

# UnderCabinetMount - Assembled Fixture

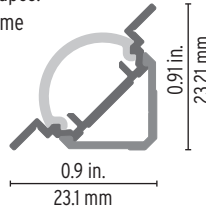
# LED LINEAR™



Contour 1907 is a corner profile that offers a minimum of mounting height which should be used in combination with our high density (HD) LED tapes. It can be used as undercabinet lighting, corner lighting or furniture lighting. It can be equipped with a huge variety of different diffuser optics (semi-opal and opal). Silver, White or Black finish.

### Features

- Delivered in standard 6.5 ft (2 m) lengths.
- Extra heatsinking to accommodate medium/high power LED tapes.
- Its use increases the lifetime of your LED strip.
- Compatible with corner installation accessories.
- Cable Feed: End (E)



Static White

Project name \_\_\_\_\_

Fixture type \_\_\_\_\_ Phase \_\_\_\_\_

Specifier \_\_\_\_\_ Date \_\_\_\_\_

IC Driver  
Constant light output

TJ Away  
Exceptional Thermal Dissipation

Reel-to-Reel  
High Quality Solder Free Reels

One Bin Only  
3 MacAdam up to 90 CRI

Dot Free

L80/B10 >60,000 hrs

Wxxx/339

IES LM79/LM80 Compliant

## Order Code

Family	LED Tape <sup>1</sup>	CRI	CCT	Finish	Optic	Cable / Connector <sup>2</sup>	Cable Position	Mounting <sup>3</sup>	Fixture length (mm)	Ingress
VarioLED 1907	-----	W9	---	--	---	---	E	CP	-----	IP20
Undercabinet	HD10-3.0 w/ft, 300 lm/ft	W9 90CRI	27 2700K	S Silver	RO Round Opal	FM Female & Male (4")	E End	CP Corner Profile	Refer to length chart on page 2	IP20
	HD17-5.2 w/ft, 490 lm/ft		30 3000K	B Black	RS Round Semi-Opal	MS Male one side only (4")				
			35 3500K	W White		OB Open Cable both sides (6.5')				
			40 4000K			OS Open Cable one side only (6.5')				

<sup>1</sup> Delivered Lumens @3000K with no Optic. <sup>2</sup> 2 x 22 AWG wires are supplied. See page 3 for more connectors. <sup>3</sup> See Components spec sheet for details.

## LED Tape Specifications

Color vector graphic

Color distortion graphic

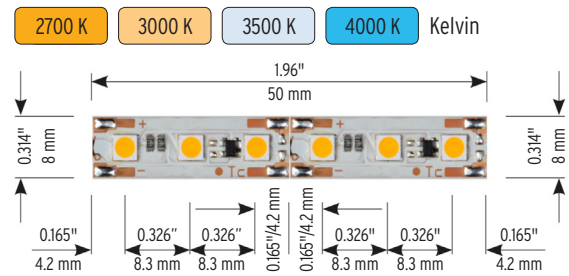
R<sub>r</sub> 89

R<sub>g</sub> 103

CRI 90

R9 66

— Reference illuminant — Test source @ 7777K



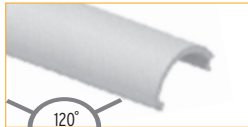
	HD10			HD17			Power (W/ft) <sup>8</sup>	Efficacy (lm / W) <sup>8</sup>	Max length (ft)	CRI / R9 (up to)	R <sub>r</sub> / R <sub>g</sub>	Temp. Tc-point (Ta <sub>max</sub> )	Max ambient temp. (Ta <sub>max</sub> )
	CCT	Lumen/ft <sup>4</sup>	W/ft <sup>8</sup>	Lumen/ft <sup>4</sup>	W/ft <sup>8</sup>								
Static White	● W927	2,700 K	300	3.0	480	5.2	3.0	108	27.9	90 / 66	89 / 103	158°F/70°C	122°F/50°C
	● W930	3,000 K	300	3.0	490	5.2							
	● W935	3,500 K	310	3.0	510	5.2							
	● W940	4,000 K	320	3.0	520	5.2							

<sup>4</sup> Lumen values represent bare LED tape. Refer to page 2 to calculate delivered fixture lumens by using the light efficiency percentages.  
<sup>8</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%.

