

Features

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



BA42WET



BA42WET REEL



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

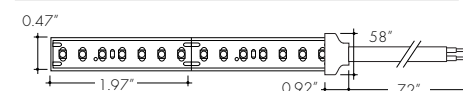
TYPE	BA42WET		
OUTPUT OPTIONS	SO	HO	VHO
Lumens Output (3000K)	145 lm/ft	304 lm/ft	446 lm/ft
Average Power Consumption (for a 4' section)	2.0 W/ft	4.0 W/ft	6.0 W/ft
Efficacy	73 lm/W	76 lm/W	74 lm/W
Ordering Increment (in)	1.97"		
Pitch Length	0.28"		
Max Run Length (in series to 30W)	14 ft	7 ft	4 ft
Max 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		
Ambient Operating Temperature Range*	-40°F -104°F (-40° C - 40° C)		

CCT	Multiplier (reference - 3000K)	CRI
2700K	0.91	90
3000K	1.00	90
4000K	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 30K - 3000K 40K - 4000K	(Leave blank for Reels)	(Leave blank for Reels)	R16 - Reel, 16ft ¹ R50 - Reel, 50ft ²
			SW65 - IP65 Soldered lead wires (72") NC - No connector	SW65 - IP65 Soldered lead wires (72") NC - No connector	— - Nominal Length, 1 ft increments ³

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

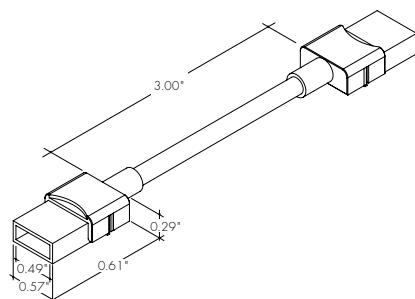
3 - Ordered in one foot increments. See chart above for max run length.

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.

