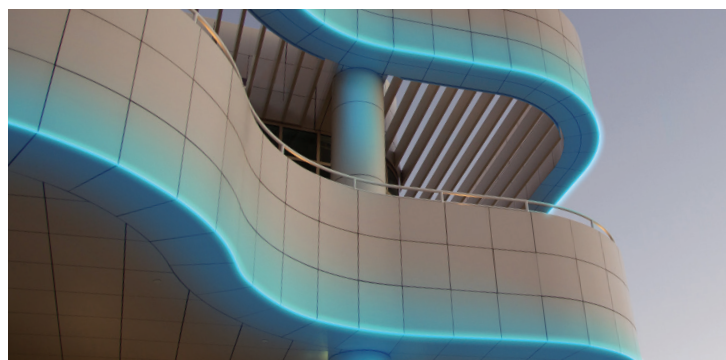


FLEX NEON UDF7 BENDS UP/DOWN 0.7" FLAT LENS

24VDC 5W | 6W INDOOR / OUTDOOR RGB, RGB+WHITE

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 01.17.25



DESCRIPTION

UDF7 Flex Neon Bends UP and Down using a 0.7" wide Flat lens that can be surface or flush-mounted. Flex Neon offers superior color quality and performance while creating uniform illumination without pixelation. RGB (Red, Green, and Blue), RGB+W (Red, Green, Blue, plus White) Fine-tune the color and brightness independently using our CDMX1-RGBW touch controller. The **(W)** is an IP67 rated wet location fixture featuring watertight barrel connections. The **(S)** Seamless (for continuous, seamless runs), is rated for Indoor Damp Locations ONLY and uses class 2 bare wire connectors. Fixture includes a 5-year pro-rated warranty. Patent pending. For quick & easy reference, plus the most up-to-date pricing, use our [Flex Neon UDF7 Configurator](#). For custom quotes and layout assistance, send your drawings and ideas to our design team: design@PureEdgeLighting.com.

SPECIFICATIONS

Flat top view 0.5" wide 0.75" high

LUMEN PERFORMANCE	565lm/ft 7W @3000K
INPUT	5" wire leads, Remote 24VDC Power Supply (sold separately)
POWER CONSUMPTION	5 Watts per foot, 6 Watts per foot
COMPLIANCE	Class 2 Wet Listed with water-tight Barrel Connectors, IP67. ETL/UL, RoHS
POWER SUPPLY	Color Changing (DMX) Power Supply 120/277VAC-24VDC, Sold Separately
ORDERING INCREMENTS	2.4" or 3"
MAX LENGTH	20' at 5 watts, 15' at 6 watts
BENDING	4" Minimum Radius
MOUNTING	Clips included every 12"
MATERIAL	UV Resistant PVC
OPERATING TEMPERATURE	-4° F (-20° C) to 122° F (+50° C)
AVERAGE LED LIFE	50,000 hrs
WARRANTY	5 years

REMOTE POWER SUPPLIES*, DIMMERS & CONTROLS (SOLD SEPARATELY)

24VDC, Class 2 wiring

- [Home Integration Solutions](#)

