

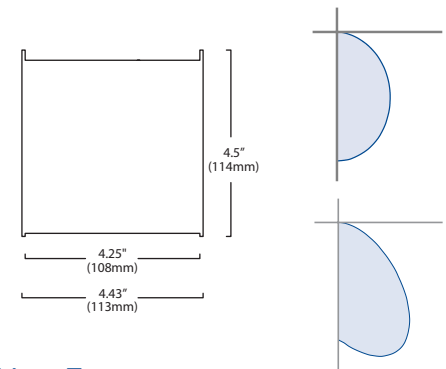
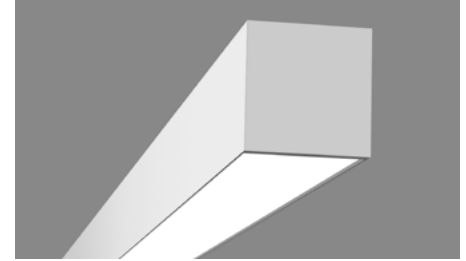
MOD™ 4 LED Pendant Direct

Fixture Type:

Project Name:

Ordering Guide

Feature	Code	Options	Description
Series		4L	MOD
Mounting		P	Pendant
Fixture distribution		D AD	Direct Asymmetric Direct
Row length (in feet)		----	Enter in foot increments. Note fixture lengths below.
Max length in row		02 03 04 05 06 08	2', 609mm 3', 914mm 4', 1219mm 5', 1524mm* 6', 1829mm 8', 2438mm *Not available for row mounting
Downlight diffuser		SOF REG BWO ASYM	Soft Diffuse Regressed Diffuse Lens* Blade Baffle with Overlay* Asymmetric Diffuse Lens**/** *Not Available with Patterns **Must be ordered with AD
Finish/Color		C1 C2 C3 C4 C5 C6 CC	Matte White (Default) Textured Matte White Light Silver Machined Aluminum Carbon Black Textured Camera Black Custom Color
Color temperature		30K 35K 40K 2230TD 2750T 2765T	3000K 3500K 4000K 2200K-3000K SpectraSync™ Dim-to-Warm* 2700K-5000K SpectraSync™ Tunable White* 2700K-6500K SpectraSync™ Tunable White* *Must be ordered with D05 Driver option; excludes 2' and 3' lengths
Direct output/ft <i>(specifiable in 50 lumens/ft increments)</i>		D030 D110	300 1100
Driver		NDM D10 D01 D05 LEC LHI LTW DALI	Non Dimming 10% Dimming, 0-10V 1% Dimming, 1-10V* 5% Dimming, 0-10V Lutron Ecosystem Dimming Lutron Hi-Lume 3-Wire Dimming Lutron Hi-Lume 2-Wire Dimming DALI *Contact Factory
Circuiting		1C	1 Circuit
Voltage		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



Key Features

- Variable Intensity technology provides specifiable lumen output/wattage.
- End cap design eliminated visible diffuser seams/gaps
- 2 SDCM color variation

Performance

Nomenclature	Lumens/ft	W/ft	Efficacy
D030	300	2.9	104
D035	350	3.4	104
D040	400	3.8	104
D045	450	4.3	104
D050	500	4.8	104
D055	550	5.3	103
D060	600	5.8	103
D065	650	6.4	102
D070	700	6.9	102
D075	750	7.4	101
D080	800	7.9	101
D085	850	8.5	100
D090	900	9.0	100
D095	950	9.6	99
D100	1000	10.2	99
D105	1050	10.7	98
D110	1100	11.3	97

(wattage may vary up to 5% from published)



Quick Find litecontrol.com

4L-P-D

MOD™ 4 LED Pendant Direct

Ordering Guide (continued)

Suspension kit		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; Stems (where applicable), canopies, and feed cord are supplied in white regardless of fixture color unless otherwise specified
Optional Features	Code	Options	Description
Nightlight		_NL	Nightlight Circuit Required. Enter quantity. 2NL = 2 nightlight circuits/row
Emergency		ICP7	Emergency Battery. Integral-Iota CP-07. Enter quantity. Example: 2ICP7 = 2 Emergency batteries/row. *Not available for 2' or 3'
Thru-wiring		W1 W2 W3	No Thru Wire Provide Normal and Emergency Thru Wiring* Provide Normal Thru Wiring Only *Only applicable when specified with emergency
Patterns		PTRN	Contact Factory for pattern configurations. Approval drawings required. See page 4.
Sensors		SD1 SO1	Daylight Sensor Required. Enter quantity. 2SD1=2 daylight sensors/row Occupancy Sensor Required. Enter quantity. 2SO1=2 occupancy sensors/row
T-Bar Clips		CB1 CB2 CB3	T-bar clip - 15/16" T-bar clip - 9/16" T-bar clip - 9/16" SS *To be ordered with Luminaire Canopy Box, see page 3 for details