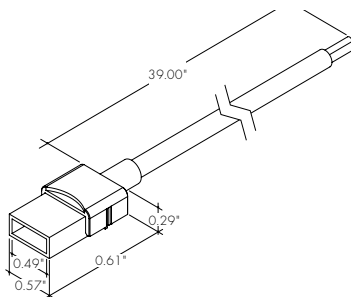
BA-WET-PJC-10-3

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

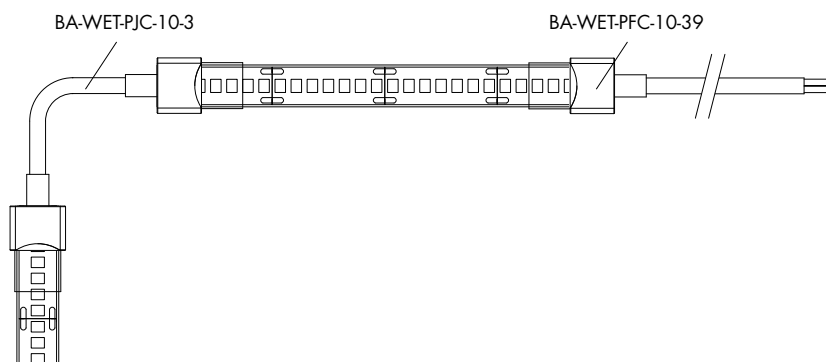


BA-WET-PFC-10-39

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



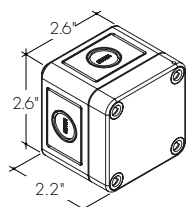
Sample Layout



Accessories

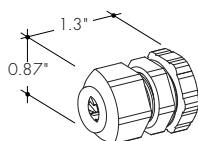
LVSP-WET

Splice box: wet rated, low voltage, gray



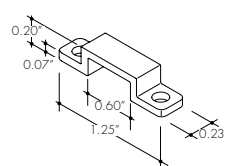
LVSP-WET-CM

Splice box connector, low voltage, gray



CL2

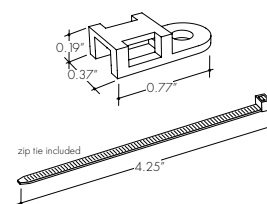
Mounting clip



Recommended every 12" when LineLED strip is facing down

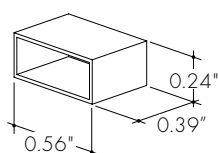
LL-ZIP

Cable/Wire Strain Relief Clip



EC-10MM-WET

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



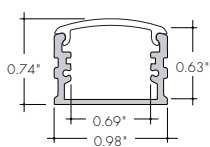
SIL-502-RTV

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



Lens Options / Light Transmission

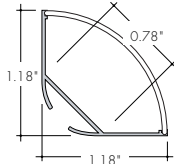
BX CHANNEL -BXC



Lens	Frosted
Transmission %	53%
Dotting*	ND

*At 100% brightness

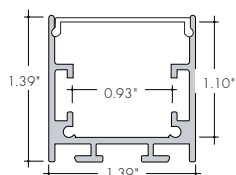
B45R CHANNEL -B45RC



Lens	Clear	Half Frosted	Frosted
Transmission %	93%	85%	73%
Dotting*	CD	CD	ND

*At 100% brightness

BK CHANNEL -BKC



Lens	Clear	Half Frosted	Frosted
Transmission %	62%	59%	45%
Dotting*	CD	SD	ND

*At 100% brightness

Installation

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

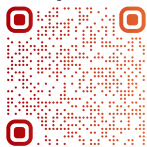
Ordering

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

Led Dotting Reference

Use complete Dotting Chart Tool online for more dotting information

Dotting Chart Tool



I'm also click-able



CD - Clear Dotting



SD - Slight Dotting



ND - No Dotting

Power Consumption

Tested at full power with PS-UNI Series power supplies.

Nominal Length	BA42WET-SO		BA42WET-HO		BA42WET-VHO	
	W/ft	Total Wattage	W/ft	Total Wattage	W/ft	Total Wattage
1	2.27	2.27	4.54	4.54	6.95	6.95
2	2.26	4.51	4.48	8.97	6.77	13.55
3	2.23	6.70	4.43	13.30	6.65	19.95
4	2.23	8.92	4.39	17.56	6.50	25.98
5	2.21	11.05	4.35	21.73	6.41	32.07
6	2.26	13.57	4.36	26.18	6.43	38.59
7	2.23	15.58	4.28	29.96	6.27	43.91
8	2.21	17.66	4.21	33.66	6.08	48.65
9	2.19	19.69	4.14	37.23	5.92	53.30
10	2.17	21.66	4.07	40.69	5.77	57.69
11	2.14	23.56	3.98	43.83	5.61	61.76
12	2.12	25.38	3.91	46.91	5.46	65.52
13	2.09	27.21	3.83	49.82	5.31	69.03
14	2.07	29.01	3.76	52.59	5.16	72.18
15	2.05	30.77	3.68	55.22	5.00	75.07
16	2.02	32.35	3.61	57.74	4.86	77.77
17	2.01	34.25	3.55	60.33	4.74	80.59
18	1.99	35.80	3.47	62.41	4.60	82.87
19	1.96	37.27	3.39	64.37	4.46	84.79
20	1.94	38.75	3.31	66.18	4.33	86.66
21	1.91	40.13	3.24	67.96	4.21	88.40
22	1.89	41.48	3.16	69.57	4.09	90.05
23	1.86	42.75	3.09	71.06	3.97	91.28
24	1.83	44.00	3.02	72.48	3.86	92.62
25	1.81	45.17	2.95	73.82		
26	1.78	46.29	2.89	75.05		
27	1.76	47.39	2.82	76.15		
28	1.74	48.64	2.76	77.39		
29	1.71	49.64	2.70	78.32		
30	1.68	50.52	2.64	79.23		
31	1.66	51.39				
32	1.63	52.27				
33	1.61	53.08				
34	1.58	53.85				
35	1.56	54.56				
36	1.54	55.31				
37	1.51	55.99				
38	1.49	56.62				
39	1.47	57.33				
40	1.45	57.91				
41	1.43	58.49				
42	1.40	59.00				
43	1.38	59.51				
44	1.36	59.95				
45	1.34	60.41				
46	1.32	60.84				
47	1.30	61.25				
48	1.28	61.64				
49	1.27	62.00				
50	1.25	62.39				

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

Ordering Code

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

MODELS	PS-BA-UNI-D-30-24	PS-BA-UNI-D-60-24	PS-BA-UNI-D-96-24
Length	6.10"	7.93"	8.29"
Width	3.35"	3.35"	4.10"
Depth	1.33"	1.32"	1.59"