## Technical Details

ROUND OPAL

55% light efficiency



Dot free

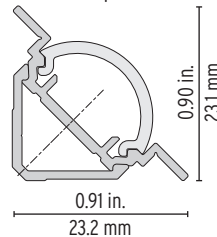
5% warmer CCT offset

This lens provides a homogenous line of light.

Semi-Opal lenses are 80% efficient. They exhibit visible dotting effect.

## Mounting Dimensions



Round Optic



## LENGTH CHART - End Feed (E)

Fixture length		HD10 3.0 Watts/Ft		HD17 5.2 Watts/Ft	
inches	mm	Watts/fixture	Lumens/fixture @3000K	Watts/fixture	Lumens/fixture @3000K
2.8	70	0.7	69	1.2	113
4.7	120	1.2	118	2.0	193
6.7	170	1.7	167	2.9	273
8.7	220	2.2	216	3.8	354
10.6	270	2.7	266	4.6	434
12.6	320	3.1	315	5.5	514
14.6	370	3.6	364	6.3	595
16.5	420	4.1	413	7.2	675
18.5	470	4.6	462	8.0	755
20.5	520	5.1	512	8.9	836
22.4	570	5.6	561	9.7	916
24.4	620	6.1	610	10.6	996
26.4	670	6.6	659	11.4	1077
28.3	720	7.1	708	12.3	1157
30.3	770	7.6	758	13.1	1238
32.3	820	8.1	807	14.0	1318
34.3	870	8.6	856	14.8	1398
36.2	920	9.1	905	15.7	1479
38.2	970	9.5	954	16.5	1559
40.2	1020	10.0	1004	17.4	1639
42.1	1070	10.5	1053	18.2	1720
44.1	1120	11.0	1102	19.1	1800
46.1	1170	11.5	1151	20.0	1880
48.0	1220	12.0	1200	20.8	1961
50.0	1270	12.5	1250	21.7	2041
52.0	1320	13.0	1299	22.5	2122
53.9	1370	13.5	1348	23.4	2202
55.9	1420	14.0	1397	24.2	2282
57.9	1470	14.5	1446	25.1	2363
59.8	1520	15.0	1496	25.9	2443
61.8	1570	15.4	1545	26.8	2523
63.8	1620	15.9	1594	27.6	2604
65.7	1670	16.4	1643	28.5	2684
67.7	1720	16.9	1692	29.3	2764
69.7	1770	17.4	1742	30.2	2845
71.7	1820	17.9	1791	31.0	2925
73.6	1870	18.4	1840	31.9	3005
75.6	1920	18.9	1889	32.7	3086
77.6	1970	19.4	1938	33.6	3166

## Connectors

Item	Description	Model	Dimensions	Order Code
	Mini Female Connector IP20 for Static White 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
	Mini Extension IP20 for Static White 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

## VOLTAGE DROP INFORMATION FOR THE FEED-IN LINE (From Driver to Fixture)


	Cable Cross Section							
	Run length		Max. cable length between driver and LED tape					
	feet	m	AWG 22		AWG 15			
HD 10	3.3	1	63.6	19.4	280.8	85.6		
	6.6	2	31.8	9.7	140.4	42.8		
	9.8	3	20.9	6.4	93.5	28.5		
	13.1	4	15.7	4.8	70.2	21.4		
	16.4	5	12.4	3.8	56.1	17.1		
	19.6	6	10.4	3.2	46.5	14.2		
	22.9	7	8.8	2.7	40.0	12.2		
HD 17	3.3	1	37.4	11.4	165.6	50.4		
	6.6	2	18.7	5.7	82.6	25.2		
	9.8	3	12.4	3.8	55.1	16.8		
	13.1	4	9.1	2.8	41.3	12.6		
	16.4	5	7.2	2.2	32.8	10.0		
	19.6	6	6.2	1.9	27.5	8.4		
	22.9	7	5.2	1.6	23.6	7.2		

Calculation refers to the cable configuration on-site. Calculation based on a max. voltage drop of 0.85 V.

## Compatible 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>
 <b>PWM Dimmable Drivers</b> 	<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>Dimmable Drivers</b> 	<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>

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VOLTAGE DROP CALCULATOR

INSTALLATION

LED LINEAR TECHNOLOGY