

Function

Crystal's Starburst Laminar produces a 1/2" (12mm) diameter glass-like rod of water with a traveling "starburst" of light from opening to end of the water stream. This playful effect is produced by the "Starburst Kit" and choice of built-in fiber optic or 12VDC/8W RGBW LED to produce breathtaking light shows that delight viewers of all ages.

Specifications

Construction of fixture shall be high-density polyethylene, ABS, brass and stainless steel.

- Water inlet:

1" (25mm) male N.P.T.
- Fiberoptic lighting:  
(WMV107/111)

Fiber Optic and hardware included. Lighting will be activated by installing fiberoptic cable (100 strands) an illuminator (min. 150W HID metal halid commerical quality). Cable and illuminator not included.
- LED lighting:  
(WMV127/129)

12 VDC, 5 Watt built-in. STW 18/4 cable required and to be ordered separately.
- Drain (WMV111/129):

2" (50mm) male N.P.T.

CE marking. IP68, submersible rated.

Choose Your Starburst Laminar

| CHOOSE LIGHTING AND MOUNTING                |          |          |
|---------------------------------------------|----------|----------|
| Lighting                                    | Mounting | Part No. |
| no light or optional<br>Fiberoptic Lighting | Stand    | WMV107   |
|                                             | Niche    | WMV111   |
| RGBW LED                                    | Stand    | WMV127   |
|                                             | Niche    | WMV129   |

| CHOOSE CABLE                   |                                    |               |              |
|--------------------------------|------------------------------------|---------------|--------------|
| Cable for...                   | Cable Type                         | Cable Length  | Part No.     |
| WMV107 or WMV111<br>(optional) | Fiberoptic Cable<br>100 Strand     | per feet      | FTJ100       |
| WMV127                         | North American Cable<br>STW 18/5   | 9 feet (3m)   | ELCORD007L09 |
|                                |                                    | 20 feet (6m)  | ELCORD007L20 |
|                                |                                    | 60 feet (18m) | ELCORD007L60 |
|                                | European cable<br>5X1mm HO5RN-F    | 3m (9 feet)   | ELCORD007M03 |
|                                |                                    | 6m (20 feet)  | ELCORD007M06 |
|                                |                                    | 18m (60 feet) | ELCORD007M09 |
| WMV129                         | LED Cable is included with Laminar |               |              |

EXAMPLE OF HOW TO ORDER

| Quantity | Product                          | Part No.     |
|----------|----------------------------------|--------------|
| 1        | LED Starburst Laminar with Stand | WMV127       |
| 1        | 9 ft. Cable                      | ELCORD007L09 |



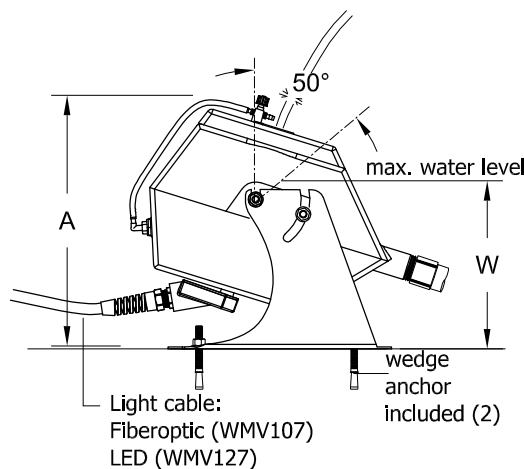
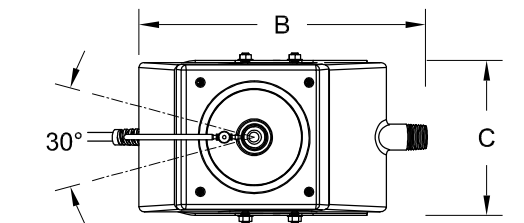
WMV107/WMV127



