

SurfaceMount Shallow - Assembled Fixture

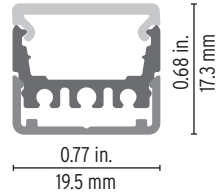
LED LINEAR™



Fixture is designed to ensure that the LED source is invisible, offering uniform and soft lighting for the eyes. Compact and versatile design.

Features

- Designed to give a uniform light without hot spots.
- Extra heatsinking to accommodate better heat dissipation.
- Compatible with multiple installation accessories.



Project name _____

Fixture type _____ Phase _____

Specifier _____ Date _____



Cable Feed: End (E), Side (S)
Max 7.6 W/ft

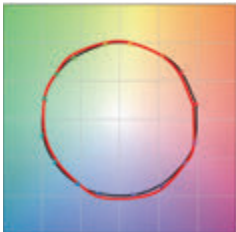
Order Code

Family	LED Tape	CRI	CCT	Optic	Cable / Connector ⁴	Cable Position	Mounting ³	Fixture length (mm)	Ingress
VarioLED 0002	-----	W_	---	---	---	---	---	---	IP20
Surface Shallow	Nexus HD6-1.8 w/ft, 155 lm/ft	W8 85CRI	22 2200K ²	HO High Opal	FM Female & Male (4")	E End	FMP Flat Mounting Profile 6.5'	Refer to length chart on page 3	IP20
	Nexus HD10-2.9 w/ft, 250 lm/ft	W9 95CRI	27 2700K	LO Low Opal	MS Male one side only (4")	S Side	FMC Flat Mounting Clip		
	Nexus HD15-4.7 w/ft, 400 lm/ft		30 3000K	RO Round Opal	OB Open Cable both sides (6')		15C 15° Mounting Clip		
	Nexus HD25-7.6 w/ft, 670 lm/ft		35 3500K		OS Open Cable one side only (6')		30C 30° Mounting Clip		
			40 4000K	HS High Semi-Opal			45C 45° Mounting Clip		
			50 5000K ²	LS Low Semi-Opal			PMC Plastic Mounting Clip		
				RS Round Semi-Opal			AMC Adjustable Mounting Clip		
							WMP Wall Mounting Profile 6.5'		
				HC High Clear					
				LC Low Clear					
			RC Round Clear						

¹ Delivered Lumens @3000K with Clear Optic. ² Available only in 85CRI. ³ See Components spec sheet for details. ⁴ 2 x 22 AWG wires are supplied. See page 3 for more connectors.

LED Tape Specifications

Color vector graphic



Color distortion graphic



- R_r 92
- R_g 101
- CRI 95
- R9 85

- 2200
- 2700
- 3000
- 3500
- 4000
- 5000 Kelvin

HD - High density / 8.93 mm LED pitch



L90/B10 > 60,000 h

Wxxx/339

		HD6		HD10		HD15		HD25		Power (W/ft) ^b	HD6	HD10	HD15	HD25
		CCT	Lumen/ft ^a	W/ft ^b	Lumen/ft ^a	W/ft ^b	Lumen/ft ^a	W/ft ^b	Lumen/ft ^a					
Static White	● W822	2,200 K	140	1.8	240	2.9	390	4.7	650	7.6	1.8	2.9	4.7	7.6
	● W927	2,700 K	150	1.8	260	2.9	410	4.7	670	7.6	2.9	4.7	7.6	9.8 / 3
	● W930	3,000 K	160	1.8	260	2.9	420	4.7	690	7.6	4.7	7.6	120	
	● W935	3,500 K	160	1.8	270	2.9	430	4.7	710	7.6	7.6	7.6	95 / 75	95 / 75
	● W940	4,000 K	160	1.8	270	2.9	440	4.7	710	7.6	95 / 100	95 / 100	95 / 100	95 / 100
	● W940	4,000 K	160	1.8	270	2.9	440	4.7	710	7.6	95 / 100	95 / 100	95 / 100	95 / 100
	● W850	5,000 K	190	1.8	340	2.9	550	4.7	910	7.6	122°F/50°C	122°F/50°C	113°F/45°C	104°F/40°C

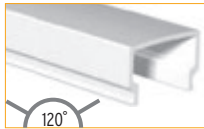
^a Lumen values represent bare LED tape. Refer to page 2 to calculate delivered fixture lumens by using the light efficiency percentages.

