Aqueon® Diffuse RGB & RGBW

24V

0.67in
0.63in
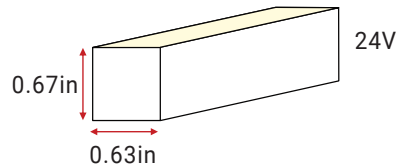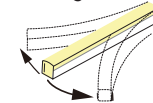
Structurally superior for the most discerning applications, submersible; flood and vibration proof. Advanced circuit design with military grade components. Aqueon RGB & RGBW, color mixing, used to create custom effects for any application. Available in both vertical and horizontal bending. IP67 or IP68-tested for use in the most adverse environment. Premium Nichia LEDs for accurate color rendering, and exceptional color consistency. Fully dimmable.
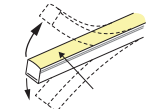
- Submersible; UL Listed, 676
- Horizontal or Vertical bending options
- End to end continuous illumination
- Up to 49.2ft continuous runs for RGB and 33ft for RGBW. Flood and vibration proof
- Cuttable every 3.28"
- Static RGB and RGBW options
- RGBW's White LED is available in 2700K, 3000K and 4000K
- 11.8" minimum bending diameter; 5.5" minimum bending radius
- 3 year limited warranty; 50,000hrs white, 100,000hrs color
- Dimmable 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
052245	RGB	49.2ft	22	45.7	1.83
052265	RGBW-27K	33ft	25	74.7	2.74
052273	RGBW-30K	33ft	25	74.7	2.74
052282	RGBW-40K	33ft	25	74.7	2.74
052235	RGB	49.2ft	22	45.7	1.83
052264	RGBW-27K	33ft	25	74.7	2.74
052271	RGBW-30K	33ft	25	74.7	2.74
052281	RGBW-40K	33ft	25	74.7	2.74

ORGANIC LIGHTING®

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
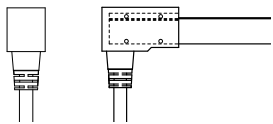60W #011359
150W #011360

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 RGB & RGBW

CONNECTORS & ACCESSORIES

Factory assembled 4-wired Aqueon RGB and 5-wired RGBW IP68 submersible accessories include end caps, extension cords and connectors with customizable cord lengths. IP67 self assembly connectors are also available.

Project

Type

Date

Factory Assembled IP68 Connectors

RGB Bottom Feed Connector, 16'L
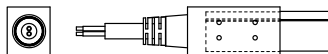#052253-CU16

RGBW Bottom Feed Connector, 16'L
#052260-CU16

RGB Side Feed Connector, 16'L
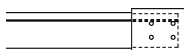#052254-CU16

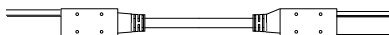**RGBW Side Feed Connector, 16'L**
#052261-CU16

RGB End Connector, 16'L
#052252-CU16

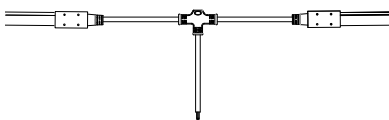**RGBW End Connector, 16'L**
#052259-CU16

End Cap
#052286

RGB Extension
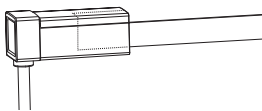#052274

RGBW Extension
#052275

RGB T-Connector
#052276
RGBW T-Connector
#052277

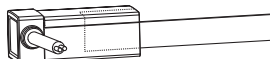### Field Assembly Snap on IP67 Connectors

RGB Bottom Snap Connector, 16'L
#052253S-CU16

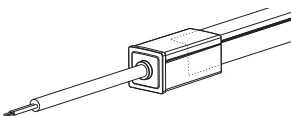**RGBW Bottom Snap Connector, 16'L**
#052260S-CU16

RGB Side Feed Snap Connector, 16'L
#052254S-CU16
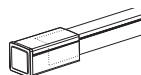
RGBW Side Feed Snap Connector, 16'L
#052261S-CU16
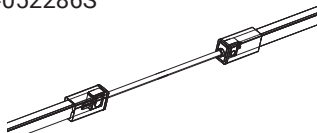
RGB End Snap Connector, 16'L
#052252S-CU16

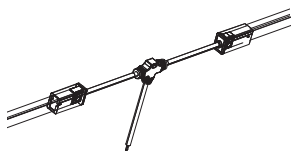**RGBW End Snap Connector, 16'L**
#052259S-CU16

Snap End Cap
#052286S

RGB Snap Extension
#052274S

RGBW Snap Extension
#052275S

RGB Snap T-Connector
#052276S

RGBW Snap T-Connector
#052277S

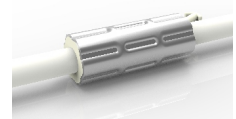## ANTI-WICKING

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

CONTROLLERS

RGB/RGBW DMX/ Dali/0-10V Control, 4 control channels.

Digital Controller
100W #011343
180W #011344
720W #011345

Digital Controller & Power Supply Combination
100W #011341

IP68 | RoHS 2002/95/EC | UL

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Aqueon® Diffuse RGB & RGBW

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

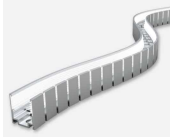3'3"L - #053008
0.8"L - #053009

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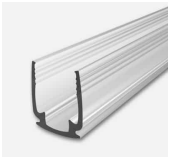
3'3"L - #053012
1.7"L - #053013

Hybrid Channel

- Flexible with a rigid base
- PET & Aluminum

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

PET Channel

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

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

IP68   RoHS 2002/95/EC   UL

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