

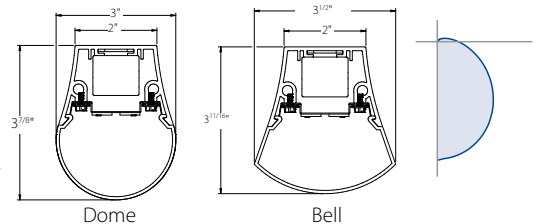
## Note LED Pendant Direct

Fixture Type:

Project Name:

### Ordering Guide

Feature	Code	Options	Description
<b>Series</b>		67L	Note
<b>Mounting</b>		P	Pendant
<b>Fixture Distribution</b>		D	Direct
<b>Row Length (in feet)</b>		----	Enter in foot increments. Note fixture lengths below
<b>Max length in row</b>		02 03 04 06 08	2', 610mm 3', 914mm 4' 1219mm 6', 1829mm 8', 2438mm
<b>Lens Type</b>		DM BL	Dome Bell
<b>Finish/Color</b>		C1 C2 C3 C4 C5 C6 CC	Matte White (Default) Textured, Matte White Light Silver Machined Aluminum Carbon Black Textured, Camera Black Custom Color
<b>Color temperature</b>		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; excludes D160-D180 Driver options
<b>Output/ft</b> <i>(specifiable in 50 lumens/ft increments)</i>		D055 D180	550 (min) 1800 (max)
<b>Driver</b>		NDM D10 D01 D05 LEC LHI LTW	Non Dimming 10% Dimming, 0-10V 1% Dimming, 0-10V 5% Dimming, 0-10V Hi-Lume 1% EcoSystem LED driver Hi-lume 1% 3-wire LED driver Hi-lume 1% 2-wire LED driver (120 forward only)
<b>Circuiting</b>		1C	1 Circuit
<b>Voltage</b>		UNV 120 240 277 347	Universal Voltage 120 Volt 240 Volt 277 Volt 347 Volt (D01 and NDM only)* *Exclusions; Lutron, Emergency battery and sensors. Consult factory for output availability.
<b>Suspension kit</b>		FA1 FA2 FA3 FA4	Suspension Kit, 51" Suspension Kit, 87" Suspension Kit, 219" Suspension Kit, 363"



### Key Features

- Variable Intensity technology provides specifiable lumen output/wattage
- Up to 127 lumens/watt efficacy
- Output range from 550 to 1800 lumens/ft
- 2 SDCM color variation
- Removable Lens for ease of accessibility and installation
- DesignLights Consortium (DLC) qualified, see [www.designlights.org](http://www.designlights.org) for specific product offerings

### Performance

Nomenclature	Lumens/ft	W/ft	Efficacy
D055	550	4.5	121
D100	1000	9.4	107
D145	1450	11.4	127
D180	1800	16.0	113

\*Based on Dome Lens 35K



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**67L-P-D**

## Note LED Pendant Direct

### 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>		BLP1	Bodine BSL310LP. Indicate how many in the row. Example: 2BLP1= 2 Emergency batteries/row *Excludes 2' and 3' lengths; excludes D160-D180 Driver options
<b>Thru-wiring</b>		W1 W2 W3	No Thru Wire Provide Normal and Emergency Thru Wiring* Provide Normal Thru Wiring Only *Only applicable when specified with Emergency
<b>Sensors</b>		SD1 SO1	Daylight Sensor Required. Enter quantity 2SD1= 2 daylight sensors/row Occupancy Sensor Required. Enter quantity 2SO1= 2 occupancy sensors/row
<b>T-Bar Clips</b>		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	Exclusions
D055	550	2' fixture length: excludes D01 drivers and 347V drivers
D060	600	2' fixture length: excludes D01 drivers and 347V drivers
D065	650	2' fixture length: excluded D01 drivers
D070	700	2' fixture length: excluded D01 drivers
D075	750	2' fixture length: excluded D01 drivers
D080	800	2' fixture length: excluded D01 drivers

## Note LED Pendant Direct

### Details

**Construction:**

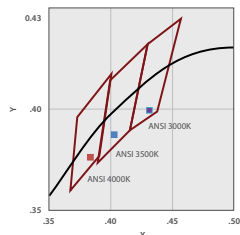
Housing- extruded aluminum.  
End caps- die cast aluminum.  
Lens- acrylic