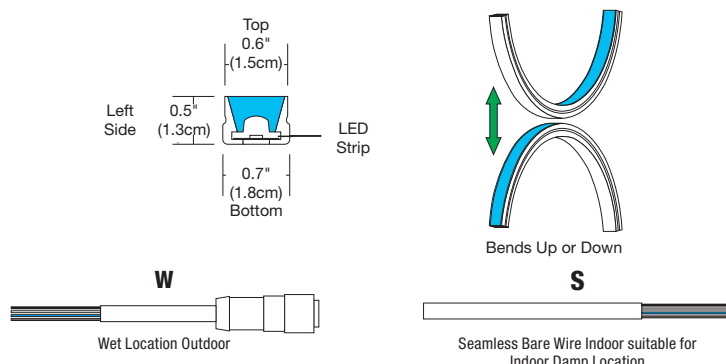
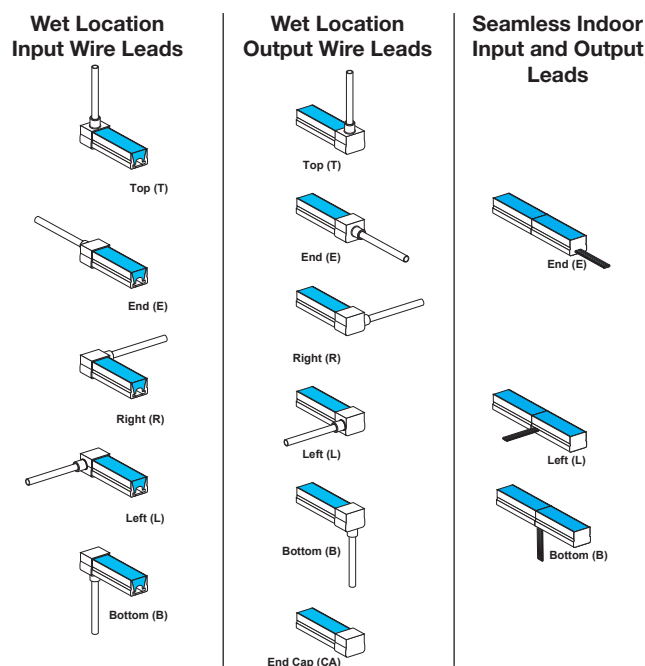
OUTDOOR/ WET LOCATION

- [DMX Dynamic Color Changing & Controllers](#)

INDOOR

- [DMX Dynamic Color Changing & Controllers](#)

*In-Wall Mounting and drop ceiling Kits available for select power supplies



System	Viewing Angle Model Shape	Wattage	Length in Inches	Color Temperature	5" Input Wire Feed	5" Output Wire	Environment
FN	UDF7	5W	120	RGB	E	L	W
FN Flex Neon 24V	UDF7 Up or Down Bend Top View Flat 0.7"x 0.75"	5W 4.4 watts per foot 6W 6.3 watts per foot	6-240 (20' max) 2.4" increments 6-180 (15' max) 3" increments	RGB Red, Green and Blue (5 Watt Only) RGB20K Red, Green, Blue + White 2000K (6 Watt Only) RGB27K Red, Green, Blue + White 2700K Special Order RGB30K Red, Green, Blue + White 3000K Special Order RGB40K Red, Green, Blue + White 4000K Special Order	T Top Power Input Wire E End Power Input Wire L Left Power Input Wire R Right Power Input Wire B Bottom Power Input Wire	T Top Wire Lead Out E End Wire Lead Out L Left Wire Lead Out R Right Wire Lead Out B Bottom Wire Lead Out CA Cap at end, no feed through	S Seamless Indoor/Damp location bare wire leads Bottom and Left Feed Only W Outdoor wet location Barrel Connector cable leads

*Seamless indoor: E, L, B Only
**Indoor Seamless: No output feed wire, No cap will be provided.