^b 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%.

Technical Details

HIGH OPAL

55% light transmittance



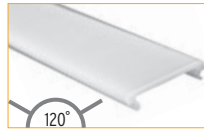
Dot free

5% warmer CCT offset

This lens provides a homogenous line of light.

LOW OPAL

50% light transmittance



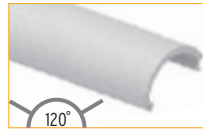
Dot free

5% warmer CCT offset

This lens provides a homogenous line of light.

ROUND OPAL

55% light transmittance



Dot free

5% warmer CCT offset

This lens provides a homogenous line of light.

Clear and Semi-Opal are 95% and 80% efficient respectively. They exhibit visible dotting effect.

Mounting Dimensions



15C/30C/45C
Angled Mounting Clips



FMP/FMC
Flat Mounting
Profile / Clip



PMC
Plastic
Mounting Clip

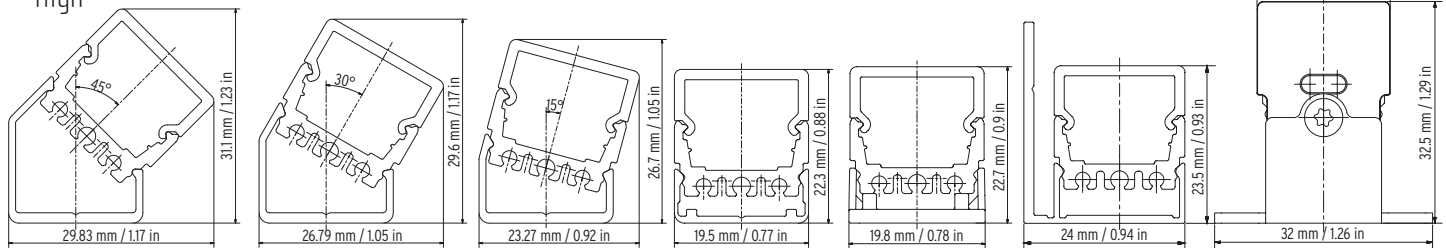


WMP
Wall Mounting Profile

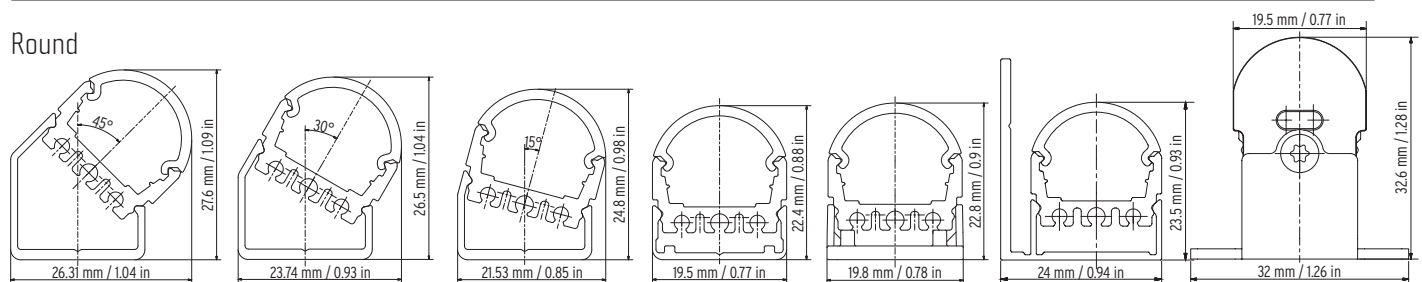


Adjustable
Mounting Clip

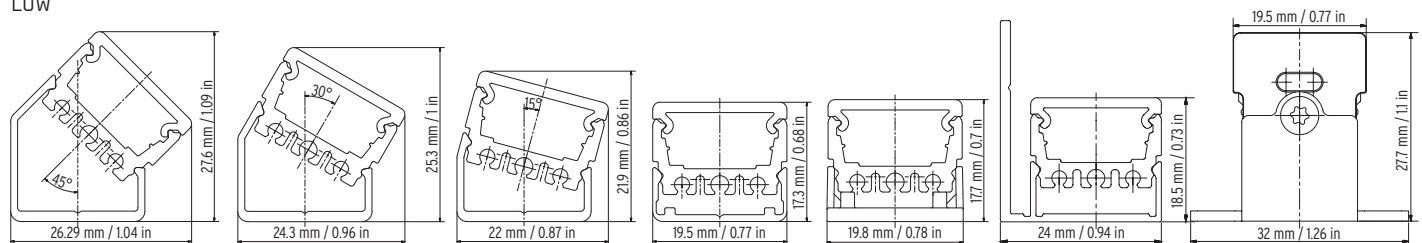
High



Round





Low



LENGTH CHART

Fixture length		HD6 1.8 Watts/Ft		HD10 2.9 Watts/Ft		HD15 4.7 Watts/Ft		HD25 7.6 Watts/Ft	
inches	mm	Watts/fixture	Lumens/fixture @3000K	Watts/fixture	Lumens/fixture @3000K	Watts/fixture	Lumens/fixture @3000K	Watts/fixture	Lumens/fixture @3000K
3.2	83	0.5	42	0.8	68	1.2	108	2.1	181
5.7	145	0.9	74	1.4	119	2.2	190	3.6	319
8.2	208	1.2	105	2.0	170	3.1	272	5.2	456
10.6	270	1.6	137	2.7	221	4.1	354	6.7	593
13.1	333	2.0	169	3.3	273	5.0	436	8.3	731
15.6	395	2.3	201	3.9	324	6.0	518	9.8	868
18.0	458	2.7	233	4.5	375	6.9	600	11.4	1005
20.5	520	3.1	264	5.1	426	7.8	682	13.0	1143
22.9	583	3.4	296	5.7	478	8.8	764	14.5	1280
25.4	645	3.8	328	6.3	529	9.7	846	16.1	1417
27.9	708	4.2	360	7.0	580	10.7	928	17.6	1555
30.3	770	4.5	391	7.6	631	11.6	1010	19.2	1692
32.8	833	4.9	423	8.2	683	12.6	1092	20.8	1830
35.2	895	5.3	455	8.8	734	13.5	1174	22.3	1967
37.7	958	5.7	487	9.4	785	14.4	1256	23.9	2104
40.2	1020	6.0	519	10.0	836	15.4	1338	25.4	2242
42.6	1083	6.4	550	10.7	888	16.3	1420	27.0	2379