Output Exceptions:

Value	Direct Output- Total lm/ft	Direct Drivers
D030	300	2' fixture lengths: Excludes LEC, LHI, LTW, D01, DALI Dimming Drivers, and 347V 3' fixture lengths: Excludes DALI Dimming Drivers, D01, and 347V 4' fixture lengths: Excludes D01
D035	350	2' fixture lengths: Excludes LEC, LHI, LTW, D01, DALI Dimming Drivers, and 347V 3' fixture lengths: Excludes D01, DALI Dimming Drivers, and 347V
D040	400	2' fixture lengths: Excludes LEC, LHI, LTW, D01, DALI Dimming Drivers, and 347V 3' fixture lengths: Excludes D01
D045	450	2' fixture lengths: Excludes DALI Dimming Drivers, D01, and 347V 3' fixture lengths: Excludes D01
D050	500	2' fixture lengths: Excludes D01, DALI Dimming Drivers, and 347V
D055	550	2' fixture lengths: Excludes D01, DALI Dimming Drivers, and 347V
D060	600	2' fixture lengths: Excludes D01
D065	650	2' fixture lengths: Excludes D01

 **Quick Find** litecontrol.com

4L-P-D

MOD™ 4 LED Pendant 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:

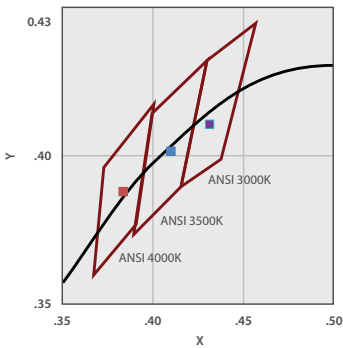
SOF- Soft diffuse acrylic lens.
REG- Regressed softglo lens with painted steel inserts. Output multiplier (.77")
BWO-White blade baffle with softglo lens overlay. Output multiplier (.70")
3', 4', 6', & 8' lengths available.
ASYM- Highly transmissive diffuse acrylic lens with linear patterns

Finish/Color:

Visit 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. Specify each in 50 lumen increments/ft with the below range:

	Lumens/ft	Nomenclature
Min:	300	D030
Max:	1100	D110

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. Contact factory.
D05: Osram 5% Dimming, 0-10V. Only option if either 2230TD, 2750T or 2765T is selected.
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.
LTW: Lutron Hi-Lume 2-Wire dimming using Lutron A-Series driver.
DALI: DALI compatible.

*See driver limitations in Output section above.

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 2' module.

Circuiting:

1C (1 Circuit) Fixture wired for a single circuit.

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-5" diameter.

Feed cord:

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
See separate LC-Emergency spec sheet for additional details.

Thru wiring:

See separate LC-Thruwire spec sheet for additional details.

Sensors:

Daylight sensor(Wattstopper part #FD301). Installs between diffusers.
Occupancy sensor(Wattstopper FS-305 with FS-L6 lens). Installs between diffusers.
See separate LC-Controls spec sheet for additional details.

Luminaire Canopy Box:

See separate [LC instructions](#) for additional details
*For use with Grid Ceilings only

T-Bar Clips:

See separate [LC instructions](#) for additional details
*For use with Grid Ceilings only

SpectraSync™ Color Tuning Technology:

Control your space based on the needs of the application, specific activities throughout the day and preferences of the occupants with two distinct SpectraSync™ Color Tuning Technology.

Dim to Warm: Dim to Warm mimics the familiar warming effect that occurs with traditional incandescent sources as they are dimmed. (Available with 2200K-3000K).

Tunable White: Tunable White offers users the ability to tailor CCT to their personal preference, enhancing task visibility, material and colors or the aesthetics of the space. (Available with 2700K-5000K or 2700K-6500K).

See separate [SpectraSync™ Tech Sheet](#) for additional details.
See separate [NX™ Solutions Guide](#) for additional details.



