

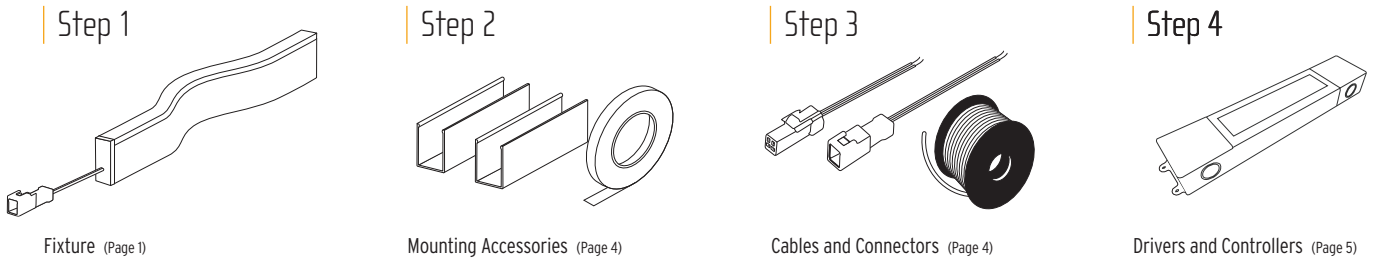


IP67 flexible dot free horizontal bending flexible light line 0.2" x 0.51" (W x H). Opal polyurethane encapsulation offering a premium water proof sealing, UV resistance, chemical stability and protection against abrasion. Bending radius of 1.18" the first choice for thin indoor/outdoor organic accent lighting for facade or decorative applications requiring IP67 ingress. Freely configurable in length and delivered with a 7.87" long cable on one side with IP67 connector. Reel to Reel (R2R) production process supporting LED Linear™ Tj Away® thin flexible circuit board technology. Outstanding lifetime of >60,000 hrs L80/B10. Each steps embeds high quality japanese LEDs with 3 step MacAdams (SDCM3) binning centered on target CCT (One Bin Only) with an extended photometric code of Wxxx/339 ensuring an exceptional color consistency over the rated lifetime. Premium color rendition with a CRI of 95. Consistent light intensity all along the strip length. Fully dimmable. Engineered and produced in Germany.

Project name	
Fixture type	Phase
Specifier	Date

<b>Integrated Circuit Driver</b> Up to 100 lm/ft constant light output	<b>Reel-to-Reel R2R Production</b> High Quality Solder Free Reels	<b>TjAway® Thermal Management</b> Exceptional Thermal Dissipation	<b>One Bin Only</b> 3 MacAdam 95 CRI
<b>L/B Lifetime</b> L80/B10 >60,000 hrs	<b>6 Digit Photometric Code</b> Wxxx/339	<b>IES LM79/LM80 Compliant</b> LM79/LM80 Compliant	