45.1	1145	6.8	582	11.3	939	17.3	1502	28.5	2516
47.5	1208	7.1	614	11.9	990	18.2	1584	30.1	2654
50.0	1270	7.5	646	12.5	1041	19.2	1666	31.7	2791
52.5	1333	7.9	677	13.1	1093	20.1	1748	33.2	2928
54.9	1395	8.2	709	13.7	1144	21.0	1830	34.8	3066
57.4	1458	8.6	741	14.3	1195	22.0	1912	36.3	3203
59.8	1520	9.0	773	15.0	1246	22.9	1994	37.9	3340
62.3	1583	9.3	805	15.6	1298	23.9	2076	39.4	3478
64.8	1645	9.7	836	16.2	1349	24.8	2158	41.0	3615
67.2	1708	10.1	868	16.8	1400	25.8	2240	42.6	3752
69.7	1770	10.5	900	17.4	1451	26.7	2322	44.1	3890
72.1	1833	10.8	932	18.0	1503	27.6	2404	45.7	4027
74.6	1895	11.2	963	18.6	1554	28.6	2486	47.2	4164
77.1	1958	11.6	995	19.3	1605	29.5	2568	48.8	4302


Connectors

Item	Description	Model	Dimensions	Order Code
	Use to connect the driver to the beginning of the LED tape run or to the next LED tape section. Female mini connector on one side and open end cable on the other side.	Static White	2 x 22 Awg, 6.5 ft	15000147
	Use to extend the distance between connection points. Female mini connector on one side and male mini connector on the other side.	Static White Static White	2 x 22 Awg, 3.2 ft 2 x 22 Awg, 6.5 ft	15000148 15000149

Compatible Drivers

Item	Specifications	Downloads
LED LINEAR™ Non-Dimmable Drivers 	<ul style="list-style-type: none"> • 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 style="list-style-type: none"> • 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 style="list-style-type: none"> • 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
 PWM Dimmable Drivers 	<ul style="list-style-type: none"> • 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
OLUTRON Dimmable Drivers 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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
eldoLED Controllers 	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

Click for more information

VOLTAGE DROP CALCULATOR

INSTALLATION

LED LINEAR TECHNOLOGY