MOD™ 4 LED Pendant Direct

Details (continued)

System Connectors:

90° corners available. One piece construction, ready to install, with diffusers that match adjoining fixtures. Corner system connectors must be used to form patterns. The length of each outside or inside lighted 90° corners is 12".

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:

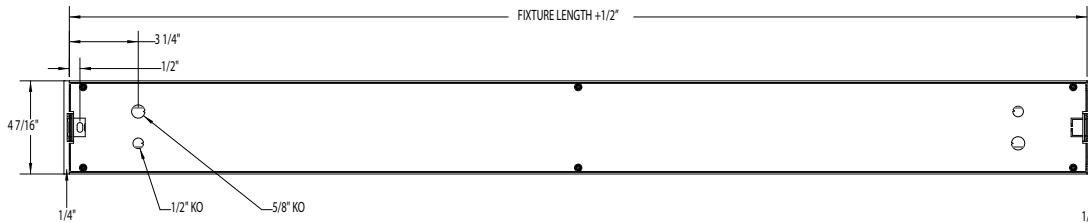
5 years. See www.litecontrol.com for details.

Planning for installation :

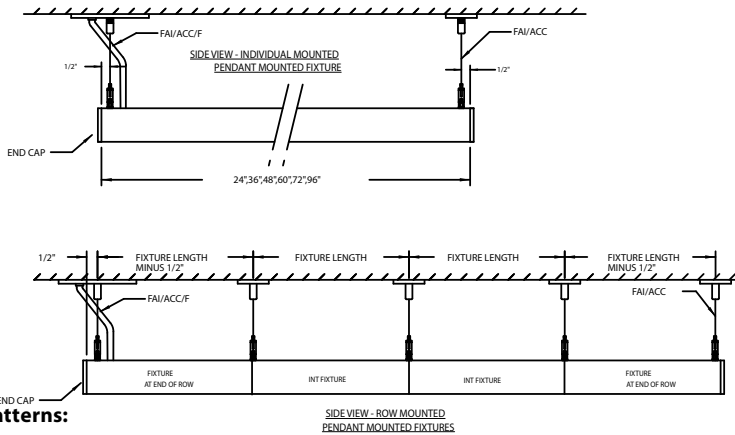
Suspension Mounting Locations

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.

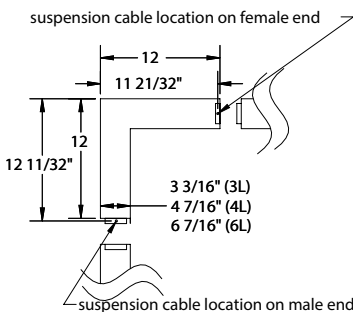
Individual Mounting:



Row Mounting:



Patterns:



Quick Find litecontrol.com **4L-P-D**

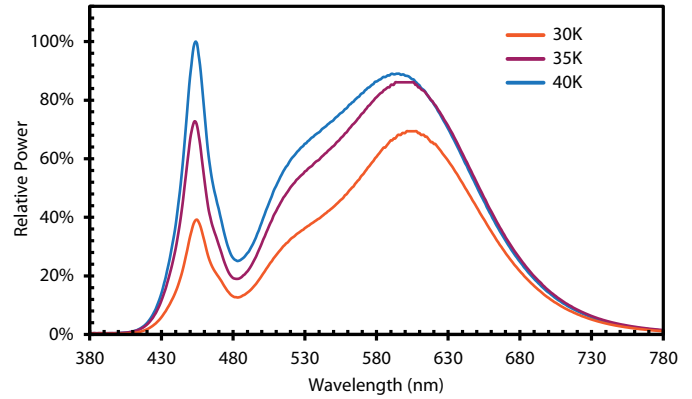
MOD™ 4 LED Pendant Direct

Details (continued)

Color Characteristics:

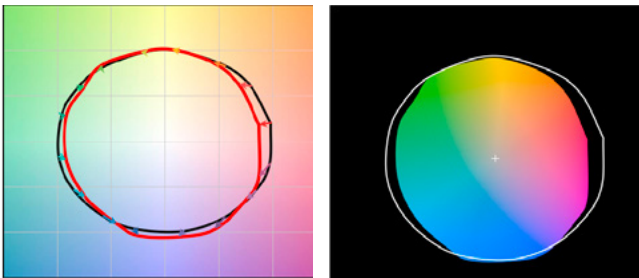
Value	Ordering Code		
	30K	35K	40K
Rf	83	82	82
Rg	96	96	96
CCT (K)	3009	3494	3975
Duv	-0.0009	-0.0004	-0.0003
x	0.435	0.4052	0.3814
y	0.4012	0.3898	0.3768
CIE Ra	83	83	84