## Ordering Process



## Fixture Order Code

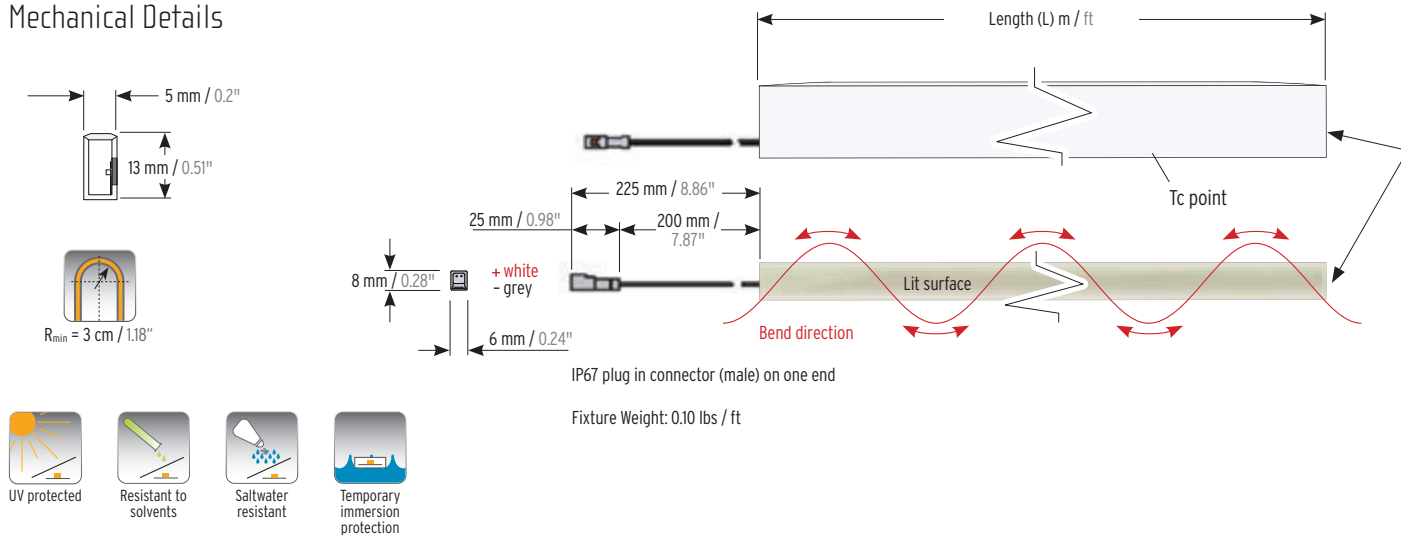
Family	Model	Lumen package*	Color rendering	Color temperature <sup>a</sup>	Custom Length**	Variant	Ingress
VarioLED Flex	Amor	---	W9	---	---	SV	IP67
		HD10-100 lm/ft	W9-95CRI	27-2700K	L <sub>min</sub> : 391 mm (1'3-3/8")	Horizontal Bend	
				30-3000K	L <sub>max</sub> : 5016 mm (16'5-1/2")		
				35-3500K	Increment: 25 mm (1")		
				40-4000K			

\* Lumen Values represent products at 4000K.  
 \*\* Custom Length should be specified in millimeters (mm). See page 3 for all available lengths.

	Color temperature <sup>a</sup>	Delivered CCT	Lumen/ft <sup>b</sup>	W/ft <sup>c</sup>
Static White	● W927	2,900 K	86	3.1
	● W930	3,200 K	92	3.1
	● W935	3,800 K	96	3.1
	● W940	4,300 K	100	3.1

<sup>a</sup> Up to 7% color shift may occur towards cooler CCT due to the encapsulation of the fixture.  
<sup>b</sup> Light output is reduced by 40% for recessed applications.  
<sup>c</sup> The given data are typical values. Due to tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.

## Mechanical Details



## Technical Details

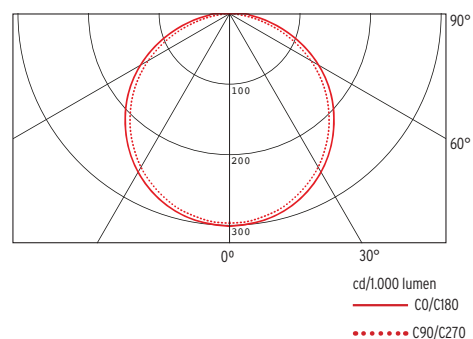
Voltage	24 Volt (23 V <sub>min</sub> , 25 V <sub>max</sub> )
Case temperature <sup>8</sup>	T <sub>Cmin</sub> = -13°F / -25°C, T <sub>Cmax</sub> = 140°F / 60°C
Storage temperature	T <sub>Smin</sub> = -22°F / -30°C, T <sub>Smax</sub> = 185°F / 85°C
Ambient temperature	T <sub>Amin</sub> = -13°F / -25°C, T <sub>Amax</sub> = 113°F / 45°C
Power (W/ft) <sup>A</sup>	3.1
Efficacy (lm / W) <sup>8</sup> @ W940	32
Max fixture length (ft / m)	16.5 / 5
CRI / R9 @ 3000 K	94 / 66

<sup>A</sup> The given data are typical values. Due to tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.

<sup>8</sup> The position of the Tc-point is marked on each step of the LED strip. The Tc-point should be measured in thermal equilibrium according to IEC EN 60598-1.

