



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

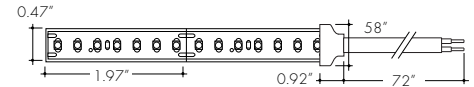
TYPE	BA42WET		
OUTPUT OPTIONS	SO	HO	VHO
Lumens Output (3000K)	145 lm/ft	304 lm/ft	446 lm/ft
Average Power Consumption (for a 4" section)	2.0 W/ft	4.0 W/ft	6.0 W/ft
Efficacy	73 lm/W	76 lm/W	74 lm/W
Ordering Increment (in)	1.97"		
Pitch Length	0.28"		
Max Run Length (in series to 30W)	14 ft	7 ft	4 ft
Max 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
3200K	1.00	90
4300K	1.09	90

Section Start/End Options

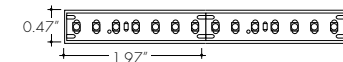
SW65

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 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

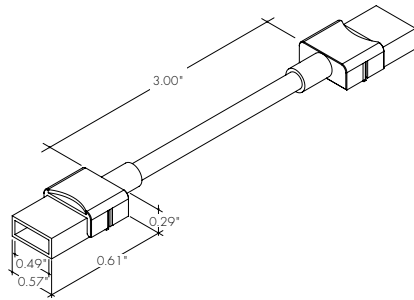
1 - R16, 16 ft reels include 3 each of BA-WET-PFC-10-39, BA-WET-PJC-10-3 and EC-10MM-WET, with one SIL-502-RTV
 2 - R50, 50 ft reels include 6 each of BA-WET-PFC-10-39, BA-WET-PJC-10-3 and EC-10MM-WET, with one SIL-502-RTV
 3 - Ordered in one foot increments. See chart above for max run length.

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.

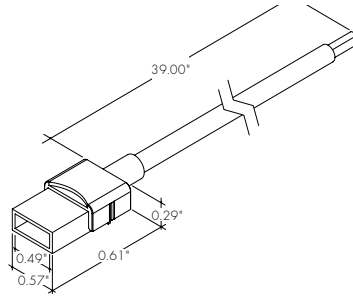
BA-WET-PJC-10-3

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

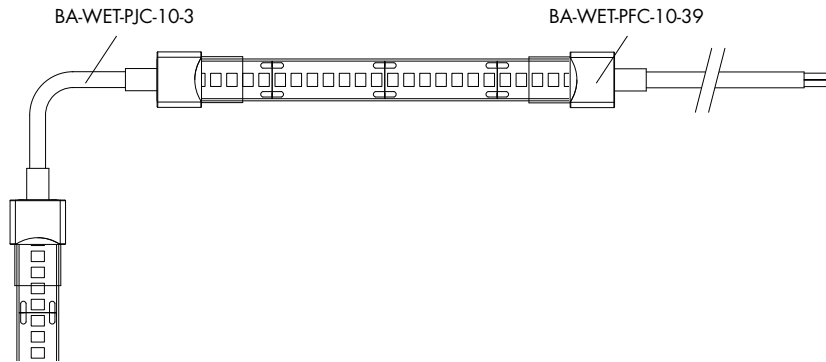


BA-WET-PFC-10-39

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



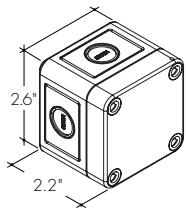
Sample Layout



Accessories

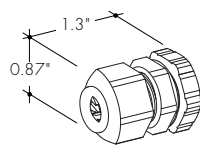
LVSP-WET

Splice box: wet rated, low voltage, gray



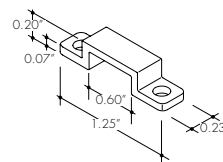
LVSP-WET-CM

Splice box connector, low voltage, gray



CL2

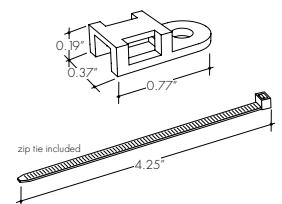
Mounting clip



Recommended every 12" when lineLED strip is facing down

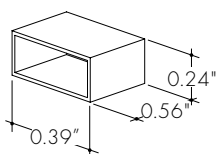
LL-ZIP

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



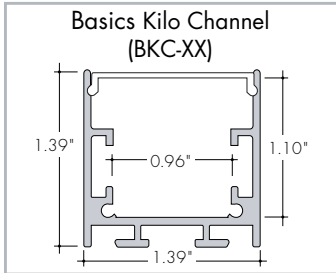
Clear



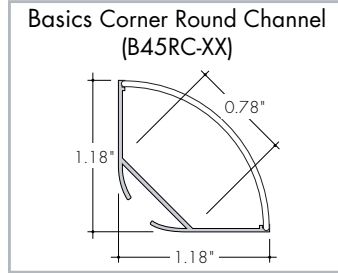
Half Frosted



Frosted



59%



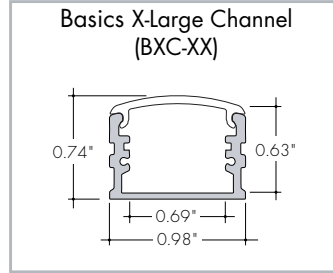
93%



85%



73%



53%

Installation

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

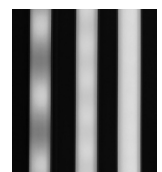
Ordering

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
BXC	-	-	ND
B45RC	CD	CD	ND
BKC	-	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
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

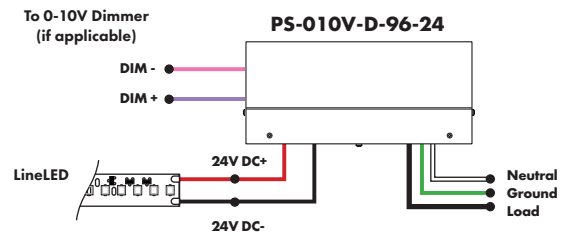
Power Supplies

See Power Supply instructions and spec sheet for wiring information. For 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"

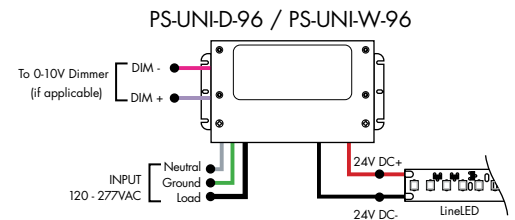


Ordering Code Universal Dimming Power Supplies 1% 120VAC - 277VAC

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"