Spectral Distribution:

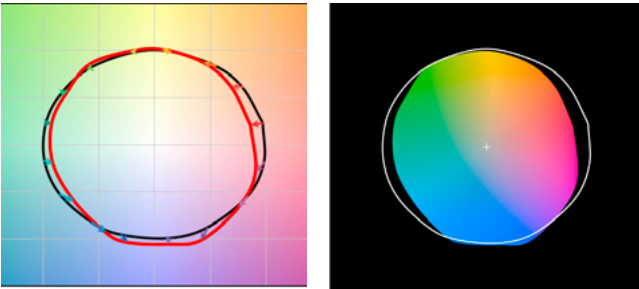


Color Vector Graphic:

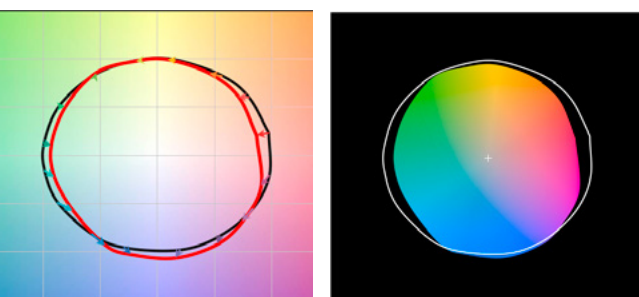
30K:



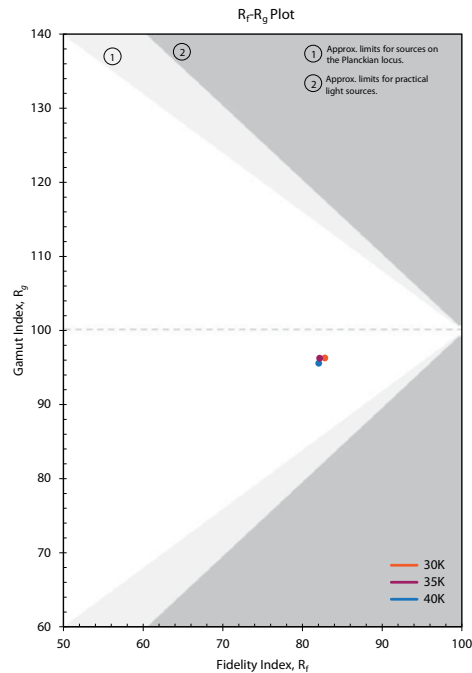
35K:



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

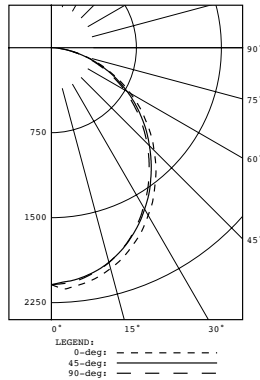
Quick Find litecontrol.com

4L-P-D

MOD™ 4 LED Pendant Direct

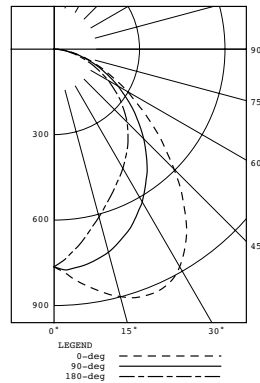
Photometry

Fixture: 4L-P-D-XX-XX-SOF-CX-35K-D100
CCT: 3500K
Output: D100
Nominal lumens: 1000 lumens/ft
Efficacy: 98 lm/W
Test report: 4L-P-D-04-SOF-X-CX-35K-D100.IES



Zonal Lumens		
Zone	Lumens	Lamp %
0-40	1885.8	47.1%
0-60	3214.6	80.4%
0-90	4000.1	100.0%
90-180	0.0	0.0%
0-180	4000.1	100.0%

Fixture: 4L-R-AD-XX-XX-ASYM-CX-35K-D050
CCT: 3500K
Output: D050
Nominal lumens: 500 lumens/ft
Efficacy: 107.8 lm/W
Test report: 4L-R-AD-XX-XX-ASYM-CX-35K-D050.IES



Zonal Lumens		
Zone	Lumens	Lamp %
0-40	982	48.7%
0-60	1658	82.3%
0-90	2016	100.0%
90-180	0	0.0%
0-180	2016	100.0%