**Finish:**

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

**CCT:**

30K-3000K output multiplier 0.96  
35K-3500K output multiplier 1.0  
40K-4000K output multiplier 1.03



**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 within the below range:

	Lumens/ft	Nomenclature
Direct		
Min:	550	D055
Max:	1800	D180

**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.
- D05: Osram 5% Dimming, 0-10V. Only option if either 2230TD, 2750T or 2765T is selected.
- LEC: 100%-1% dimming range, 120/277V. Lutron EcoSystem digital control compatible using Hi-lume 1% EcoSystem (L3D series) LED driver. Note that L3D series driver has dual control inputs. \*
- LHI: 100%-1% dimming range. 120/277V. Lutron 3-wire phase control dimmer compatible using Hi-lume 1% 3-wire (L3D series) LED driver. Note that L3D series driver has dual control inputs. \*
- LTW: 100%-1% dimming range. Lutron 2-wire 120V forward phase control dimmer compatible using Hi-lume 1% 2-wire (LTE series) LED driver.\*

\*See driver limitations in Output section.

**Circuiting:**

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

**Suspension kit:**

3/64" diameter field-adjustable aircraft cables. Suspension required at every row joint. 1/4"-20 double nut for fixture suspension and top alignment. Suspension kit ships separately.

**Thru wiring:**

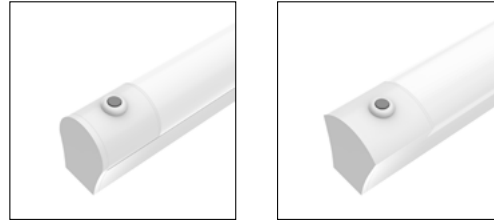
See separate LC-Thru wire spec sheet for additional details.

**Row joining:**

Each row joining uses #8-32 machine screws/nuts for pulling the fixture flush at the end header location. A 1/4"-20 machine screw and double nut is also used for top alignment to ensure tight, consistent seams.

**Sensors:**

Daylight sensor (Wattstopper part #FD301). Installs on integrated sleeve.  
Occupancy sensor (Wattstopper part #FS205). Installs on integrated sleeve.  
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.

**Feed cord:**

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

**Field Accessibility:**

Lens, LED Boards, and drivers can be accessed and removed from installed fixture. LED Boards can be replaced either individually or as part of a module.

**Fixture weight:**

2 lbs/ft.

**Ratings:**

CSA listed for damp locations.

**Warranty:**

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

**Rated Life:**

Test in accordance to the LM79-2008 and derived from EPA TM-21 calculator  
L70: 257,000 (calculated per TM-21 extrapolated curve)  
L70: >61,000 (reported per TM-21/LM80 6x's limitation)  
L90: 66,000 (calculated per TM-21 extrapolated curve)  
L90: >61,000 (reported per TM-21/LM80 6x's limitation)

**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.

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**67L-P-D**

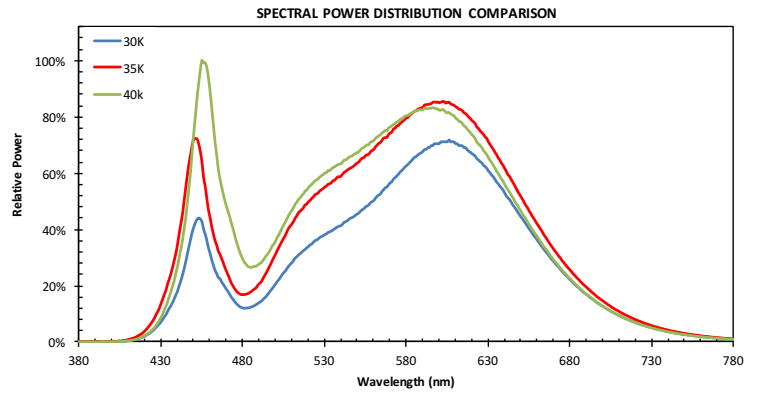
## Note LED Pendant Direct

### Details (continued)

#### Color Characteristics:

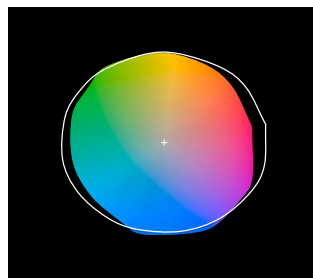
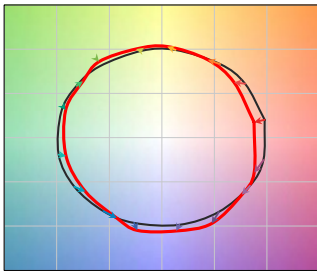
Value	Ordering Code		
	30K	35K	40K
Rf	82	82	82
Rg	98	98	94
CCT (K)	3055	3479	4015
Duv	-0.0018	-0.0009	-0.0007
x	0.4306	0.4055	0.3793
y	0.3974	0.3888	0.3746
CIE Ra	83	83	85

