

## MOD™ 4 LED Pendant Indirect/Direct

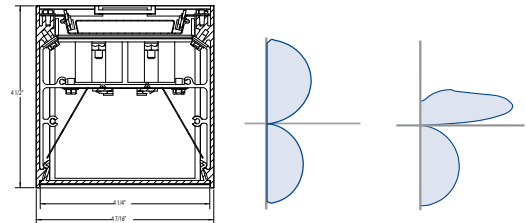
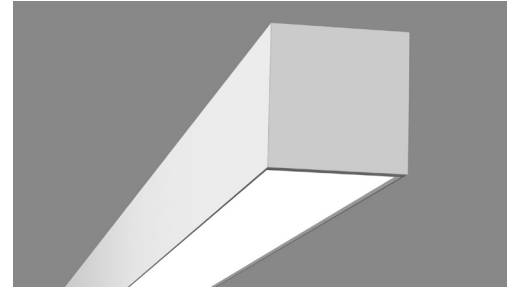
Fixture Type:

Project Name:

### Ordering Guide

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Feature	Code	Options	Description
<b>Series</b>		4L	MOD
<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>		02 03 04 05 06 08	2', 609mm 3', 914mm 4', 1219mm 5', 1524mm 6', 1829mm 8', 2438mm
<b>Downlight diffuser</b>		SOF	Soft Diffuse Lens
<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 CXY-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>		I030 I120	300 (not available in 3' individual) 1200
<b>Direct output/ft</b> <i>(specifiable in 50 lumens/ft increments)</i>		D030 D110	300 (not available in 3' individual) 1100
<b>Driver</b>		NDM D10 D01 LEC LHI LTW DALI	Non Dimming Osram 10% Dimming Osram 1% Dimming* Lutron Ecosystem Dimming Lutron Hi-Lume 3-Wire Dimming Lutron 2-wire DALI *Consult Factory
<b>Circuiting</b>		1C 2C AF	1 Circuit 2 Circuit- Uplight/Downlight Alternate Fixture Switching
<b>Voltage</b>		UNV 120 277 347	Universal Voltage 120 Volt 277 Volt 347 Volt* *Excludes Emergency Battery Pack 'EF' Option. Excludes DALI and Lutron (LTW/LHI/LEC) Dimming Drivers
<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 specifiable uplight and downlight light levels
- End cap design eliminates visible diffuser seams/gaps
- 2 SDCM color variation

### Performance

Nomenclature	Lumens/ft	W/ft	Efficacy
<b>Uplight (STD Distribution)</b>			
I030 (min)	300	2.4	126
I050	500	3.9	128
I075	750	6.0	126
I100	1000	8.2	123
I120 (max)	1200	10.1	119
<b>Uplight (LPA Distribution)</b>			
I030	300	2.5	118
I050	500	4.2	119
I075	750	6.5	115
I100	1000	9.0	111
I120( max)	1200	11.2	107
<b>Downlight</b>			
D030 (min)	300	2.9	104
D050	500	4.3	104
D075	750	7.4	101
D110	1100	10.2	98

(wattage may vary up to 5% from published)



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**4L-P-ID**

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### Ordering Guide (continued)

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 *Available only in 4' or greater lengths
<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>Dust Cover</b>		L1	Clear Acrylic Dust Cover Lens

#### Output Exceptions:

Value	Indirect Output- Total lm/ft	ONLY FOR 'ID' FIXTURES
1030	300	Excludes 2' fixture lengths. 3' fixture lengths: Excludes LEC, LHI, LTW, and DALI Dimming Drivers 4' fixture lengths: Excludes DALI Dimming Drivers
1035	350	Excludes 2' fixture lengths. 3'-4' fixture lengths: Excludes DALI Dimming Drivers
1040	400	2' fixture lengths: Excludes LEC, LHI, LTW, and DALI Dimming Drivers 3' fixture lengths: Excludes DALI Dimming Drivers
1045	450	2' fixture lengths: Excludes LEC, LHI, LTW, and DALI Dimming Drivers 3' fixture lengths: Excludes DALI Dimming Drivers
1050	500	2' fixture lengths: Excludes LEC, LHI, LTW, and DALI Dimming Drivers
1055	550	2' fixture lengths: Excludes DALI Dimming Drivers
1060	600	2' fixture lengths: Excludes DALI Dimming Drivers
1065	650	2' fixture lengths: Excludes DALI Dimming Drivers
1070	700	2' fixture lengths: Excludes DALI Dimming Drivers

