



BA42WET



BA42WET REEL



**Features**

BA42WET series is a Contractor Grade, efficient, field configurable and durable waterproof LED strip suitable for wet installations.

**Mounting**

BA strip is equipped with 3M™ adhesive transfer tape.

**Applications**

Outdoor and wet locations - cove lighting, architectural accent, handrail, wet bars.

**Approvals**

Class 2 wet listed

**Operating voltage**

24 VDC

**Average Life (L70)**

50,000 hours

**Warranty**

3 years



**Technical information**

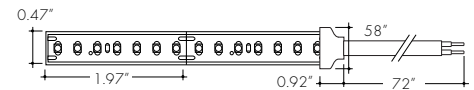
TYPE	BA42WET		
OUTPUT OPTIONS	SO	HO	VHO
Lumens Output (3000K)	145 lm/ft	304 lm/ft	446 lm/ft
Average Power Consumption (for a 4" section)	2.0 W/ft	4.0 W/ft	6.0 W/ft
Efficacy	73 lm/W	76 lm/W	74 lm/W
Cutting Increment (in)	1.97"		
Pitch Length	0.28"		
Max Run Length (in series to 30W)	14 ft	7 ft	4 ft
Max Run Length (in series to 60W)	40 ft	16 ft	10 ft
Max Run Length (in series to 96W)	50 ft	30 ft	24 ft
Dimensions	0.47"W x 0.24" H		
Operating Temperature	-40°F - 104°F (-40° C - 40° C)		

CCT	Multiplier (reference - 3000K)	CRI
2700K	0.91	90
3200K	1.00	90
4300K	1.09	90

**Section Start/End Options**

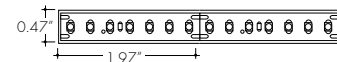
**SW65**

IP65 Soldered lead wires (72")



**NC**

No Connector



**Ordering code**

MODEL	OUTPUT	CCT	SECTION START	SECTION END	LENGTH
BA42WET - Basics IP65 Strip	SO - Standard HO - High VHO - Very High	27K - 2700K 32K - 3200K 43K - 4300K	(Leave blank for Reels)	(Leave blank for Reels)	R16 - Reel, 16ft <sup>1</sup> R50 - Reel, 50ft <sup>2</sup>
			SW65 - IP65 Soldered lead wires (72") NC - No connector	SW65 - IP65 Soldered lead wires (72") NC - No connector	___ - Nominal Length, 1 ft increments <sup>3</sup>

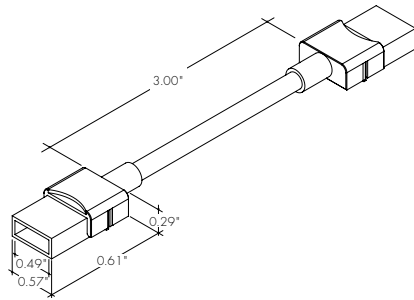
1 - R16, 16 ft reels include 3 each of BA-WET-PFC-10-39, BA-WET-PJC-10-3 and EC-10MM-WET, with one SIL-502-RTV  
2 - R50, 50 ft reels include 6 each of BA-WET-PFC-10-39, BA-WET-PJC-10-3 and EC-10MM-WET, with one SIL-502-RTV  
3 - Ordered in one foot increments. See chart above for max run length.

### Minii Connectors

Minii connectors are easy, field-installable accessories that make joining BA42WET strip simple! Their minimal width allows them to fit into extrusions, while their transparent frame eliminates dark spots.

