LITECONTROL
making light work™

Nelo+ 75L
OPEN APERTURE PENDANT DIRECT

FEATURES

- Variable Intensity technology provides a range of specifiable outputs and resulting fixture wattages

- 1500 lumens max. See performance data table on page 4 for additional information

- 80 & 90 CRI (30, 35, 40K); Warm Dim (30–22K), Tunable White (27–65K & 27–50K)

CONTROL TECHNOLOGY

NX CONNECT   NX WIRED   NX WIRELESS   SpectraSync™ Color Tuning Technology

Cross Section Open End Cap   **Cross Section Closed End Cap**

	Weight
75L-P-D	5 lbs/ft

SPECIFICATIONS

CONSTRUCTION
- 4" x 4" nominal profile with 2.8" aperture.

- Extruded aluminum housing with machined aluminum end headers

- Die-cast aluminum end caps mechanically attached with no exposed fasteners. Open (ECO) and solid (ECC) designs available.

- Patent pending ConJoin™ row mounting system

OPTICS
- 3 SDCM CCT consistency, 80 or 90 CRI. Tunable White and Dim to Warm options available.

- 98% High reflectance laminated reflector for soft, continuous illumination. UV stable, UL 94 V rated.

- Additional reflector seam cover blends appearance for unbroken illumination in row mount configurations.

ELECTRICAL
- Variable Intensity (VI) technology allows precise specification of fixture output/wattage. Fixture will be programmed and labeled to specification.

- LED boards and solid state constant current driver are field-serviceable from below through housing aperture.

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

- Emergency Battery: 10W battery powered driver. Provides a minimum of 90 minutes of emergency lighting. Inverter-Compatible. Provided by others. Available in 4'+' fixtures, LH/RH options available for 8' fixtures.

INSTALLATION
- Suspension required at every row joint. 3/64" diameter field adjustable cables, ship separately.

- Low profile cable gripper limits visibility.

- Pendant location at ends of rows (or individual fixtures) are ⅓" from fixture ends.

- Pendant attachment allows for horizontal adjustment to "fine-tune" leveling

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

CONTROLS
- Sensors install at end of individual fixtures. For rows or additional information, contact factory.

- NX Lighting Controls provides options for standalone and networked integrated sensor with wired or wireless connectivity for NX system deployments

- SpectraSync™ Color Tuning Technology: Control your space based on the needs of the application, specific activities throughout the day and preferences of the occupants
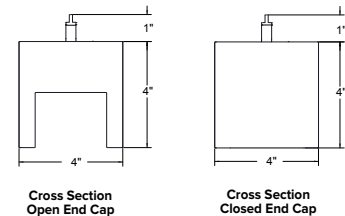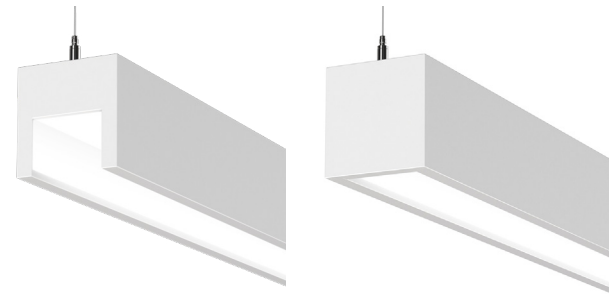
CERTIFICATIONS
- CSA listed for damp locations

- UL924

- IBEW

- AF of L

- This product meets federal procurement law requirements under the Buy American Act (FAR 52.225-9) and Trade Agreements Act (FAR 52.225-11). See Buy America(n) Solutions.

- Emergency Battery Backup options are California Energy Commission (CEC) Title 20 Compliant.

WARRANTY
- LED boards - 5 years

- LED drivers (standard) - 5 years

- LED drivers (Lutron) - 3 years

KEY DATA	
Lumen Range	300–1500
SDCM	3
Rated Life	L85 > 50,000 Hours
Efficacy	108-120 LPW

Current ⊙

LC_NELO_75L-P-D_spec_R03

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ORDERING GUIDE

Example: 75L-P-D-16-08-C1-35K-D060-D01-1C-UNV-ECO-FA1

CATALOG #

Series	Mounting	Distribution	Row Length (In Feet)	Max Length in Row	Finish/Color [1]	CCT/CRI [2]	
75L Nelo+	**P** Pendant	**D** Direct	___' Enter in foot increments	**02** 2', 609mm	**C1** Matte White (Default)	**30K** 3000K, 80CRI	
				03 3', 914mm	**C2** Textured Matte White	**30K9** 3000K, 90CRI	
				04 4', 1219mm	**C3** Light Silver	**35K** 3500K, 80CRI	
				05 5', 1524mm	**C4** Machined Aluminum	**35K9** 3500K, 90CRI	
				06 6', 1829mm	**C5** Carbon Black	**40K** 4000K, 80CRI	
				08 8', 2438mm	**C6** Textured Camera Black	**40K9** 4000K, 90CRI	
					CC Custom Color	**2230TD** 2200K–3000K SpectraSync™ Dim-to-Warm	
						2750T 2700K–5000K SpectraSync™ Tunable White	
						2765T 2700K–6500K SpectraSync™ Tunable White	