WMV111



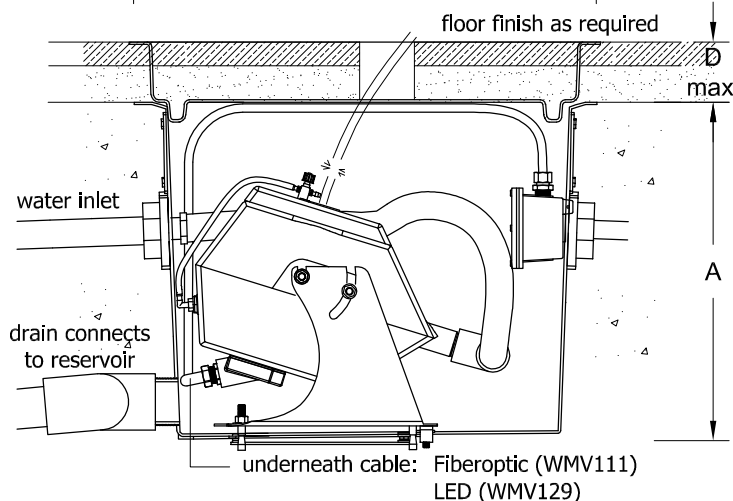
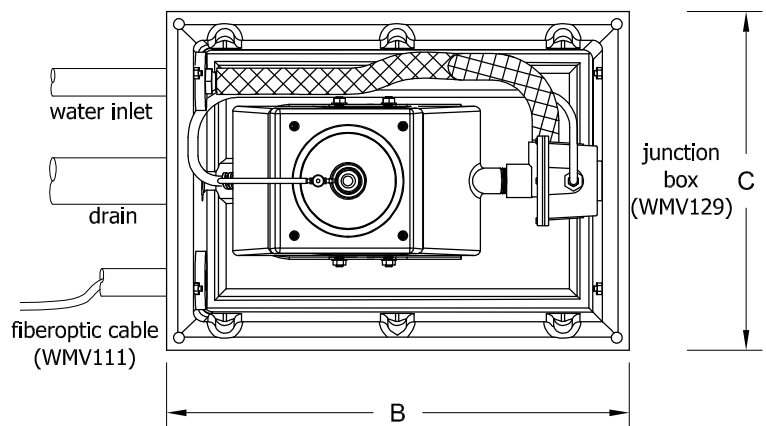
WMV129



maintenance  
Allen key  
included



control  
"globe"  
valve  
(brass)  
included



## Dimensions

| Part No.               | A   | B   | C   | W      |
|------------------------|-----|-----|-----|--------|
| WMV107<br>or<br>WMV127 | 11" | 14" | 8"  | 8 1/2" |
|                        | 280 | 355 | 200 | 215 mm |

## Dimensions

| Part No.               | A       | B       | C   | D     |
|------------------------|---------|---------|-----|-------|
| WMV111<br>or<br>WMV129 | 16 1/2" | 22 3/4" | 17" | 3"    |
|                        | 420     | 580     | 430 | 75 mm |

## Notes

- Filtered water supply required, recommended using cartridge type filter as a minimum (50 micron maximum for residential use). For the optimal installation (commercial) use 5 micron bag filters to minimize the maintenance.
- Contact Crystal Fountains for detailed specification, installation and operation details.
- Refer to wiring diagrams on page 3.