## Light Distribution





AMOR SV IP67 - Static White








LENGTH CHART - Amor SV IP67

Fixture length		Static White 3.1 Watts/Ft		Fixture length (Continued)		Static White 3.1 Watts/Ft		Fixture length (Continued)		Static White 3.1 Watts/Ft		Fixture length (Continued)		Static White 3.1 Watts/Ft	
inches	mm	Watts/ fixture	Lumens/fixture @W930K	inches	mm	Watts/ fixture	Lumens/fixture @W830K	inches	mm	Watts/ fixture	Lumens/fixture @W930K	inches	mm	Watts/ fixture	Lumens/fixture @W830K
15.4	391	4	118	61.7	1566	16	473	107.9	2741	28	827	154.2	3916	40	1182
16.4	416	4	126	62.6	1591	16	480	108.9	2766	28	835	155.2	3941	40	1189
17.4	441	4	133	63.6	1616	16	488	109.9	2791	28	842	156.1	3966	40	1197
18.3	466	5	141	64.6	1641	17	495	110.9	2816	29	850	157.1	3991	41	1204
19.3	491	5	148	65.6	1666	17	503	111.9	2841	29	857	158.1	4016	41	1212
20.3	516	5	156	66.6	1691	17	510	112.8	2866	29	865	159.1	4041	41	1219
21.3	541	6	163	67.6	1716	17	518	113.8	2891	29	872	160.1	4066	41	1227
22.3	566	6	171	68.5	1741	18	525	114.8	2916	30	880	161.1	4091	42	1235
23.3	591	6	178	69.5	1766	18	533	115.8	2941	30	887	162.0	4116	42	1242
24.3	616	6	186	70.5	1791	18	540	116.8	2966	30	895	163.0	4141	42	1250
25.2	641	7	193	71.5	1816	18	548	117.8	2991	30	903	164.0	4166	42	1257
26.2	666	7	201	72.5	1841	19	556	118.7	3016	31	910	165.0	4191	43	1265
27.2	691	7	209	73.5	1866	19	563	119.7	3041	31	918	166.0	4216	43	1272
28.2	716	7	216	74.4	1891	19	571	120.7	3066	31	925	167.0	4241	43	1280
29.2	741	8	224	75.4	1916	19	578	121.7	3091	31	933	168.0	4266	43	1287
30.2	766	8	231	76.4	1941	20	586	122.7	3116	32	940	168.9	4291	44	1295
31.1	791	8	239	77.4	1966	20	593	123.7	3141	32	948	169.9	4316	44	1302
32.1	816	8	246	78.4	1991	20	601	124.6	3166	32	955	170.9	4341	44	1310
33.1	841	9	254	79.4	2016	20	608	125.6	3191	32	963	171.9	4366	44	1317
34.1	866	9	261	80.4	2041	21	616	126.6	3216	33	970	172.9	4391	45	1325
35.1	891	9	269	81.3	2066	21	623	127.6	3241	33	978	173.9	4416	45	1333
36.1	916	9	276	82.3	2091	21	631	128.6	3266	33	986	174.8	4441	45	1340
37.0	941	10	284	83.3	2116	22	639	129.6	3291	33	993	175.8	4466	45	1348
38.0	966	10	292	84.3	2141	22	646	130.6	3316	34	1001	176.8	4491	46	1355
39.0	991	10	299	85.3	2166	22	654	131.5	3341	34	1008	177.8	4516	46	1363
40.0	1016	10	307	86.3	2191	22	661	132.5	3366	34	1016	178.8	4541	46	1370
41.0	1041	11	314	87.2	2216	23	669	133.5	3391	34	1023	179.8	4566	46	1378
42.0	1066	11	322	88.2	2241	23	676	134.5	3416	35	1031	180.7	4591	47	1385
43.0	1091	11	329	89.2	2266	23	684	135.5	3441	35	1038	181.7	4616	47	1393
43.9	1116	11	337	90.2	2291	23	691	136.5	3466	35	1046	182.7	4641	47	1400
44.9	1141	12	344	91.2	2316	24	699	137.4	3491	35	1053	183.7	4666	47	1408
45.9	1166	12	352	92.2	2341	24	706	138.4	3516	36	1061	184.7	4691	48	1416
46.9	1191	12	359	93.1	2366	24	714	139.4	3541	36	1069	185.7	4716	48	1423
47.9	1216	12	367	94.1	2391	24	722	140.4	3566	36	1076	186.7	4741	48	1431
48.9	1241	13	374	95.1	2416	25	729	141.4	3591	37	1084	187.6	4766	48	1438
49.8	1266	13	382	96.1	2441	25	737	142.4	3616	37	1091	188.6	4791	49	1446
50.8	1291	13	390	97.1	2466	25	744	143.3	3641	37	1099	189.6	4816	49	1453
51.8	1316	13	397	98.1	2491	25	752	144.3	3666	37	1106	190.6	4841	49	1461
52.8	1341	14	405	99.1	2516	26	759	145.3	3691	38	1114	191.6	4866	49	1468
53.8	1366	14	412	100.0	2541	26	767	146.3	3716	38	1121	192.6	4891	50	1476
54.8	1391	14	420	101.0	2566	26	774	147.3	3741	38	1129	193.5	4916	50	1483
55.7	1416	14	427	102.0	2591	26	782	148.3	3766	38	1136	194.5	4941	50	1491
56.7	1441	15	435	103.0	2616	27	789	149.3	3791	39	1144	195.5	4966	50	1499
57.7	1466	15	442	104.0	2641	27	797	150.2	3816	39	1152	196.5	4991	51	1506
58.7	1491	15	450	105.0	2666	27	804	151.2	3841	39	1159	197.5	5016	51	1514
59.7	1516	15	457	105.9	2691	27	812	152.2	3866	39	1167				
60.7	1541	16	465	106.9	2716	28	820	153.2	3891	40	1174				