PROJECT		FIXTURE TYPE		DATE	
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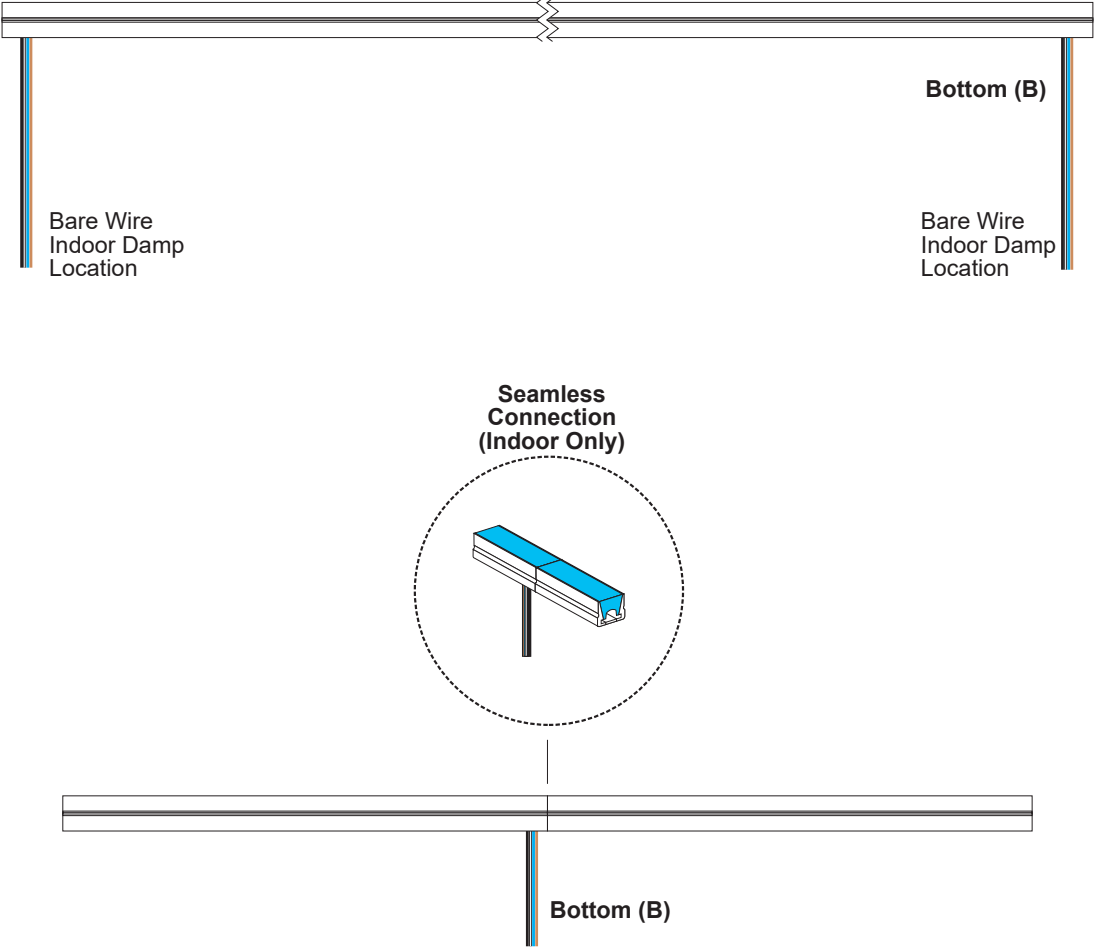
FLEX NEON UDF7 BENDS UP/DOWN 0.7" FLAT LENS

24VDC 5W | 6W INDOOR / OUTDOOR RGB, RGB+WHITE

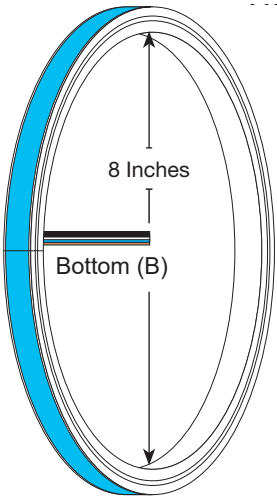
Drawings: Flex Neon UDF7

Seamless Connectors are ideal for indoor projects that have multiple segments of Flex Neon but need to look like a continuous run/fixture. Two (E) Endfeeds can not be seamless. Are assembled in the factory – fixtures ready to use.

