

AMOR SV IP67 Static White

LED LINEAR™
lighting solutions

Member of the
Fagerhult Group



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 7 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 80. Consistent light intensity all along the strip length. Fully dimmable. Engineered and produced in Germany.

Project name

Fixture type

Phase

Specifier

Date



Integrated Circuit Driver
Up to 78 lm/ft constant light output

Reel-to-Reel R2R Production
High Quality Solder Free Reels

Tj Away® Thermal Management
Exceptional Thermal Dissipation

One Bin Only
3 MacAdam 80 CRI

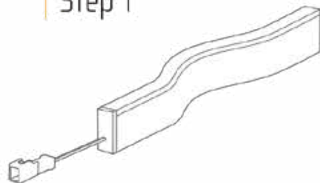
L/B Lifetime
L80/B10 >60,000 hrs

6 Digit Photometric Code
Wxxx/339

IES LM79/LM80
LM79/LM80 Compliant

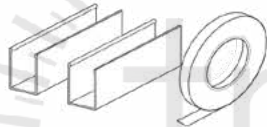
Ordering Process

Step 1



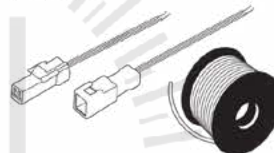
Fixture (Page 1)

Step 2



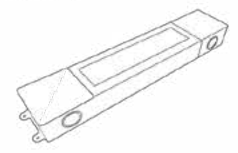
Mounting Accessories (Page 4)

Step 3



Cables and Connectors (Page 4)

Step 4



Drivers and Controllers (Page 5)

Fixture Order Code

Family	Model	Lumen package*	Color rendering	Color temperature	Custom Length**	Variant	Ingress
VarioLED Flex	Amor	---	W8	---	---	SV	IP67
		HD8-78 lm/ft	W8-80CRI	22-2500K	L _{min} : 391 mm (1' 3-3/8")	Horizontal Bend	
				27-3100K	L _{max} : 5016 mm (16' 5-1/2")		
				30-3500K	Increment: 62.5 mm (2-7/8")		
				35-4000K			
				40-4800K			

* Lumen Values represent 4800K (W840).

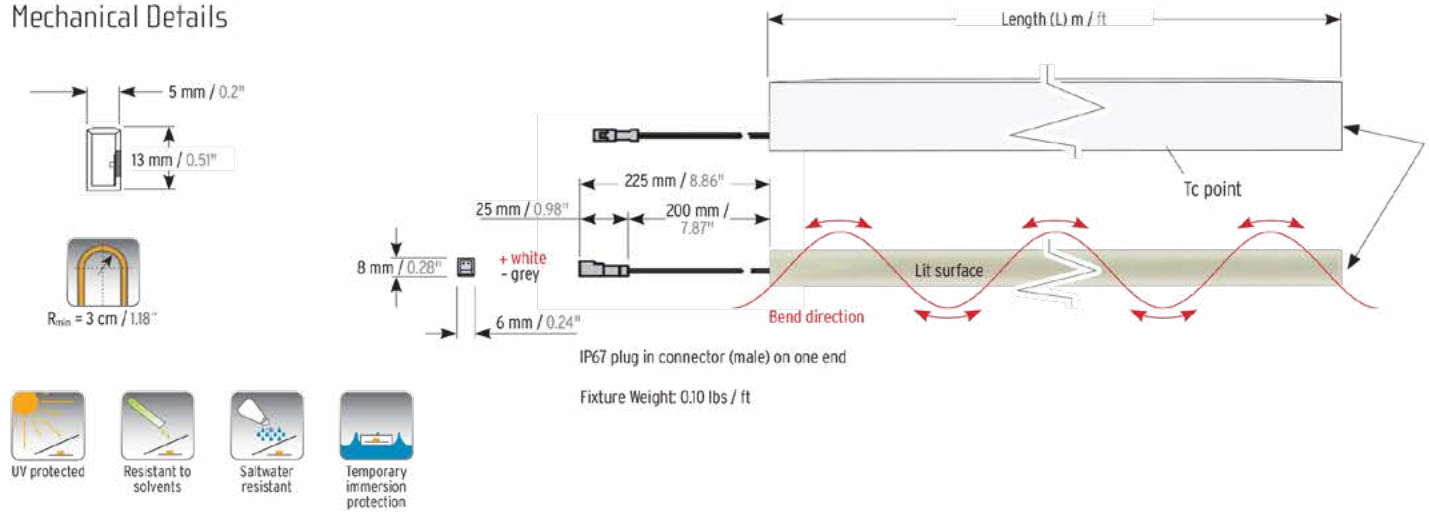
** Custom Length should be specified in millimeters (mm). See page 3 for all available lengths.