## Mounting Accessories

Item	Description	Dimensions (L x W x H)	Order Code
	Adhesive Tape Double sided 3M adhesive tape roll. Use to mount products on surfaces.	16' x 3/8"	18200081-01
	Amor SV Aluminum Mounting Clip Aluminum surface mounting clip. Recommended to use every 12 inches to hold the fixture, but will not prevent sagging in between.	1/2" x 1/4" x 1/2"	13000237
	Amor SV Flexible Mounting Channel Flexible conduit to use for curved applications. Mounting tabs can be bent inside or outside if required. Light output is reduced by 40% for recessed applications.	3' 2-1/2" x 1/4" x 1/2"	10000527
	Flat Mounting Channel Flat aluminium mounting channel for heat dissipation. Bendable with silver finish Screws directly onto surface.	6-1/2' x 1" x 1/16"	10000004


## Cables and Connectors

Item	Description	Model	Dimensions	Order Code
	Cable IP68 for Static White Outdoor rated UL approved cable. Use to extend installation distance with outdoor rated splicing box (by others).	Static White	2 x 22 AWG, 160 ft	14000030
	Mini Female Connector IP67 for Static White Use to run cable from the driver to the first fixture of the run or to the next fixture. Female mini connector on one side and open end cable on the other side.	Static White Static White	2 x 22 Awg, 8 in 2 x 22 Awg, 6.5 ft	15000141 15000142
	Mini Male Connector IP67 for Static White Use to run cable from the fixture to the driver or to the previous fixture. Male mini connector on one side and open end cable on the other side.	Static White	2 x 22 Awg, 8 in	15000140
	Mini Extension IP67 for Static White Use to extend the distance between connection points. Female connector on one side and male connector on the other side.	Static White Static White	2 x 22 Awg, 4 in 2 x 22 Awg, 6.5 ft	15000143 15000144
	Mini Female Protection Cap IP67 for Static White Use to seal unused connectors and maintain IP67 ingress protection.	Static White	—	15000218

