILLUMINATOR

## description\_ordering\_guide\_specifications



### EFO-AG ILLUMINATOR

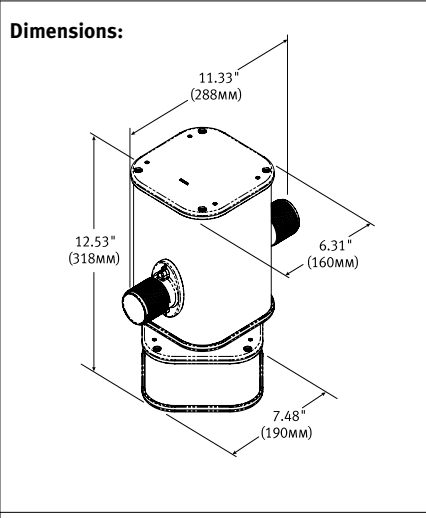
**Description:**

The EFO-AG is fanless, completely sealed and U.L. listed for wet locations. This award winning illuminator features a 68 watt metal halide lamp driving two output ports for a total capacity of 1,000 stranded fibers\* and large core fiber harnesses. Utilizing CPC reflector technology, this unit delivers an unprecedented 45 port lumens per watt. The EFO-AG can be used in outdoor and indoor applications, such as accent lighting, fountains, signage, and building highlights.

\*For information on stranded fiber consult Fiberstars Commercial Products Catalog, Volume 1.

<b>illuminator ordering guide</b>	<p><b>Model:</b> EFO-AG</p>	<p><b>Color Wheel Options:</b>  <b>WW</b> 2 PORTS, WHITE LIGHT  <b>2SC</b> 2 PORTS, 2 SINGLE COLORS  <b>CCS</b> 2 PORTS, 2 FOUR-COLOR WHEELS (SYNCHRONIZED WITHIN THE ILLUMINATOR ONLY)</p> <p>* COLORS AND SEQUENCES MUST BE SPECIFIED AT TIME OF ORDER.</p>	<p><b>Options:</b>  <b>005</b> STANDARD HARDWIRE CONNECTION  <b>PC5</b> POWER CORD/PLUG OPTION</p>
	<p><b>Voltage Options:</b>  <b>120</b> 120V, 60 Hz  <b>240</b> 240V, 50/60 Hz</p>		

<p><b>Specifications:</b>  <b>Maximum Exposure Rating:</b> WET LOCATION  <b>Ventilation:</b> FANLESS  <b>Thermal Output:</b> 350 BTU/HR  <b>Acoustic Rating (dB):</b> NOISELESS  <b>Weight:</b> 15 LBS  <b>Rec. Mounting Clearance:</b> 12"  <b>Operating Temperature:</b> 5° TO 35° C  <b>Storage Temperature:</b> -20° TO 85° C  <b>Continuous Load @ 120V:</b> 0.7 AMPS  <b>Startup Load @ 120V:</b> 1.0 AMPS  <b>Replacement Lamp:</b> EFO-068-AG, EFO-068-AG-SC  <b>Lamp Wattage:</b> 68W  <b>Lamp Type:</b> HID METAL HALIDE  <b>Lamp Life:</b> 6000 HOURS AVERAGE  <b>Restrike Delay:</b> 3 MINUTES  <b>Color Temperature:</b> 3500° K  <b>CRI:</b> 70  <b>Materials:</b> POWDER COATED CAST ALUMINUM, INJECTION MOLDED PLASTIC  <b>Color Filter Options:</b> APPLE-GREEN, AMBER, AQUA, DARK BLUE, MAGENTA, INCANDESCENT, MEDIUM BLUE, GREEN, ORANGE, TEAL  <b>Color Filter Options:</b> (single color)  <b>Color Filter Options:</b> (color wheel) AQUA, MAGENTA, GREEN, YELLOW, NO COLOR</p>
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**Technical Remarks:**  
 EFO-AG is available with two synchronized, 4-color wheels using the colors indicated. Both ports emit the same color simultaneously. Any one color from the Color Filter Options may be added to the lamp. The colors can be different if desired. Add 10" (250mm) to length dimension of stranded fiber and 20" (500mm) for large core fiber to accommodate the fiber bending radius. Add one inch to overall height for 240V EFO-AG.

