

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

Life (L70)

50,000 hours

Warranty

3 years



Technical information

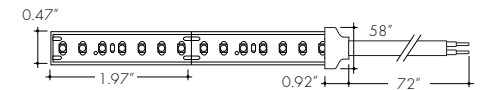
TYPE	BA42WET		
	SO	HO	VHO
OUTPUT OPTIONS			
Lumens Output (3000K)	145 lm/ft	304 lm/ft	446 lm/ft
Average Power Consumption (for a 4" section)	2.0 W/ft	4.0 W/ft	6.0 W/ft
Efficacy	73 lm/W	76 lm/W	74 lm/W
Cutting Increment (in)	1.97"		
Pitch Length	0.28"		
Max Run Length (in series to 30W)	14 ft	7 ft	4 ft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

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

Section Start/End Options

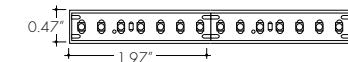
SW65

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

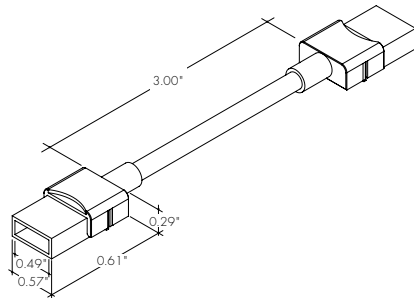
1 - R16, 16 ft reels include 3 each of BA-WET-PFC-10-39, BA-WET-PJC-10-3 and EC-10MM-WET, with one SIL-502-RTV
 2 - R50, 50 ft reels include 6 each of BA-WET-PFC-10-39, BA-WET-PJC-10-3 and EC-10MM-WET, with one SIL-502-RTV
 3 - Ordered in one foot increments. See chart above for max run length.

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.