	Color temperature	CCT (Delivered)*	Lumen/ft	W/ft*
Static White	W822	2,500 K	72	2.4
	W827	3,100 K	72	2.4
	W830	3,500 K	75	2.4
	W835	4,000 K	75	2.4
	W840	4,800 K	78	2.4

* CCT tolerances occur in IP67 products due to the encapsulation of the fixture.

* 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

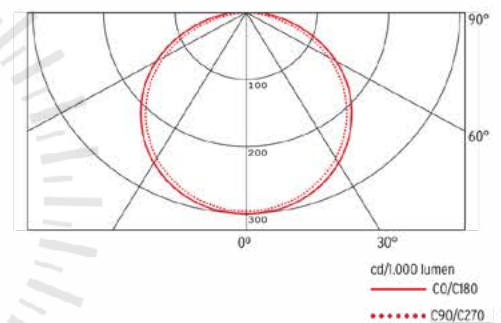
Voltage	24 Volt (23 V _{min} , 25 V _{max})
Case temperature ^a	T _{Cmin} = -13°F / -25°C, T _{Cmax} = 140°F / 60°C
Storage temperature	T _{Smin} = -22°F / -30°C, T _{Smax} = 185°F / 85°C
Ambient temperature	T _{Amin} = -13°F / -25°C, T _{Amax} = 113°F / 45°C
Power (W/ft) ^a	2.4
Efficacy (lm / W) ^a @ W840	34
CRI / R9 @ 3000 K	up to 85 / -up to 20

^a 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%.

^b 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 2.4 Watts/Ft		Fixture length (Continued)		Static White 2.4 Watts/Ft	
inches	mm	Watts/fixture	Lumens/fixture @W930K	inches	mm	Watts /fixture	Lumens /fixture @W830K
15.4	391	3	100	108.9	2766	22	708
17.9	454	4	116	111.4	2829	22	724
20.3	516	4	132	113.8	2891	23	740
22.8	579	5	148	116.3	2954	23	756
25.2	641	5	164	118.7	3016	24	772
27.7	704	6	180	121.2	3079	24	788
30.2	766	6	196	123.7	3141	25	804
32.6	829	7	212	126.1	3204	25	820
35.1	891	7	228	128.6	3266	26	836
37.5	954	8	244	131.0	3329	26	852
40.0	1016	8	260	133.5	3391	27	868
42.5	1079	8	276	136.0	3454	27	884
44.9	1141	9	292	138.4	3516	28	900
47.4	1204	9	308	140.9	3579	28	916
49.8	1266	10	324	143.3	3641	29	932
52.3	1329	10	340	145.8	3704	29	948
54.8	1391	11	356	148.3	3766	30	963
57.2	1454	11	372	150.7	3829	30	979
59.7	1516	12	388	153.2	3891	31	995
62.1	1579	12	404	155.6	3954	31	1011
64.6	1641	13	420	158.1	4016	32	1027
67.1	1704	13	436	160.6	4079	32	1043
69.5	1766	14	452	163.0	4141	33	1059
72.0	1829	14	468	165.5	4204	33	1075
74.4	1891	15	484	168.0	4266	34	1091
76.9	1954	15	500	170.4	4329	34	1107
79.4	2016	16	516	172.9	4391	35	1123
81.8	2079	16	532	175.3	4454	35	1139
84.3	2141	17	548	177.8	4516	36	1155
86.8	2204	17	564	180.3	4579	36	1171
89.2	2266	18	580	182.7	4641	37	1187
91.7	2329	18	596	185.2	4704	37	1203
94.1	2391	19	612	187.6	4766	38	1219
96.6	2454	19	628	190.1	4829	38	1235
99.1	2516	20	644	192.6	4891	39	1251
101.5	2579	20	660	195.0	4954	39	1267
104.0	2641	21	676	197.5	5016	39	1283
106.4	2704	21	692				

