

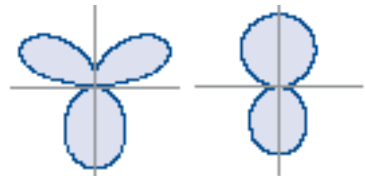
## Rail LED Pendant Indirect/Direct

Fixture Type:

Project Name:

### Ordering Guide

Feature	Code	Options	Description
<b>Series</b>		12L	Rail
<b>Mounting</b>		P	Pendant
<b>Fixture distribution</b>		ID	Indirect/Direct
<b>Uplight distribution</b>		STD LPA	Standard Low Peak Angle
<b>Row length (in feet)</b>		---	Enter in foot increments. Note fixture lengths below.
<b>Max length in row</b>		03 04 06 08	3', 914mm 4', 1219mm 6', 1829mm 8', 2438mm
<b>Downlight diffuser</b>		SOF BWO	Soft Diffuse Blade Baffle with Overlay
<b>Finish/Color</b>		C1 C2 C3 C4 C5 C6 CC	CWM-Matte White TCWM-Textured, Matte White CSL-Light Silver CMA-Machined Aluminum CCB-Carbon Black TCBC-Textured, Camera Black CCY-Custom Color
<b>Color temperature</b>		30K 35K 40K	3000K 3500K 4000K
<b>Indirect output/ft</b> <i>(specifiable in 50 lumens/ft increments)</i>		I025 I100	250 (not available in 3' individual) 1000
<b>Direct output/ft</b> <i>(specifiable in 50 lumens/ft increments)</i>		D015 D090	150 (not available in 3' individual) 900
<b>Driver</b>		NDM D10 D01 LEC LHI	Non Dimming Osram 10% Dimming Osram 1% Dimming Lutron Ecosystem Dimming Lutron Hi-Lume 3-Wire Dimming
<b>Circuiting</b>		1C 2C	1 Circuit 2 Circuit-Up Light/ Down Light
<b>Voltage</b>		UNV 120 240 277	Universal Voltage 120 Volt 240 Volt 277 Volt
<b>Suspension kit</b>		FA1 FA2 FA3 FA4	Suspension Kit, 51" Suspension Kit, 87" Suspension Kit, 219" Suspension Kit, 363" *Add suffix /V to replace all 2" non-feed canopy covers with 5" canopy covers. FA1/V = 51" suspension kit w/5" canopies.



### Key Features

- Variable Intensity technology provides independently-adjustable uplight and downlight levels
- Windowless design provides for continuous lens along all fixture lengths
- 2 SDCM color variation
- Standard (lambertian) and low peak angle uplight options

### Performance

Nomenclature	Lumens/ft	W/ft	Efficacy
<b>Uplight (STD distribution)</b>			
I025 (min)	250	2.1	119
I050	500	3.8	132
I075	750	5.7	132
I100 (max)	1000	7.9	127
<b>Uplight (LPA distribution)</b>			
I025 (min)	250	2.5	100
I050	500	4.6	109
I075	750	6.9	109
I100 (max)	1000	9.6	104
<b>Downlight</b>			
D015 (min)	150	1.8	83
D025	250	2.6	96
D050	500	4.9	102
D075	750	7.3	103
D090 (max)	900	8.9	101



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**12L-P**

## Rail LED Pendant Indirect/Direct

Optional Features	Code	Options	Description
<b>Nightlight</b>		_NL	Nightlight Circuit Required. Enter quantity. 2NL = 2 nightlight circuits/row
<b>Emergency</b>		_EF	Emergency Battery Required. Enter quantity. 2EF = 2 emergency batteries/row
<b>Thru-wiring</b>		W1 W2 W3 W4	No Thru Wire Provide Normal and Emergency Thru Wiring* Provide Normal Thru Wiring Only Provide Emergency Thru Wiring Only *Only applicable when specified with emergency
<b>Sensors</b>		_SD1	Daylight Sensor Required. Enter quantity. 2SD1 = 2 daylight sensors/row
<b>Dust cover</b>		L1	Clear Acrylic Dust Cover Lens

## Rail LED Pendant Indirect/Direct

### Details

**Construction:**

Extruded aluminum housing

**Finish:**

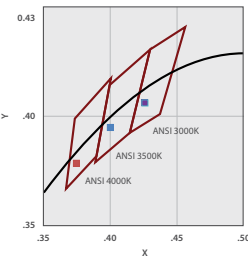
Visit [www.litecontrol.com/finishes](http://www.litecontrol.com/finishes) for details.

**Downlight diffuser:**

SOF-Softglo acrylic lens (ships installed)  
BWS-While blade baffle with softglo lens overlay (ships installed)

**CCT:**

30K-3000K output multiplier 0.975  
35K-3500K output multiplier 1.0  
40K-4000K output multiplier 1.05



**Color variation:**

2 step MacAdam ellipse

**Output (Vi Technology):**

Variable Intensity (VI) technology allows precise specification of fixture output/wattage. Fixture will be programmed & labeled to specification. See Output section for available increments.