Direct Output/ft	Driver	Circuiting	Voltage	End Cap	Suspension Kit [5]	Nightlight [6]
D030 300 (Min) to **D150** 1500 (Max)	**D01** 1% Dimming, 0–10V	**1C** 1 Circuit	**UNV** 120–277V	**ECO** Open Style	**FA1** Suspension Kit, 51"	**NL** Nightlight Circuit Required. Enter quantity.
	D05 5% Dimming, 0–10V [3]		**347** 347V [4]	**ECC** Closed Style	**FA2** Suspension Kit, 87"	
	LEC Hi-Lume 1% EcoSystem				**FA3** Suspension Kit, 219"	
	NDM Non-Dimming				**FA4** Suspension Kit, 363"	

Emergency [7]

EF 10W Emergency Battery Backup. Enter quantity. (CEC Title 20 Compliant)

Thru-Wiring

W1 No Thru-Wire

W2 Provide Normal and NL/EF Thru-Wiring

W3 Provide Normal Thru-Wiring Only

T-Bar Clips [8]

CB1 T-bar clip - 15⁄16"

CB2 T-bar clip - 9⁄16"

CB3 T-bar clip - 9⁄16" SS

Control Options [4]

NX Networked – Wired

NXE	NX Wired Dual RJ45 SmartPORTS, without Sensor [9,10]
NXERM	NX Wired Dual RJ45 SmartPORTS and Integral NXSMP2-LMI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth® Programming [9,10]

NX Networked – Wireless

NXW	NX Networked Wireless Radio Module NXRM2 and Bluetooth® Programming, without Sensor [9,10]
NXWRM	NX Networked Wireless Enabled Integral NXSMP2-LMI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth® Programming [9,10]

Sensors

BTSL	Bluetooth® Programmable, BTSMP-LMI PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens [9]

Notes:

1. Visit currentlighting.com/litecontrol for details.
2. SpectraSync must be ordered with D05 driver option
3. Must be ordered with SpectraSync options
4. Additional lead time may be applicable. Contact factory.
5. Add suffix /V to replace all 2" non-feed canopy covers with 5" canopy covers. FA1/V = 51" suspension kit w/ 5" canopies; canopies and feed cord are supplied in white regardless of fixture color unless otherwise specified.
6. 2NL = 2 nightlight circuits/row. Available in 4'+ fixtures.
7. 2EF = 2 Emergency batteries/row. See Details for restrictions. Provides a minimum of 90 minutes of emergency lighting. Inverter-Compatible. Provided by others. Available in 4'+ fixtures; 8' available LH/RH.
8. Includes Luminaire Canopy Box.
9. Not available for row mounting. Only available with 0-10V Driver options. Contact factory for Length restrictions.
10. Refer to NX Integrated Controls Reference Table for Functionality of Options.

Nelo+ 75L
OPEN APERTURE PENDANT DIRECT

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

CONTROLS OPTIONS AND FUNCTIONALITY

NX LIGHTING CONTROLS™

	Control Option Ordering Logic & Description		Control Option Functionality										Control Option Components
			Sensor	Networkable	Grouping	Scheduling	Occupancy/ Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth® App Programming	Sensor Height	
NX Wired	NXE	NX Wired Dual RJ45 SmartPORTS, without Sensor	N/A	✓	✓	✓	–	–	✓	✓	Requires NXBTC dongle 1	–	NXDSP
NX Wired	NXERM	NX Wired Dual RJ45 SmartPORTS and Integral NXSMP2-LMI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth® Programming	NXSMP2-LMI	✓	✓	✓	✓	✓	✓	✓	✓	Max: 12'	NXSMP2-LMI NXDSP
NX Wireless	NXWRM	NX Networked Wireless Enabled Integral NXSMP2-LMI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth® Programming	NXSMP2-LMI	✓	✓	✓	✓	✓	✓	✓	✓	Max: 12'	NXSMP2-LMI
NX Wireless	NXW	NX Networked Wireless Radio Module NXRM2 and Bluetooth® Programming, without Sensor	N/A	✓	✓	✓	–	–	✓	✓	✓	–	NXRM2-H

1   NXBTC needs to be plugged into an available NX SmartPort™ on the fixture network

CONTROLS TECHNICAL SUPPORT

1-800-888-8006 (7:00 am–7:00 pm est)

APP INFORMATION

NX Lighting Controls App

The NX Lighting Controls App is a free to use mobile application for programming both an NX Lighting Controls System or Standalone Bluetooth Sensors. The mobile app allows you to configure devices, discover and setup wireless enabled luminaires and program your NX system settings.

Android   Apple iOS

NX Connect App

The NX Connect mobile App is a free to use mobile application for programming a NX Connect System. The mobile App allows you to discover, configure and share your NX Connect system.