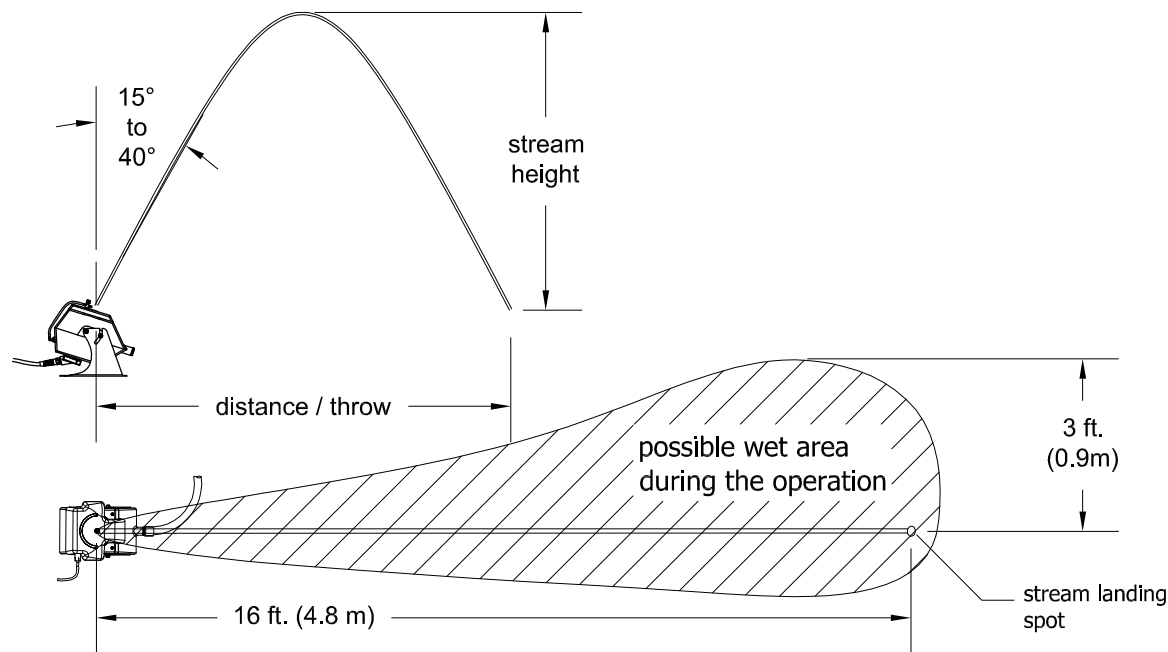
## WMV107 and WMV111

- Customer can choose to run Laminar with or without lighting. Starburst effects can be created with other light source such as fountain lights, however Crystal Fountains built-in Fiberoptic or RGBW LED produces the optimum performance. Contact Crystal Fountains for recommendation of illuminator.

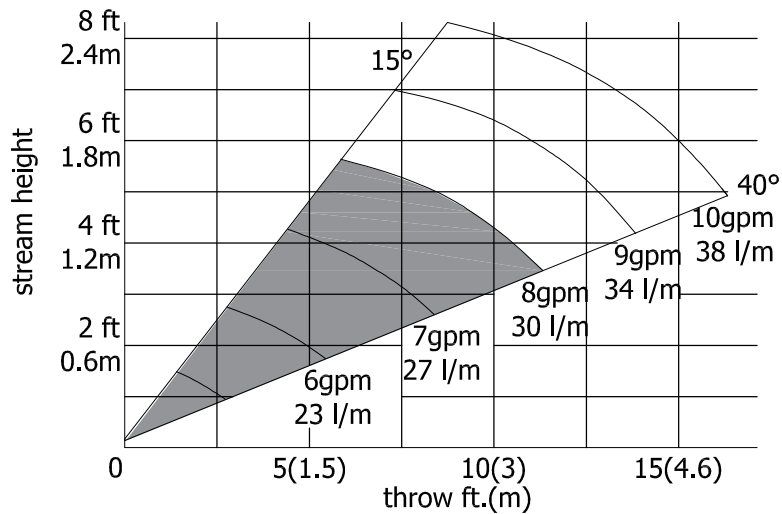
## WMV127 and WMV129

- LEDPS Series Power/Data supply to be ordered separately.
- Only use Crystal Fountains' Animation Panel, to be ordered separately.
- Must be installed by licensed electrician to comply with local electrical code.