**Output:**

Indirect and direct hemispheres can be independently specified. Specify each in 50 lumen increments/ft within the below range:

	Lumens/ft	Nomenclature
Indirect		
Min:	250	I025
Max:	1000	I100
Direct		
Min:	150	D015
Max:	900	D090

**Driver:**

NDM: Non-dimming. Fixture will be wired for fixed light output.  
D10: Low voltage 0-10V dimming control. 100%-10% dimming range.  
D01: Low voltage 0-10V dimming control. 100%-1% dimming range.  
LEC: Lutron Ecosystem-compatible using Lutron A-Series driver. 100%-1% dimming range.  
LHI: Lutron Hi-Lume 3 wire dimming-compatible using Lutron A-Series driver. 100%-1% dimming range.

**Circuiting:**

1C (1 Circuit) Uplight and downlight switched/dimmed together.  
2C (2 Circuit uplight/downlight) Uplight and downlight switched/dimmed separately. Two power feeds required.

**Suspension kit:**

3/64" diameter field-adjustable aircraft cable. Ship separately. Suspension required at every row joint. Low profile yoke style limiters visibility while providing maximum horizontal balance adjustment.

**Sensors:**

Daylight sensor only (Wattstopper part# FD301). Installs within diffuser; cover plate ensures clean fit/finish. Can be installed at any fixture joint. See separate LC-Controls spec sheet for additional details.

**Nightlight:**

See separate LC-Nightlight spec sheet for additional details.

**Emergency:**

Integral-Bodine BSL310LP  
Inverter-Compatible. Provided by others.

**Thru wiring:**

See separate LC-Thruwire spec sheet for additional details.

**Row joining:**

Each row joint/end cap requires dowel pins (factory-supplied) which provide preliminary alignment and fixture support. 5/8" Philips pan-head screws (factory-supplied) install from above to ensure tight, consistent seams.

**End caps:**

Die-cast aluminum. Sculpted-style only.

**Feed cord:**

3-wire, 5 amps max; 4-wire, 7 amps max; 5-wire, 5 amps max.

**Field accessibility:**

LED boards and drivers can be accessed and removed from above fixture, while installed. LED boards can be replaced either individually or as part of 4' module.

**Fixture weight:**

3 lbs/ft. End cap 0.5 lbs each.

**Ratings:**

CSA listed for damp locations. IBEW. AF of L.

**Warranty:**

LED boards-5 years  
LED drivers (standard)-5 years  
LED drivers (Lutron)-3 years

**CRI:**

80 minimum

CCT	CRI	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
30K	82	81	89	94	80	80	84	85	65	19	73	78	63	83	96
35K	83	82	90	94	81	81	85	87	68	24	75	78	62	84	97
40K	83	82	89	92	81	81	83	88	70	23	72	78	55	84	95

**Rated life:**

Tested in accordance to LM79-2008 & derived from EPA TM-21 calculator  
L70: 280,000 hours (calculated per TM-21 extrapolated curve)  
L70: >61,000 hours (reported per TM-21/LM80 6x's limitation)  
L90: 72,000 hours (calculated per TM-21 extrapolated curve)  
L90: >61,000 hours (reported per TM-21/LM80 6x's limitation)

Litecontrol reserves the right to change specifications without notice.



## Rail LED Pendant Indirect/Direct

### Intensity Options

Using VI technology, output can be specified to 50 lumens per foot.

	Minimum Lumens / 1'	Maximum Lumens / 1'
<b>Indirect Output:</b>	250	1000
<b>Direct Output:</b>	150	900

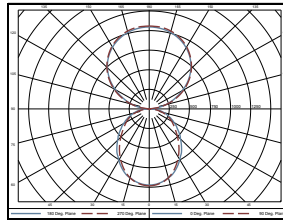
Specify based on **required distribution**. Assume a **75/25 distribution** is required:

**Example 1** 12L-P-ID-STD-200-08-BWO-C1-30K **I075** - **D025** -LEC-2C-277-15EFBLP1-15NL-W2-FA1/V/C3-1SD1-2DF-L1

Indirect output: 750 lumens/ft      Direct output: 250 lumens/ft      =      1000 total lumens/ft, 9.5W

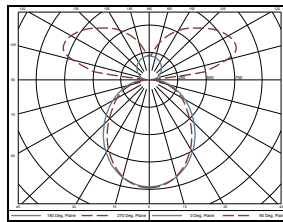
### Photometry

**Fixture:** 12L-P-ID-STD-04-04-SOF-C1-35K-I075/D050  
**CCT:** 3500K  
**Output:** I075/D050  
**Nominal lumens:** Indirect: 750/ft. Direct 500/ft.  
**Efficacy:** 121 lm/W  
**Test report:** 11L-P-ID-STD-04-04-SOF-C1-35K-I075/D050



Zone	Lumens	% of Luminaire
0-40	1142	20.3%
0-60	1711	33.9%
0-90	2455	43.6%
90-180	3172	56.4%

**Fixture:** 12L-P-ID-LPA-04-04-SOF-C1-35K-I065/D050  
**CCT:** 3500K  
**Output:** I065/D050  
**Nominal lumens:** Indirect: 650/ft. Direct 500/ft.  
**Efficacy:** 110 lm/W  
**Test report:** 11L-P-ID-LPA-04-04-SOF-C1-35K-I065/D050



Zone	Lumens	% of Luminaire
0-40	1148	22.9%
0-60	1724	38.2%
0-90	2465	49.1%
90-180	2559	50.9%