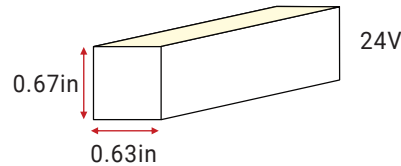


# Aqueon® Diffuse Pixel RGB & RGBW - Color Chasing

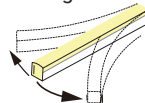


Aqueon Diffuse Pixel, color changing, provides the ultimate effects and endurance standards for flexible lighting allowing discrete control every 4" using a 3 wire SPI decoder. Available in both vertical and horizontal bending. IP67 or IP68 submersible UV and chemical resistant encapsulation. Premium Nichia LEDs with 3 step MacAdam CCT (Single bin) for accurate color rendering, minimal color shift and exceptional color consistency. Premium color rendition with a CRI of 95. Dynamic and dramatic effects are controlled with precision through DMX programming.

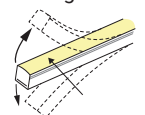
- Submersible; UL Listed, 676
- Horizontal or Vertical bending options
- End to end continuous illumination
- Up to 49.2ft continuous run; flood and vibration proof
- Cuttable every 3.28"
- Pixel RGB and RGBW options
- RGBW's White LED is available in 2700K, 3000K and 4000K
- 11.8" minimum bending diameter (5.5" minimum bending radius)
- 3 year limited warranty; 50,000hrs white, 100,000hrs color
- Dimmable with Pulse Width Modulation & DMX
- UV/IR protected PVC encapsulation
- Ambient working temperature -4°F - 113°F

## PART NUMBER & SPECIFICATIONS

Horizontal Bending Model



Vertical Bending Model



Part #	CCT	Max. Length	LEDs/ft	Lm/ft	W/ft
052248	RGB	49.2ft	25	45.7	2.44
052247	RGBW-27K	49.2ft	25	74.7	3.66
052244	RGBW-30K	49.2ft	25	74.7	3.66
052246	RGBW-40K	49.2ft	25	74.7	3.66
052243	RGB	49.2ft	25	45.7	2.44
052242	RGBW-27K	49.2ft	25	74.7	3.66
052240	RGBW-30K	49.2ft	25	74.7	3.66
052241	RGBW-40K	49.2ft	25	74.7	3.66

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Project

Type

Date

## ACCESSORIES

Factory assembled LED strips offer a variety of IP68 connectors with customizable cord lengths. See pg 2.



## MOUNTING

Various plastic, aluminum and stainless steel mounting options. See pg 3.

## POWER SUPPLIES

24V DC Power Supplies ranging from 25W-300W.



### ELV 0-10V; IP20, 120-277V

25W #011380

40W #011381

### ELV 0-10V; IP67, 120-277V

60W #011382

75W #011383

100W #011384



### Magnetic 0-10V; IP67, 120V

20W #011350

40W #011351

50W #011352

60W #011353

96W #011354

100W #011355

150W #011356

200W #011357

300W #011358

### Magnetic 0-10V; IP67, 277V

60W #011359

150W #011360



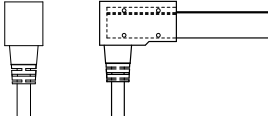
Specifications are correct at the time of publishing, but may be modified or improved in accordance with current electrical, safety or manufacturing methods without notification.

# Aqueon® Diffuse Pixel RGB & RGBW - Color Chasing

## CONNECTORS & ACCESSORIES

Factory assembled 3-wired Aqueon Pixel IP68 submersible accessories include end caps, extension cords and connectors with customizable cord lengths. IP67 self assembly connectors are also available.

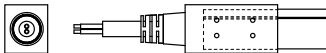
### Factory installed IP68 accessories



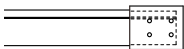
**Bottom Feed Connector, 16'L**  
#052255-CU16



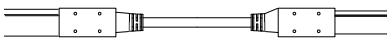
**Side Feed Connector, 16'L**  
#052257-CU16



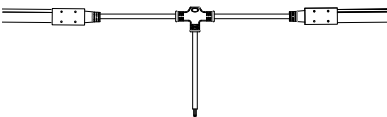
**End Connector, 16'L**  
#052256-CU16



**End Cap**  
#052286

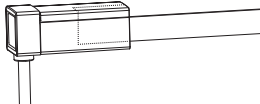


**Extension**  
#052270

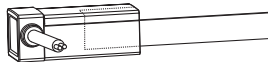


**T-Connector**  
#052272

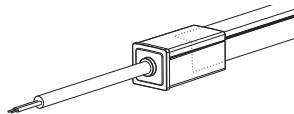
### Snap field-installed IP67 accessories



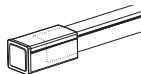
**Bottom Snap Connector, 16'L**  
#052255S-CU16



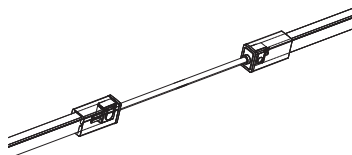
**Side Feed Snap Connector, 16'L**  
#052257S-CU16



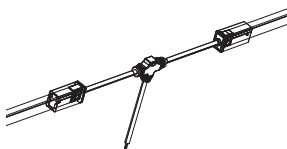
**End Snap Connector, 16'L**  
#052256S-CU16



**Snap End Cap**  
#052286S



**Snap Extension**  
#052270S



**Snap T-Connector**  
#052272S

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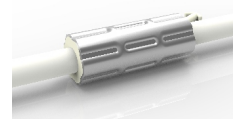
Project

Type

Date

## ANTI-WICKING

All connections include a ferrule on the power feed to prevent water wicking through the connection point.



## CONTROLLERS

RGB/RGBW SPI & PWM Controllers



**DMX512 SPI Converter Decoder**

#050205



**LT-200 SPI Controller**

#050203



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# Aqueon® Diffuse Pixel RGB & RGBW - Color Chasing

## MOUNTING

PET and Aluminum mounting channels to match any installation.

### Aluminum Channel



- High-quality Aluminum
- Light-weight
- Cost-Effective
- Available with a Flange for Recessed Installation

3'3"L - #053000  
1.38"L - #053001

### Flanged Aluminum Channel



- High-quality Aluminum
- Light-weight
- Cost-Effective
- Flange for Recessed Installation

3'3"L - #053002  
1.38"L - #053003

### Serrated Aluminum Channel



- Light-weight
- Easy to Install & Dismantle
- Continuous & Strong Gripping
- For Suspended Installations
- Available with a Flange for Recessed Installation

3'3"L - #053008  
0.8"L - #053009

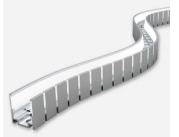
### Flanged Serrated Aluminum Channel



- Light-weight
- Easy to Install & Dismantle
- Continuous & Strong Gripping
- Flange for Recessed Installation

3'3"L - #053010  
0.8"L - #053011

### Bendable Serrated Aluminum Channel



- High-quality Aluminum
- Easy to Install & Dismantle
- Continuous & Strong Gripping
- Memory Retaining
- Perfect for Curved Installations

3'3"L - #053012  
1.7"L - #053013

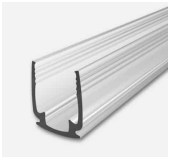
### Hybrid Channel



- Flexible with a ridged base
- PET & Aluminum

3'3"L - #053006  
1.38"L - #053007

### PET Channel



- Corrosion proof for Submersion Resistance
- Light-weight easily cuttable

3'3"L - #053004  
1.38"L - #053005

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Project

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