Seamless (S) Connection
Indoor/Damp Rated with No End Cap



Seamless Circle



Wet (W)
Outdoor Location with End Cap

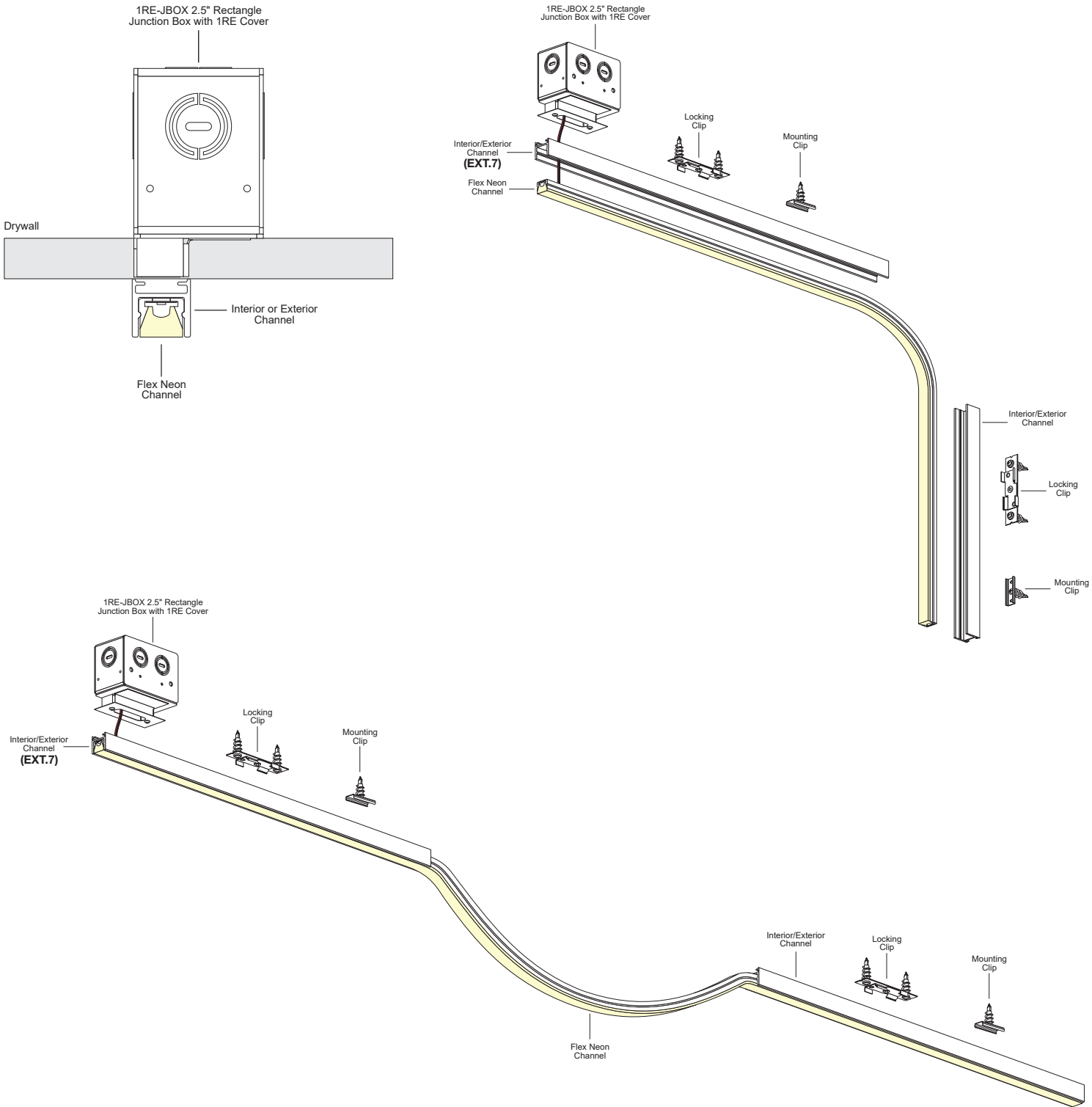


PROJECT		FIXTURE TYPE		DATE	
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FLEX NEON UDF7 BENDS UP/DOWN 0.7" FLAT LENS

24VDC 5W | 6W INDOOR / OUTDOOR RGB, RGB+WHITE

Drawings: Exploded View for Flexible Aluminum Channel with 1RE J-box



PROJECT		FIXTURE TYPE		DATE	
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FLEX NEON UDF7 BENDS UP/DOWN 0.7" FLAT LENS