## MOD™ 4 LED Pendant Indirect/Direct

### Details

**Construction:**

Housing-extruded aluminum with extruded aluminum end headers.  
End caps- Die cast aluminum with magnetic interface. Overlaps diffuser at each fixture end to eliminate gaps/ LED visibility

**Downlight diffuser:**

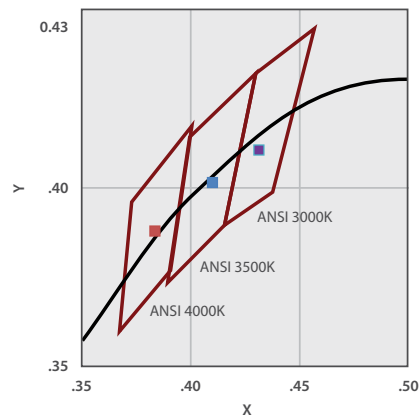
SOF-Soft diffuse acrylic lens. Ship installed.  
3', 4', 6', & 8' lengths available.

**Finish/Color:**

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

**CCT:**

30K-3000K output multiplier (.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 and labeled to specification. Indirect and direct hemispheres can be independently specified. Specify each in 50 lumen increments/ft within the below range:

	Lumens/ft	Nomenclature
Direct		
Min:	300	D030
Max:	1100	D110
Indirect		
Min:	300	D030
Max:	1200	D120

**Output Limitations:**

2' lengths must be ≥ 400 lumens/ft.  
DALI must be ≥ 750 lumens/ft.  
Lutron must be ≥ 550 lumens/ft.

**Driver:**

NDM: Non-dimming. Fixture will be wired for fixed light output.  
D10: 100%-10% dimming range. Fixture will be wired for low voltage 0-10V dimming control.  
D01: 100%-1% dimming range. Fixture will be wired for low voltage 0-10V dimming control. Consult factory.  
LEC: 100 %- 1% dimming range. Lutron Ecosystem compatible using Lutron A-Series driver.  
LHI: 100%-1% dimming range. Lutron Hi-Lume 3 wire dimming compatible using Lutron A-Series driver.  
LTW: Lutron 2-wire dimming compatible.  
DALI: DALI compatible.  
\*See driver limitations in Output section below.

**Field Accessibility:**

LED boards and drivers can be accessed and removed from fixture, while installed. LED boards can be replaced either individually or as part of 2' module.

**Circuiting:**

1C (1 Circuit) Fixture wired for a single circuit.  
2C (2 Circuit uplight/downlight) Uplight and downlight switched/ dimmed separately. Two power feeds required.  
AF (alternate fixture switching) Fixtures wired so every other fixture segment can be separately switched/dimmed.

**Suspension Kit:**

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

**Canopy covers:**

Non-feed-2" diameter (unless 5" non-feed cover is specified).

**Feed cord:**

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

**Nightlight:**

See separate LC-Nightlight spec sheet for additional details.

**Emergency:**

Inverter-Compatible. Provided by others.  
Integral-IOTA CP7

**Thru wiring:**

See separate LC-Thruwire spec sheet for additional details.

**Sensors:**

Release scheduled for 2Q16. Information to be available at that time.



## MOD™ 4 LED Pendant Indirect/Direct

### Details (continued)

**Dust cover:**

Clear acrylic lens with magnetic interface.

**System Connectors:**

Corners available 2Q 2016.

**Rated Life (LED Board):**

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

**Rated Life (Driver):**

Standard = 100,000 hours  
 Lutron = 50,000 hours

**Fixture weight:**

3 lbs/ft.