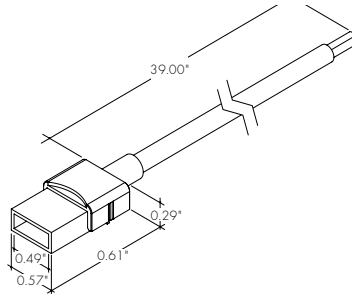
#### BA-WET-PJC-10-3

Wet jumper minii connector with 3" wire for BA42WET LED strip

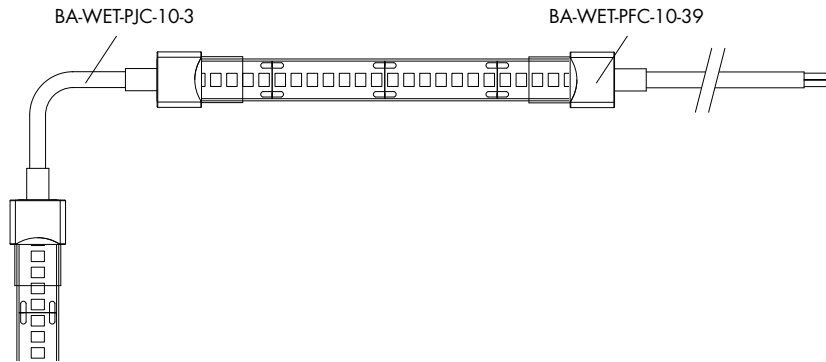


#### BA-WET-PFC-10-39

Wet Power feed minii connector with 39" wire for BA42WET Wet LED strip



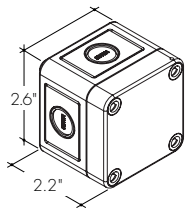
### Sample Layout



### Accessories

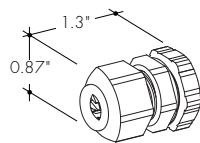
#### LVSP-WET

Splice box: wet rated, low voltage, gray



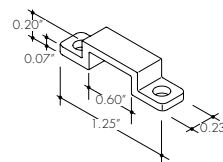
#### LVSP-WET-CM

Splice box connector, low voltage, gray



#### CL2

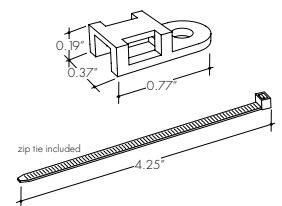
Mounting clip



Recommended every 12" when lineLED strip is facing down

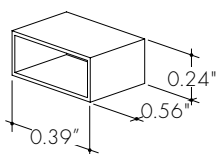
#### LL-ZIP

Cable/Wire Strain Relief Clip



#### EC-10MM-WET

Silicone End Cap for sealing the end of BA42WET Wet LED strip



#### SIL-502-RTV

ASI 502 high performance 100% RTV silicone sealant, 2.8 fl. oz.



**Lens Options / Light Transmission**



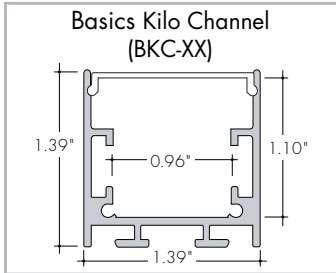
Clear



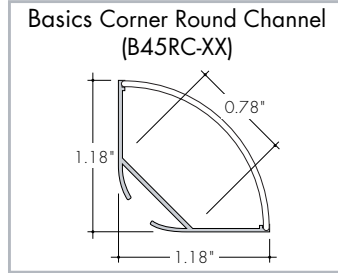
Half Frosted



Frosted



59%



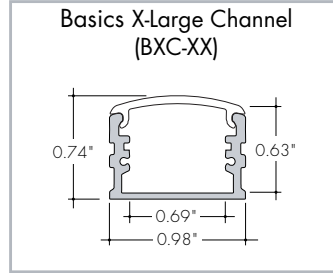
93%



85%



73%



53%

**Installation**

All mounting channels are field cuttable using miter saw with circular blade suitable for cutting aluminum.

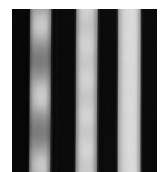
**Ordering**

Extrusions are sold separately. View respective specsheets for details on ordering extrusions and their accessories (endcaps, mounting brackets, etc).

**Led Dotting per Extrusion with BA42 Wet**

different output options may slightly vary

Extrusion	Clear Lens	Half-Frosted Lens	Frosted Lens
<b>BXC</b>	-	-	ND
<b>B45RC</b>	CD	CD	ND
<b>BKC</b>	-	ND	-



**CD SD ND**  
**CD** - Clear Dotting  
**SD** - Slight Dotting  
**ND** - No Dotting

## Voltage Drop Calculator

The below chart assumes nominal voltage of 24 Volts and a Voltage Drop Allowance of 3% through the wire