Performance



Performance Chart

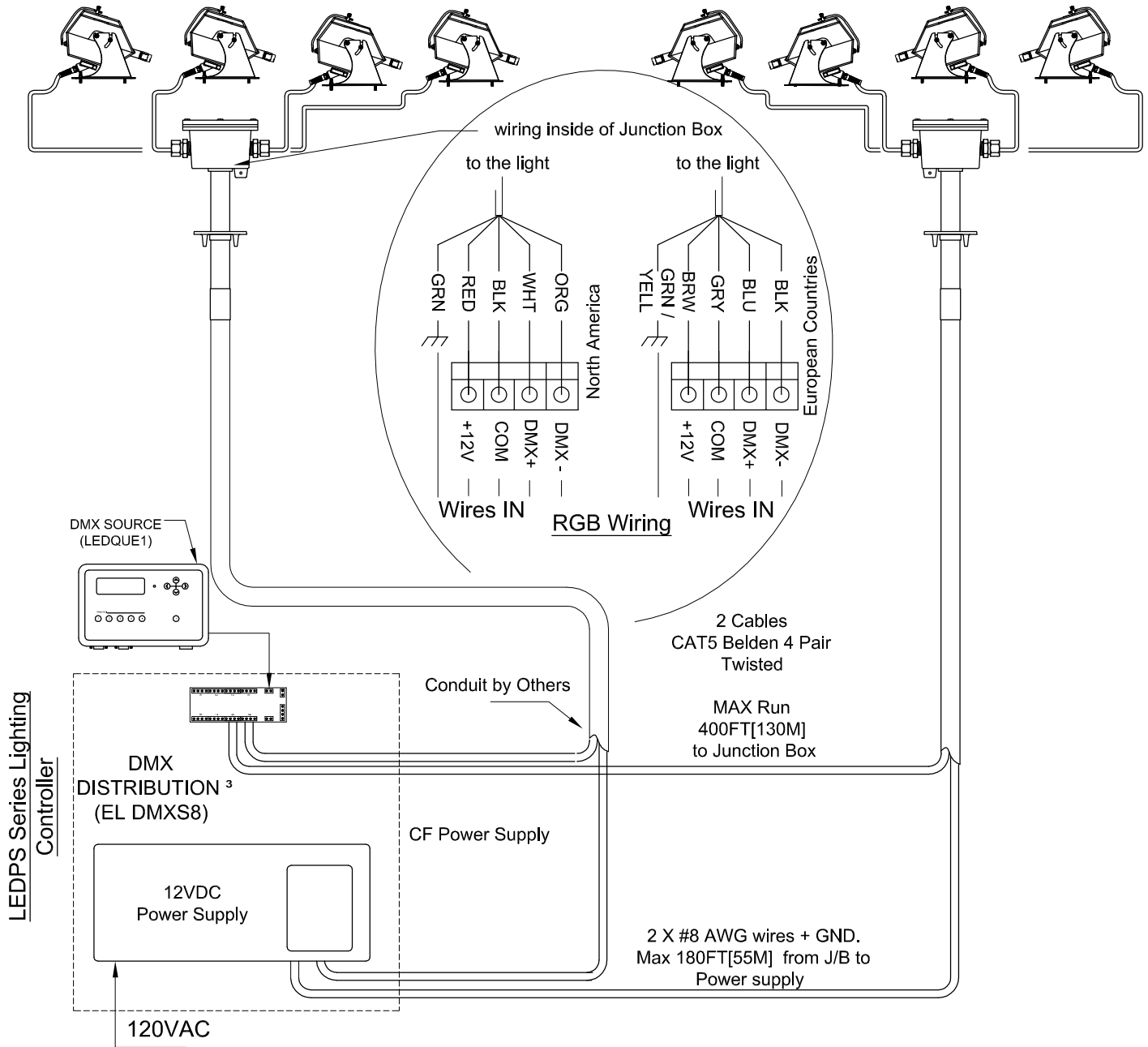


- Silent landing below 8 US gpm (30 L/min)
- For optimum laminar effect, use shaded area of chart
- For interactive play do not exceed 20 ft/sec or 12.2 US gpm (6.1m/sec or 46.2 L/min.)

Flow & Head Requirement

|      |        |      |      |      |      |      |
|------|--------|------|------|------|------|------|
| flow | USgpm  | 6    | 7    | 8    | 9    | 10   |
|      | L/min. | 22.7 | 26.5 | 30.3 | 34.1 | 37.9 |
| head | feet   | 3.5  | 4.9  | 6.2  | 7.2  | 9.5  |
|      | meters | 1.1  | 1.5  | 1.9  | 2.2  | 2.9  |

# 1. WMV127



## Notes:

1. For more details and wiring in Option 1 refer to Crystal Fountains LEDPS cutsheets.
3. MAX. 8 lights per DMX Distribution board.
4. Voltage at light shall be no less than 12VDC.
5. For Single run do not exceed 400FT [130M] of CTA5 Cable.

See notes on page 2.

**2. WMV129**

wiring inside of Junction Box  
to the light

North America

European Countries

Wires IN

RGB Wiring

Wires IN

DMX SOURCE (LEDQUE1)

DMX DISTRIBUTION<sup>3</sup> (EL DMXS8)

12VDC Power Supply

120VAC

Conduit by Others

CF Power Supply

2 Cables  
CAT5 Belden 4 Pair  
Twisted

MAX Run  
400FT[130M]  
to Junction Box

2 X #8 AWG wires + GND.  
Max 180FT[55M] from J/B to  
Power supply

See notes on page 2.

Wiring Diagrams

3. WMV107 or WMV111