**Ratings:**

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

**Warranty:**

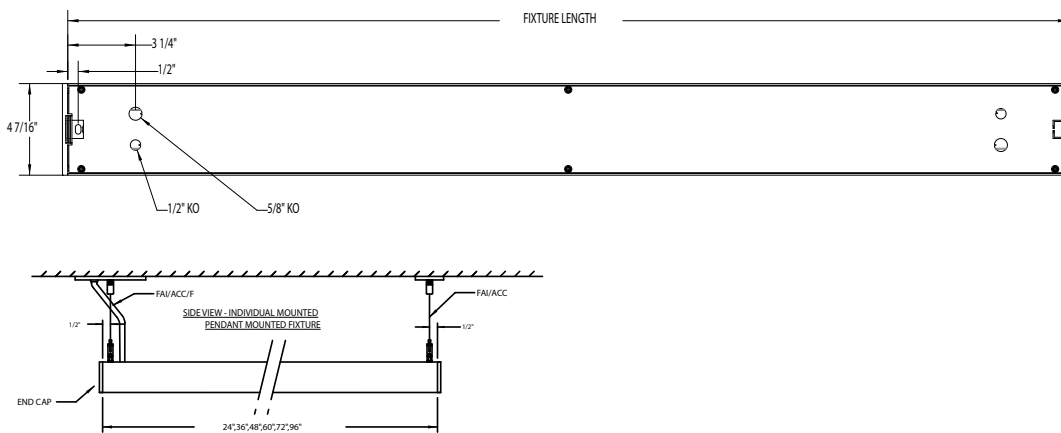
5 years. See [www.litecontrol.com](http://www.litecontrol.com) for details.

**Planning for installation :**

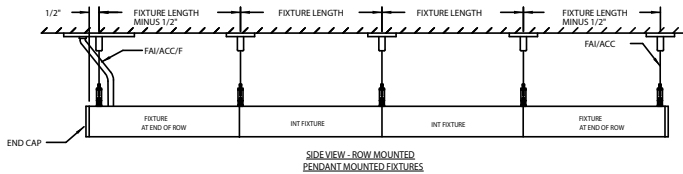
Suspension Mounting Locations

Pendant locations at ends of rows (or individual fixtures) are 3/8" from fixture ends. Pendant attachment allows for horizontal adjustment to "fine-tune" side-to-side leveling.

**Individual Mounting:**



**Row Mounting:**



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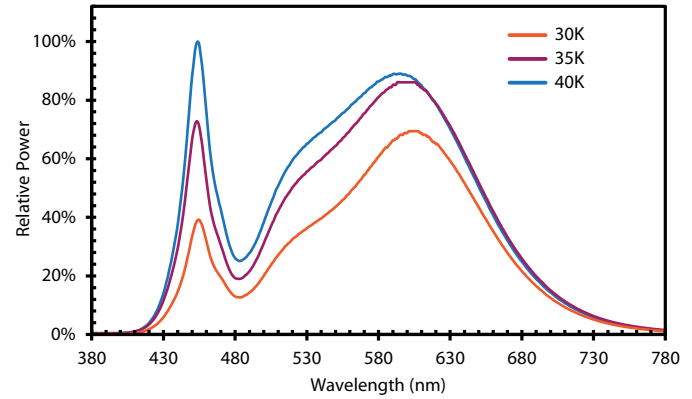
## MOD™ 4 LED Pendant Indirect/Direct

### Details (continued)

#### Color Characteristics:

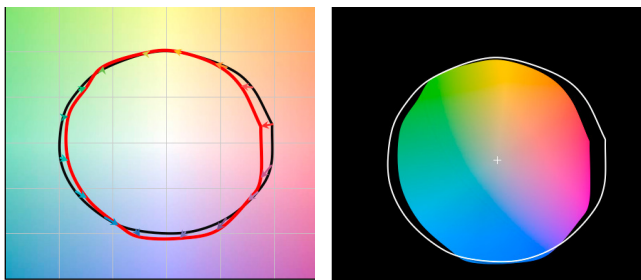
Value	Ordering Code		
	30K	35K	40K
Rf	83	82	82
Rg	96	96	96
CCT (K)	3009	3494	3975
Duv	-0.0009	-0.0004	-0.0003
x	0.435	0.4052	0.3814
y	0.4012	0.3898	0.3768
CIE Ra	83	83	84