Wattage [W]	Maximum Wire Length From Power Supply to Start of Run [ft]						
	12 AWG	14 AWG	16 AWG	18 AWG	20 AWG	22 AWG	24 AWG
<b>5</b>	1088.2	684.4	430.3	270.6	170.2	107.1	67.3
<b>10</b>	544.1	342.2	215.1	135.3	85.1	53.5	33.7
<b>15</b>	362.7	228.1	143.4	90.2	56.7	35.7	22.4
<b>20</b>	272.0	171.1	107.6	67.7	42.6	26.8	16.8
<b>25</b>	217.6	136.9	86.1	54.1	34.0	21.4	13.5
<b>30</b>	181.4	114.1	71.7	45.1	28.4	17.8	11.2
<b>35</b>	155.5	97.8	61.5	38.7	24.3	15.3	9.6
<b>40</b>	136.0	85.5	53.8	33.8	21.3	13.4	8.4
<b>45</b>	120.9	76.0	47.8	30.1	18.9	11.9	7.5
<b>50</b>	108.8	68.4	43.0	27.1	17.0	10.7	6.7
<b>55</b>	98.9	62.2	39.1	24.6	15.5	9.7	6.1
<b>60</b>	90.7	57.0	35.9	22.6	14.2	8.9	5.6
<b>65</b>	83.7	52.6	33.1	20.8	13.1	8.2	5.2
<b>70</b>	77.7	48.9	30.7	19.3	12.2	7.6	4.8
<b>75</b>	72.5	45.6	28.7	18.0	11.3	7.1	4.5
<b>80</b>	68.0	42.8	26.9	16.9	10.6	6.7	4.2
<b>85</b>	64.0	40.3	25.3	15.9	10.0	6.3	4.0
<b>90</b>	60.5	38.0	23.9	15.0	9.5	5.9	3.7
<b>96</b>	56.7	35.6	22.4	14.1	8.9	5.6	3.5

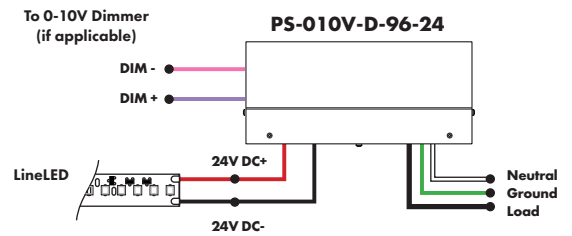
### Power Supplies

See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

#### 0-10V - 5% Dimming

MODEL	INPUT CONTROL	LOCATION	WATTAGE	OUTPUT
PS - Power Supply, 120-277VAC	010V - 0-10V Dimming	D - Dry	96 - 96 W	24 - 24 VDC

MODELS	96W
Length	8.29"
Width	4.10"
Depth	1.59"

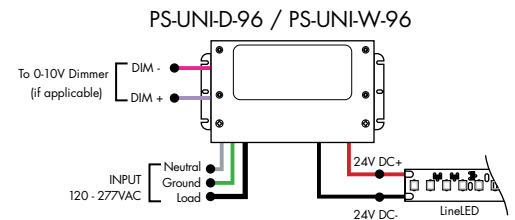


#### Ordering Code Universal Dimming Power Supplies 1% 120VAC - 277VAC

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS - Power Supply, 120-277VAC	UNI - 0-10V Dimming, Phase Dimming	D - Dry W - Wet	30 - 30 Watts 60 - 60 Watts 96 - 96 Watts 3x96 - 3x96 Watts	24 - 24 VDC

Compatibility: View a complete list of compatible dimmers on product page [Link](#)

0-10V - 1% dimming  
MLV/ELV/TRIAC - 1% dimming, consult dimming compatibility chart



MODELS	PS-UNI-W-30W	PS-UNI-W-60W	PS-UNI-W-96W	PS-UNI-W-3X96W	PS-UNI-D-30W	PS-UNI-D-60W	PS-UNI-D-96W	PS-UNI-D-3X96W
Length	6.50"	7.40"	8.66"	11.85"	8.77"	8.77"	8.11"	9.94"
Width	3.73"	3.73"	3.73"	4.32"	4.27"	4.27"	5.60"	7.61"
Depth	1.61"	1.61"	1.61"	1.81"	1.83"	1.83"	1.83"	2.02"

#### Ordering Code Non-Dimming Power Supply 120VAC - 277VAC

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS - Power Supply, 120-277VAC	ND - Non Dimming	D - Dry	96 - 96 Watts	24 - 24 VDC

MODELS	96W
Length	14.40"
Width	5.20"
Depth	2.60"