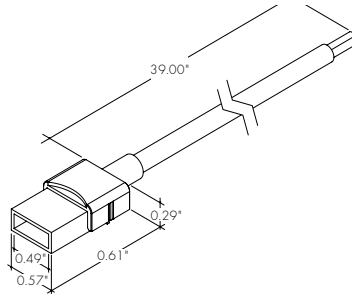
BA-WET-PJC-10-3

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

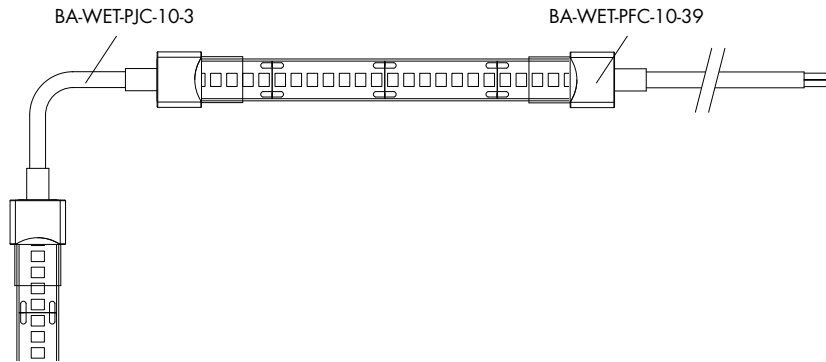


BA-WET-PFC-10-39

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



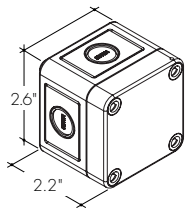
Sample Layout



Accessories

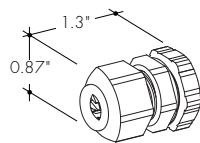
LVSP-WET

Splice box: wet rated, low voltage, gray



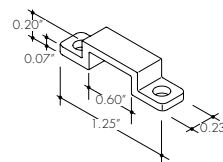
LVSP-WET-CM

Splice box connector, low voltage, gray



CL2

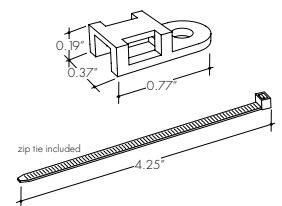
Mounting clip



Recommended every 12" when lineLED strip is facing down

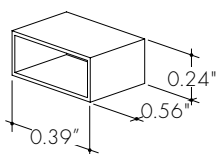
LL-ZIP

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



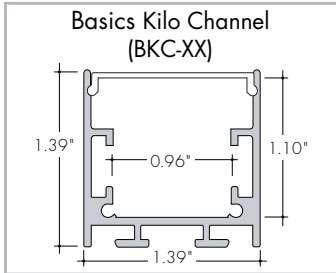
Clear



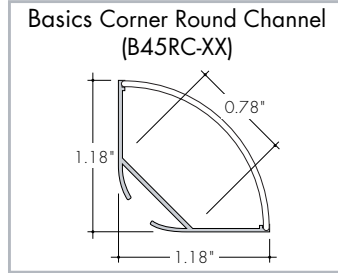
Half Frosted



Frosted



59%



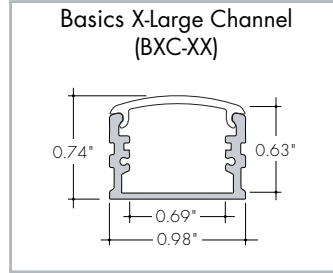
93%



85%



73%



53%

Installation

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

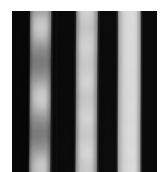
Ordering

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

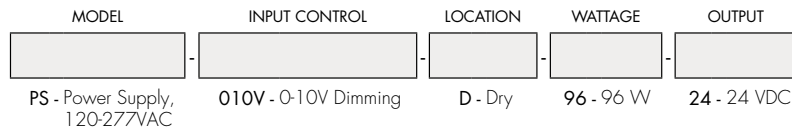
The below chart assumes nominal voltage of 24 Volts and a Voltage Drop Allowance of 3% through the wire

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

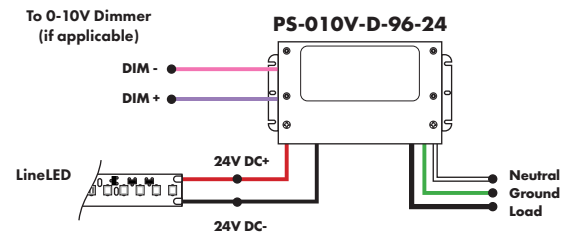
Power Supplies

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.

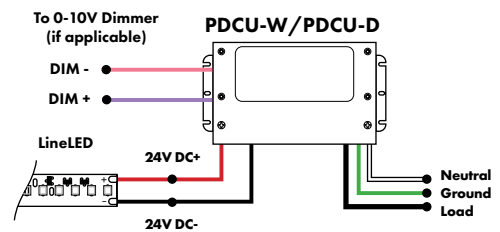
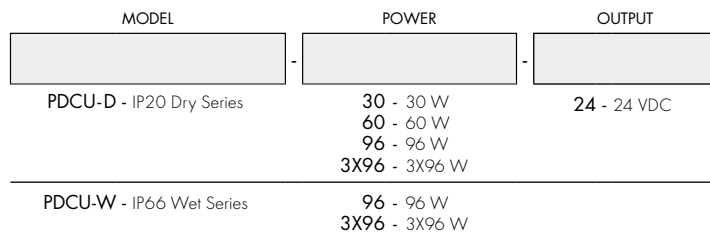
0-10V - 5% Dimming



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



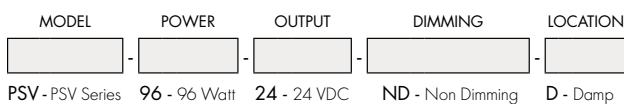
Universal Power Supply 1% 120VAC - 277VAC



0-10V dims down to 1%, MLV/ELV/TRIAC dims down to 1%.
For a complete list of compatible dimmers, see [Compatible Dimming Chart](#) on the Resources page.

MODEL	PDCU-W-96W	PDCU-W-3X96W	PDCU-D-30W	PDCU-D-60W	PDCU-D-96W	PDCU-D-3X96W
Length	8.66"	11.85"	6.10"	7.93"	8.25"	9.57"
Width	3.73"	4.32"	3.35"	3.35"	4.10"	5.94"
Depth	1.61"	1.81"	1.33"	1.32"	1.56"	1.13"

Non-Dimming Power Supply 120VAC - 277VAC



MODELS	96W
Length	8.25"
Width	3.75"
Depth	1.63"