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.	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
LED LINEAR™ Non-Dimmable Drivers 	• UL 8750 Listed Enclosure - With Built-In Junction Boxes • Universal Input Voltage 120V - 277V • IP65 - For Both Indoor and Outdoor Use • No Minimum Load Requirement • 24V Constant Voltage Output, Class 2 • Available in three wattages 30W, 60W and 96W • Max. Dimensions: 12-1/8" x 2-3/8" x 1-3/8"	30 W SPEC SHEET 60 W SPEC SHEET 96 W SPEC SHEET INSTALLATION INSTRUCTIONS
LED LINEAR™ 0-10V Dimmable Drivers 	• UL 8750 Listed Enclosure - With Built-In Junction Boxes • 0-10V Dimmable - Flicker Free Down to 1% • Universal Input Voltage 120V - 277V • IP65 - For Both Indoor and Outdoor Use • 24V Constant Voltage Output, Class 2, Class P • Available in three wattages 30W, 60W and 96W • Max. Dimensions: 12-1/8" x 2-3/8" x 1-3/8"	30 W SPEC SHEET 60 W SPEC SHEET 96 W SPEC SHEET INSTALLATION INSTRUCTIONS
LED LINEAR™ ELV/Triac Dimmable Drivers 	• UL 8750 Listed Class 2 Enclosure • 24V constant voltage output • Compact size yet high efficiency and performance in dry and damp environments (IP67) • Multiple Inputs: 120V or 277V • Fully dimmable: ELV Dimmers - Reverse or Adaptive Phase Control, Trailing Edge • Available in two wattages 48W and 96W • Multiple Circuits are available up to 4 units (up to 384W)	48 W SPEC SHEET 96 W SPEC SHEET INSTALLATION INSTRUCTIONS
 MEAN WELL PWM Dimmable Drivers 	• Universal AC input / Full range (up to 305VAC) • Constant voltage PWM style output • Built-in 3 in 1 dimming function (0-10Vdc or PWM signal or resistance) • Dimming range : 0-100% • Class 2 power unit • Suitable for dry / damp / wet locations • UL Recognized component, 5 years warranty	40 W SPEC SHEET 60 W SPEC SHEET 90 W SPEC SHEET INSTALLATION INSTRUCTIONS
 LUTRON Dimmable Drivers 	• UL Listed Enclosure • Dimming Range: 100% to 1% and 0.1% (Premiere) • LED lighting turns on to any dimmed level without flashing to full brightness • Operating Voltage: 120V~ to 277V~ at 50/60 Hz • Rated lifetime of 50,000 hours at 40°C (104°F) ambient temperature and maximum loading • For rated warranty, ambient temperature not to exceed 40°C (104°F) • Open-circuit protected output	HI-LUME SPEC SHEET HI-LUME PREMIERE SPEC SHEET INSTALLATION INSTRUCTIONS
eldoLED DALI/DMX Dimmable Drivers 	• Available in linear or rectangular format • 100W, DMX/DALI interface for Static White, Tunable White and RGB/W Applications • 4 control channels • 24V constant voltage, 4 x 24V outputs • Metal or plastic case options	100 W SPEC SHEET INSTALLATION INSTRUCTIONS

Controllers

Item	Specifications	Downloads
	180/D DMX Controller for RGB/W and Tunable White Applications	180/D SPEC SHEET
	210/D Dali Controller for Static White Applications	210/D SPEC SHEET
	211/D-LG 0-10V Logarithmic Dimming Controller	211/D-LG SPEC SHEET
	211/D-LN 0-10V Linear Dimming Controller	211/D-LN SPEC SHEET
	212/D DMX Controller for Static White and Static Color Applications	212/D SPEC SHEET
	DimWheel DMX Wall Controller for RGB/W and Tunable White Applications	DIM WHEEL SPEC SHEET

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INSTALLATION

IES FILES

DRIVERS & CONTROLS

LED LINEAR TECHNOLOGY

VOLTAGE DROP CALCULATOR