24VDC 5W | 6W INDOOR / OUTDOOR RGB, RGB+WHITE

LENGTH CHART Actual lengths for Flex Neon UDF7

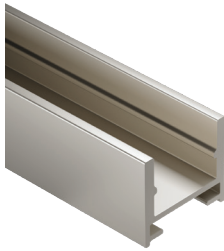
LENGTH CHART - RGB											
Ordering Code (Nominal Size)	Actual Length	Ordering Code (Nominal Size)	Actual Length	Ordering Code (Nominal Size)	Actual Length	Ordering Code (Nominal Size)	Actual Length	Ordering Code (Nominal Size)	Actual Length	Ordering Code (Nominal Size)	Actual Length
8	7.95	77	77.55	147	147.15	214	214.35	281	281.55	348	348.75
10	10.35	80	79.95	149	149.55	216	216.75	284	283.95	351	351.15
12	12.75	82	82.35	152	151.95	219	219.15	286	286.35	353	353.55
15	15.15	84	84.75	154	154.35	221	221.55	288	288.75	356	355.95
17	17.55	87	87.15	156	156.75	224	223.95	291	291.15	358	358.35
20	19.95	89	89.55	159	159.15	226	226.35	293	293.55	360	360.75
22	22.35	92	91.95	161	161.55	228	228.75	296	295.95	363	363.15
24	24.75	94	94.35	164	163.95	231	231.15	298	298.35	365	365.55
27	27.15	96	96.75	166	166.35	233	233.55	300	300.75	368	367.95
29	29.55	99	99.15	168	168.75	236	235.95	303	303.15	370	370.35
32	31.95	101	101.55	171	171.15	238	238.35	305	305.55	372	372.75
34	34.35	104	103.95	173	173.55	240	240.75	308	307.95	375	375.15
36	36.75	106	106.35	176	175.95	243	243.15	310	310.35	377	377.55
39	39.15	108	108.75	178	178.35	245	245.55	312	312.75	380	379.95
41	41.55	111	111.15	180	180.75	248	247.95	315	315.15	382	382.35
44	43.95	113	113.55	183	183.15	250	250.35	317	317.55	384	384.75
46	46.35	116	115.95	185	185.55	252	252.75	320	319.95	387	387.15
48	48.75	118	118.35	188	187.95	255	255.15	322	322.35	389	389.55
51	51.15	120	120.75	190	190.35	257	257.55	324	324.75	392	391.95
53	53.55	123	123.15	192	192.75	260	259.95	327	327.15	394	394.35
56	55.95	125	125.55	195	195.15	262	262.35	329	329.55	396	396.75
58	58.35	128	127.95	197	197.55	264	264.75	332	331.95	399	399.15
60	60.75	130	130.35	200	199.95	267	267.15	334	334.35	401	401.55
63	63.15	132	132.75	202	202.35	269	269.55	336	336.75	404	403.95
65	65.55	135	135.15	204	204.75	272	271.95	339	339.15	406	406.35
68	67.95	137	137.55	207	207.15	274	274.35	341	341.55	408	408.75
70	70.35	140	139.95	209	209.55	276	276.75	344	343.95	411	411.15
72	72.75	142	142.35	212	211.95	279	279.15	346	346.35	413	413.55
75	75.15	144	144.75								

LENGTH CHART - RGBW											
Ordering Code (Nominal Size)	Actual Length	Ordering Code (Nominal Size)	Actual Length	Ordering Code (Nominal Size)	Actual Length	Ordering Code (Nominal Size)	Actual Length	Ordering Code (Nominal Size)	Actual Length	Ordering Code (Nominal Size)	Actual Length
6	6.75	75	75.75	138	138.75	207	207.75	276	276.75	345	345.75
9	9.75	78	78.75	141	141.75	210	210.75	279	279.75	348	348.75
12	12.75	81	81.75	144	144.75	213	213.75	282	282.75	351	351.75
15	15.75	84	84.75	147	147.75	216	216.75	285	285.75	354	354.75
18	18.75	87	87.75	150	150.75	219	219.75	288	288.75	357	357.75
21	21.75	90	90.75	153	153.75	222	222.75	291	291.75	360	360.75
24	24.75	93	93.75	156	156.75	225	225.75	294	294.75	363	363.75
27	27.75	96	96.75	159	159.75	228	228.75	297	297.75	366	366.75
30	30.75	99	99.75	162	162.75	231	231.75	300	300.75	369	369.75
33	33.75	102	102.75	165	165.75	234	234.75	303	303.75	372	372.75
36	36.75	105	105.75	168	168.75	237	237.75	306	306.75	375	375.75
39	39.75	108	108.75	171	171.75	240	240.75	309	309.75	378	378.75
42	42.75	111	111.75	174	174.75	243	243.75	312	312.75	381	381.75
45	45.75	114	114.75	177	177.75	246	246.75	315	315.75	384	384.75
48	48.75	117	117.75	180	180.75	249	249.75	318	318.75	387	387.75
51	51.75	120	120.75	183	183.75	252	252.75	321	321.75	390	390.75
54	54.75	123	123.75	186	186.75	255	255.75	324	324.75	393	393.75
57	57.75	126	126.75	189	189.75	258	258.75	327	327.75	396	396.75
60	60.75	129	129.75	192	192.75	261	261.75	330	330.75	399	399.75
63	63.75	132	132.75	195	195.75	264	264.75	333	333.75	402	402.75
66	66.75	135	135.75	198	198.75	267	267.75	336	336.75	405	405.75
69	69.75			201	201.75	270	270.75	339	339.75	408	408.75
72	72.75			204	204.75	273	273.75	342	342.75	411	411.75