## Drivers

Item	Specifications	Downloads
<b>LED LINEAR™</b> Non-Dimmable Drivers 	<ul style="list-style-type: none"> <li>• UL 8750 Listed Enclosure - With Built-In Junction Boxes</li> <li>• Universal Input Voltage 120V - 277V</li> <li>• IP65 - For Both Indoor and Outdoor Use</li> <li>• No Minimum Load Requirement</li> <li>• 24V Constant Voltage Output, Class 2</li> <li>• Available in three wattages 30W, 60W and 96W</li> <li>• Max. Dimensions: 12-1/8" x 2-3/8" x 1-3/8"</li> </ul>	<a href="#">30 W SPEC SHEET</a> <a href="#">60 W SPEC SHEET</a> <a href="#">96 W SPEC SHEET</a> <a href="#">INSTALLATION INSTRUCTIONS</a>
<b>LED LINEAR™</b> 0-10V Dimmable Drivers 	<ul style="list-style-type: none"> <li>• UL 8750 Listed Enclosure - With Built-In Junction Boxes</li> <li>• 0-10V Dimmable - Flicker Free Down to 1%</li> <li>• Universal Input Voltage 120V - 277V</li> <li>• IP65 - For Both Indoor and Outdoor Use</li> <li>• 24V Constant Voltage Output, Class 2, Class P</li> <li>• Available in three wattages 30W, 60W and 96W</li> <li>• Max. Dimensions: 12-1/8" x 2-3/8" x 1-3/8"</li> </ul>	<a href="#">30 W SPEC SHEET</a> <a href="#">60 W SPEC SHEET</a> <a href="#">96 W SPEC SHEET</a> <a href="#">INSTALLATION INSTRUCTIONS</a>
<b>LED LINEAR™</b> ELV/Triac Dimmable Drivers 	<ul style="list-style-type: none"> <li>• UL 8750 Listed Class 2 Enclosure</li> <li>• 24V constant voltage output</li> <li>• Compact size yet high efficiency and performance in dry and damp environments (IP67)</li> <li>• Multiple Inputs: 120V or 277V</li> <li>• Fully dimmable: ELV Dimmers - Reverse or Adaptive Phase Control, Trailing Edge</li> <li>• Available in two wattages 48W and 96W</li> <li>• Multiple Circuits are available up to 4 units (up to 384W)</li> </ul>	<a href="#">48 W SPEC SHEET</a> <a href="#">96 W SPEC SHEET</a> <a href="#">INSTALLATION INSTRUCTIONS</a>
 PWM Dimmable Drivers 	<ul style="list-style-type: none"> <li>• Universal AC input / Full range (up to 305VAC)</li> <li>• Constant voltage PWM style output</li> <li>• Built-in 3 in 1 dimming function (0-10Vdc or PWM signal or resistance)</li> <li>• Dimming range : 0-100%</li> <li>• Class 2 power unit</li> <li>• Suitable for dry / damp / wet locations</li> <li>• UL Recognized component, 5 years warranty</li> </ul>	<a href="#">40 W SPEC SHEET</a> <a href="#">60 W SPEC SHEET</a> <a href="#">90 W SPEC SHEET</a> <a href="#">INSTALLATION INSTRUCTIONS</a>
<b>OLUTRON</b> Dimmable Drivers 	<ul style="list-style-type: none"> <li>• UL Listed Enclosure</li> <li>• Dimming Range: 100% to 1% and 0.1% (Premiere)</li> <li>• LED lighting turns on to any dimmed level without flashing to full brightness</li> <li>• Operating Voltage: 120V~ to 277V~ at 50/60 Hz</li> <li>• Rated lifetime of 50,000 hours at 40°C (104°F) ambient temperature and maximum loading</li> <li>• For rated warranty, ambient temperature not to exceed 40°C (104°F)</li> <li>• Open-circuit protected output</li> </ul>	<a href="#">HI-LUME SPEC SHEET</a> <a href="#">HI-LUME PREMIERE SPEC SHEET</a> <a href="#">INSTALLATION INSTRUCTIONS</a>
<b>eldoLED</b> DALI/DMX Dimmable Drivers 	<ul style="list-style-type: none"> <li>• Available in linear or rectangular format</li> <li>• 100W, DMX/DALI interface for Static White, Tunable White and RGB/W Applications</li> <li>• 4 control channels</li> <li>• 24V constant voltage, 4 x 24V outputs</li> <li>• Metal or plastic case options</li> </ul>	<a href="#">100 W SPEC SHEET</a> <a href="#">INSTALLATION INSTRUCTIONS</a>

## Controllers

Item	Specifications	Downloads
<b>eldoLED</b> Controllers 	<b>180/D</b> DMX Controller for RGB/W and Tunable White Applications	<a href="#">180/D SPEC SHEET</a>
	<b>210/D</b> Dali Controller for Static White Applications	<a href="#">210/D SPEC SHEET</a>
	<b>211/D-LG</b> 0-10V Logarithmic Dimming Controller	<a href="#">211/D-LG SPEC SHEET</a>
	<b>211/D-LN</b> 0-10V Linear Dimming Controller	<a href="#">211/D-LN SPEC SHEET</a>
	<b>212/D</b> DMX Controller for Static White and Static Color Applications	<a href="#">212/D SPEC SHEET</a>
	<b>DimWheel</b> DMX Wall Controller for RGB/W and Tunable White Applications	<a href="#">DIM WHEEL SPEC SHEET</a>

Click for more information

[INSTALLATION](#)

[IES FILES](#)

[DRIVERS & CONTROLS](#)

[LED LINEAR TECHNOLOGY](#)

[VOLTAGE DROP CALCULATOR](#)