#### Spectral Distribution:

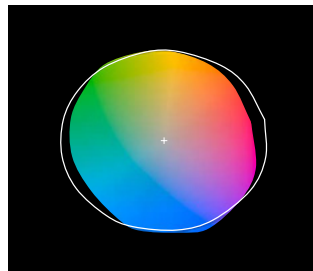
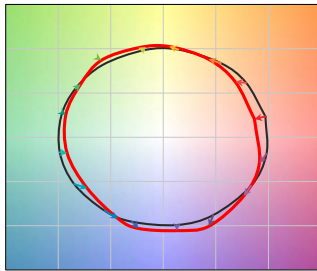


#### Color Vector Graphic:

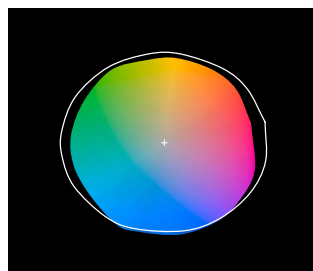
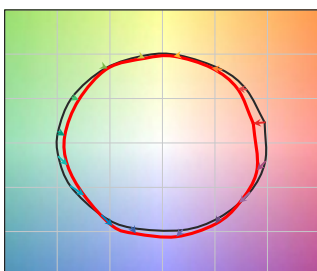
30K:



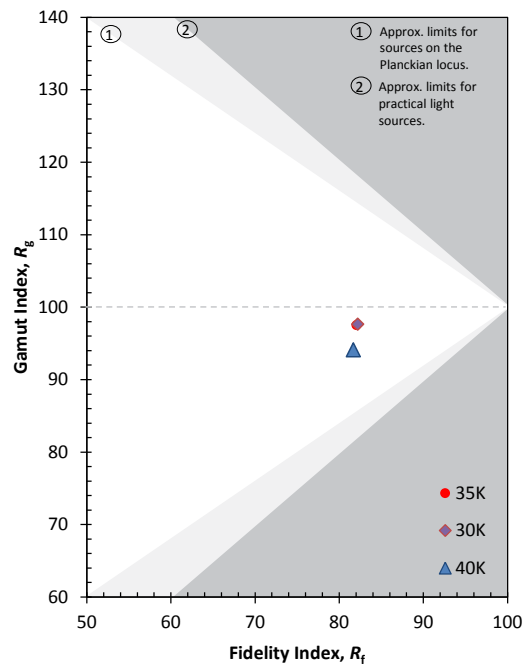
35K:



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	96	81	82	88	84	62	14	77	80	68	84	98
35K	83	82	89	94	82	82	85	86	66	16	73	81	64	83	96
40K	85	84	92	96	81	83	87	86	68	19	79	80	60	86	98

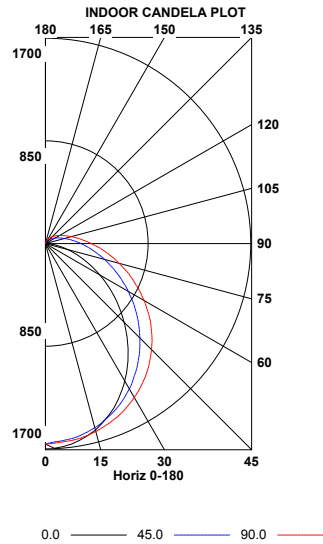
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**67L-P-D**

## Note LED Pendant Direct

### Photometry

**Fixture:** 67L-P-D-4-4-DM-C1-35K-D145  
**CCT:** 3500K  
**Output:** D145  
**Nominal lumens:** 1450 lumens/ft  
**Efficacy:** 128 lm/W  
**Test report:** 67L-P-D-4-4-DM-C1-35K-D145.IES



Zonal Lumens		
Zone	Lumens	Lamp %
0-40	2096	36.1%
0-60	3724	64.2%
0-90	5205	89.7%
90-180	597	10.3%
0-180	5802	100.0%