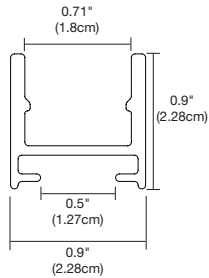
PROJECT		FIXTURE TYPE		DATE	
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FLEX NEON UDF7 ACCESSORIES AND J-BOXES

24VDC 5W | 6W INDOOR / OUTDOOR RGB, RGB+WHITE



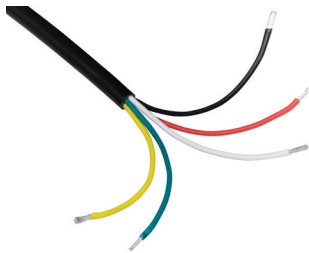
EXT.7 Light Channel



INTERIOR OR EXTERIOR CHANNEL

Interior or exterior channel features an aluminum extrusion with mounting clips included every 2ft. Available in length up to 10ft long and may be cut at the job site.

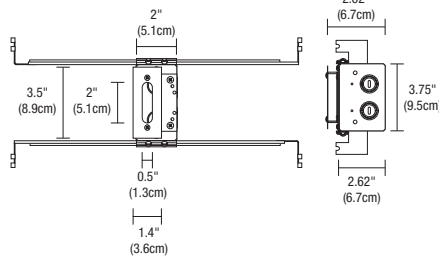
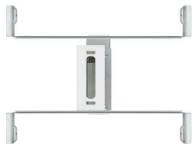
Product	Length	Finish
EXT.7	10FT	SA
EXT.7 Extrusion 0.7" Wide	4FT 4 Feet 5FT 5 Feet 8FT 8 Feet 10FT 10 Feet	SA Satin Aluminum WH White



WET AND DAMP LOCATION CABLE ORDER PER FOOT

Our Wet Location, 5 Conductor, 14 Gauge Cable is a durable and adaptable cable suitable for transmitting power, control, and switching in indoor and outdoor wet and damp environments. Cable sold by the foot, simply specify the length needed by the foot. Keep within 50 ft between fixture and power supply. Cable sold by the foot, simply specify the length needed by the foot.

Product	Gauge	Cable
OC	14G	5C
OC Outdoor Cable	14G 14 Gauge	5C 5 Conductor



1" RECTANGLE CANOPY & J-BOX*

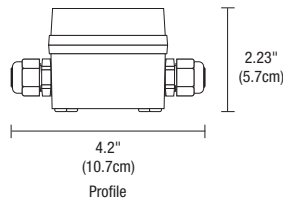
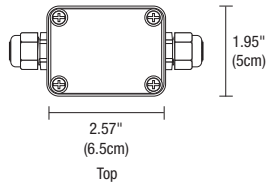
The Slim-Profile Junction Box with Hanger Bars mounts to studs spaced between 14.5" and 25" apart behind drywall. Allows low voltage DC wires from Remote Power Supply to connect to channel wires. The Junction Box opening is covered by the fixture for a clean, safe connection. Includes a Goof Plate, for poor plastering around J-box.

*Only to be used with Seamless Indoor Bottom Lead-In and Out

System	Canopy	Product
C	1RE	JBOX
C Channel	1RE 1" Rectangle	JBOX Junction Box

FLEX NEON UDF7 ACCESSORIES AND J-BOXES

24VDC 5W | 6W INDOOR / OUTDOOR RGB, RGB+WHITE



WET LOCATION JUNCTION BOX

Wet-rated low voltage Splice Box with connectors.