#### Spectral Distribution:

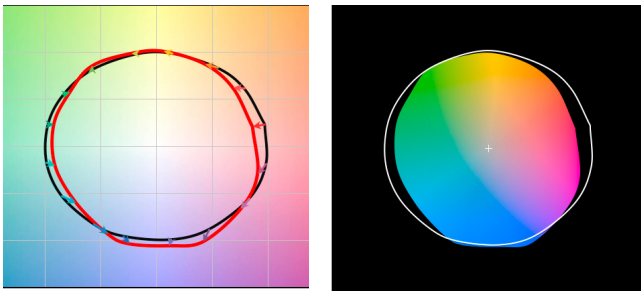


#### Color Vector Graphic:

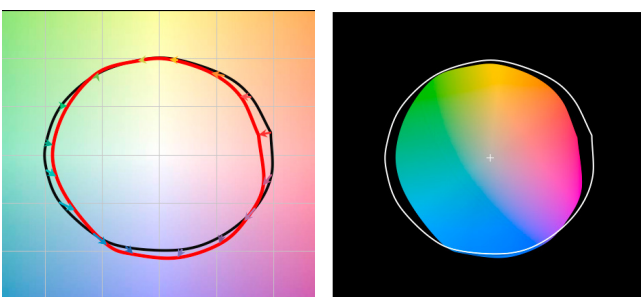
30K:



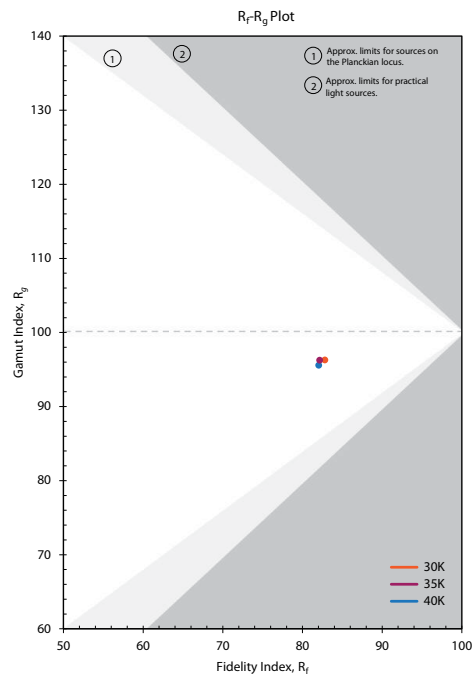
35K:



40K:



#### Color Gamut/Fidelity Plot



#### CRI:

80 minimum

CCT	CRI	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
30K	83	82	91	97	81	82	89	84	62	13	79	79	69	84	99
35K	83	81	89	95	81	81	85	86	65	13	73	79	62	83	97
40K	84	82	90	94	82	82	85	87	68	17	74	80	60	84	97

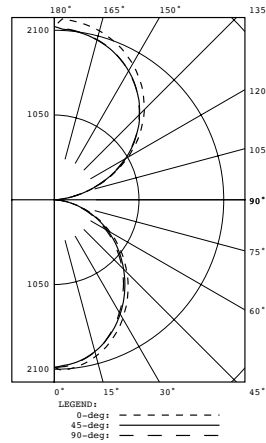
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**4L-P-ID**

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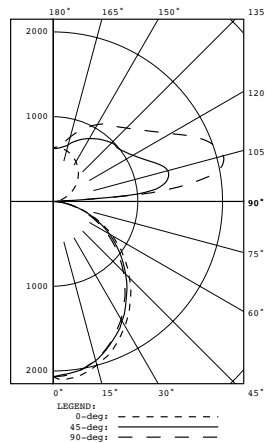
### Photometry

**Fixture:** 4L-P-ID-XX-XX-SOF-CX-35K-I100-D100  
**CCT:** 3500K  
**Output:** I100/D100  
**Nominal lumens:** 2000 lumens/ft  
**Efficacy:** 109 lm/W  
**Test report:** 4L-P-ID-STD-04-SOF-CX-35K-I100-D100.IES



Zonal Lumens		
Zone	Lumens	Lamp %
0-40	1885.8	23.6%
0-60	3214.6	40.2%
0-90	4000.1	50.0%
90-180	3998.6	50.0%
0-180	7998.7	100.0%

**Fixture:** 4L-P-ID-XX-XX-SOF-CX-35K-I100-D100  
**CCT:** 3500K  
**Output:** I100/D100  
**Nominal lumens:** 2000 lumens/ft  
**Efficacy:** 104 lm/W  
**Test report:** 4L-P-ID-LPA-04-SOF-CX-35K-I100-D100.IES



Zonal Lumens		
Zone	Lumens	Lamp %
0-40	1885.8	23.6%
0-60	3214.6	40.2%
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90-180	3999.9	50.0%
0-180	7999.9	100.0%