Product	Type	Option
2RE	JBOX	W
2RE 2" Rectangle	JBOX Junction Box	W Wet Location



RGB OR RGBW WET LOCATION JUNCTION BOX WITH 6" POWER CABLE

This watertight, multi-fixture Junction Box is especially designed for lighting in wet and damp locations. It is versatile, rugged and simple to install. The Junction Box comes standard with a 6" Flexible Cable providing easy, safe, and reliable connections for 24V low voltage luminaires. This box is approved for indoor and outdoor usage and complies with all the requirements of UL1241 and the National Electric Code.

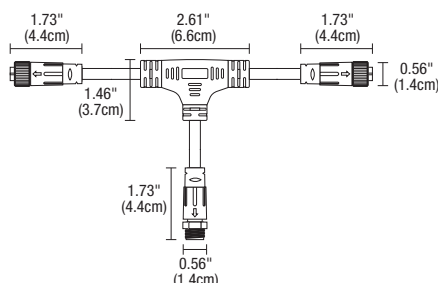
Product	Canopy	Product	Size	Type	Option
SS	2RE	JBOX	6IN	RGBW	W
SS LED Soft Strip Flex Neon	2RE 2" Rectangle	JBOX Junction Box	6IN 6" Five Wire Connection	RGBW RGBW	W Wet Location



POWER CABLE CONNECTOR WET LOCATION

The flexible power cable connector is designed to work in outdoor environments for safe and reliable connections. This Flexible Connector is easy to install and configure, helping you create innovative lighting designs in an outdoor commercial or residential space.

Product	Type	Size	Conductor	Option
SS	CFX	16IN	6C	W
SS Soft Strip and Flex Neon	CFX Flexible 4 Wire Connector	16IN 16" 96IN 96"	6C 6 Conductor	W Wet Location



WET LOCATION T-CONNECTOR

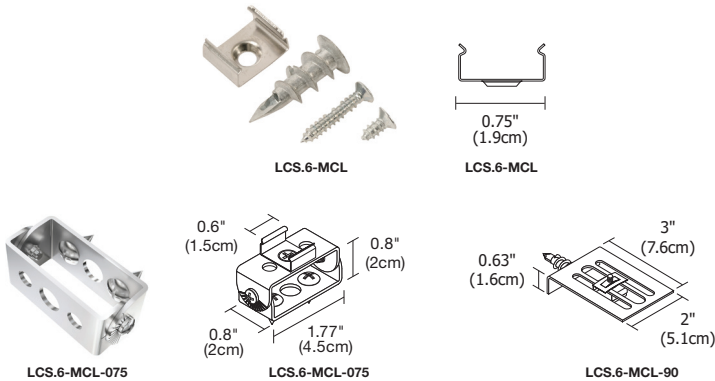
Our Wet Location T-Connector is a robust rugged design especially suited to withstand the challenges of damp and wet environments. This unique T-Connector has one Male and two Female Connectors and is suitable for multiple indoor and outdoor uses. Versatile design is easy to use, making installation quick and efficient.

Product	Type	Size	Size	Option
SS	CFX	4IN	6YC	W
SS Soft Strip and Flex Neon	CFX Flexible 4 Wire Connector	4IN 4"	6YC Y-Shape 6 Conductor	W Wet Location

PROJECT		FIXTURE TYPE		DATE	
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FLEX NEON UDF7 ACCESSORIES AND J-BOXES

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MOUNTING CLIPS
 LCS.6 mounting clips are provided with every 12" of Flex Neon and may be ordered separately as replacement parts. The LCS.6-MCL-075 rotates Channel up to 75°. LCS.6-MCL-90 mounts Channel at a 90° angle.

System	Product	Type
LCS.6	MCL	075
LCS.6 Flex Neon Left Right 0.6"	MCL Mounting Clip	Standard, Leave Blank 075 Adjust 0-75° 90 Mounts at 90°

FLEX NEON TIE STRAP
 Use for mounting to poles for extra support, every 6"-12" (30 per package).



Product	Type
SS	ST
SS LED Flex Neon	ST Tie Strap