Apple iOS

Current ⊙

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Rev 10/25/23

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LC_NELO_75L-P-D_spec_R03

DATE: | LOCATION:

TYPE: | PROJECT:

CATALOG #:

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CONTROLS OPTIONS AND FUNCTIONALITY (CONTINUED)
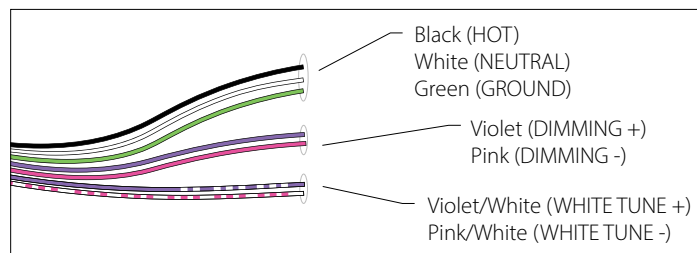
SPECTRASYNC™ COLOR TUNING TECHNOLOGY:

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

SpectraSync
Color Tuning Technology

SPECTRASYNC Color tuning technology		
Mode	**Kelvin Range**	**Description**
Dim to Warm	2200K–3000K	Mimics the familiar warning effect that occurs with traditional incandescent sources as they are dimmed
Tunable White	2700K–5000K 2700K–6500K	Offers users the ability to tailor CCT to their personal preference, enhancing task visibility, material and colors or the aesthetics of the space
Scheduled White	2700K-5000K 2700K-6500K	Mimics the rhythm of natural light or follows an alternative user-defined schedule throughout the day enhancing an occupant's mood and well-being

SPECTRASYNC TUNABLE WHITE

Available in two options: 2750T (2700K–5000K) or 2765T (2700K–6500K). Requires two 0–10V controllers, one for intensity and one for CCT. Minimum 5% dimming.

Black (HOT)
White (NEUTRAL)
Green (GROUND)

Violet (DIMMING +)
Pink (DIMMING -)

Violet/White (WHITE TUNE +)
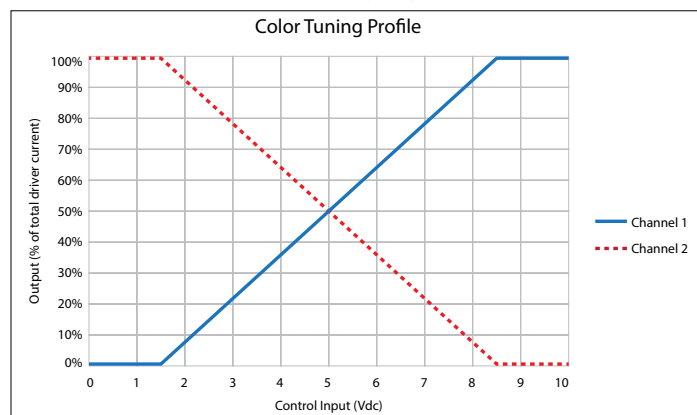Pink/White (WHITE TUNE -)

SpectraSync Tunable White luminaires are provided with two 0–10V circuits. The violet and pink circuit is for wiring to any qualified 0–10V controller for dimming. The violet/white and pink/white circuit is for wiring to any qualified 0–10V controller for Tunable White CCT control.

CONTROLLER MANUFACTURER DATA

SpectraSync Tunable White was designed to be used with sinking style dimmers (provided by others) and is compatible with:

- Current: NX Lighting Controls Room Controllers (NXRC) and In-fixture Controllers (NXFM)
- Lutron: DVTV, DVSTV, and NFTV dimmers
- Wattstopper: ADF120277 and CD4BL (Titan) dimmers

Color Tuning Profile

Output (% of total driver current) vs Control Input (Vdc)

— Channel 1
- - - Channel 2

To enable scheduling and for use with NX wall control preset stations please refer to SpectraSync technical sheet.

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PERFORMANCE DATA TABLE

The table below shows the delivered lumens for the various lumen outputs. Use this chart in connection with the output multiplier capability to deliver any output required.

Nomenclature	Lumens/Ft	W/Ft	Efficacy
D030 (min)	300	2.8	108
D035	350	3.2	110
D040	400	3.5	115
D045	450	3.9	116
D050	500	4.2	118
D055	550	4.7	117
D060	600	5.1	118
D065	650	5.5	118
D070	700	5.8	120
D075	750	6.3	118
D080	800	6.7	119
D085	850	7.2	117
D090	900	7.8	116
D095	950	8.3	115
D100	1000	8.7	115
D105	1050	9.1	116
D110	1100	9.6	115
D115	1150	10.1	114
D120	1200	10.5	114
D125	1250	11.0	114
D130	1300	11.5	113
D135	1350	12.0	112
D140	1400	12.5	112
D145	1450	13.0	112
D150 (max)	1500	13.6	111

OUTPUT RESTRICTIONS

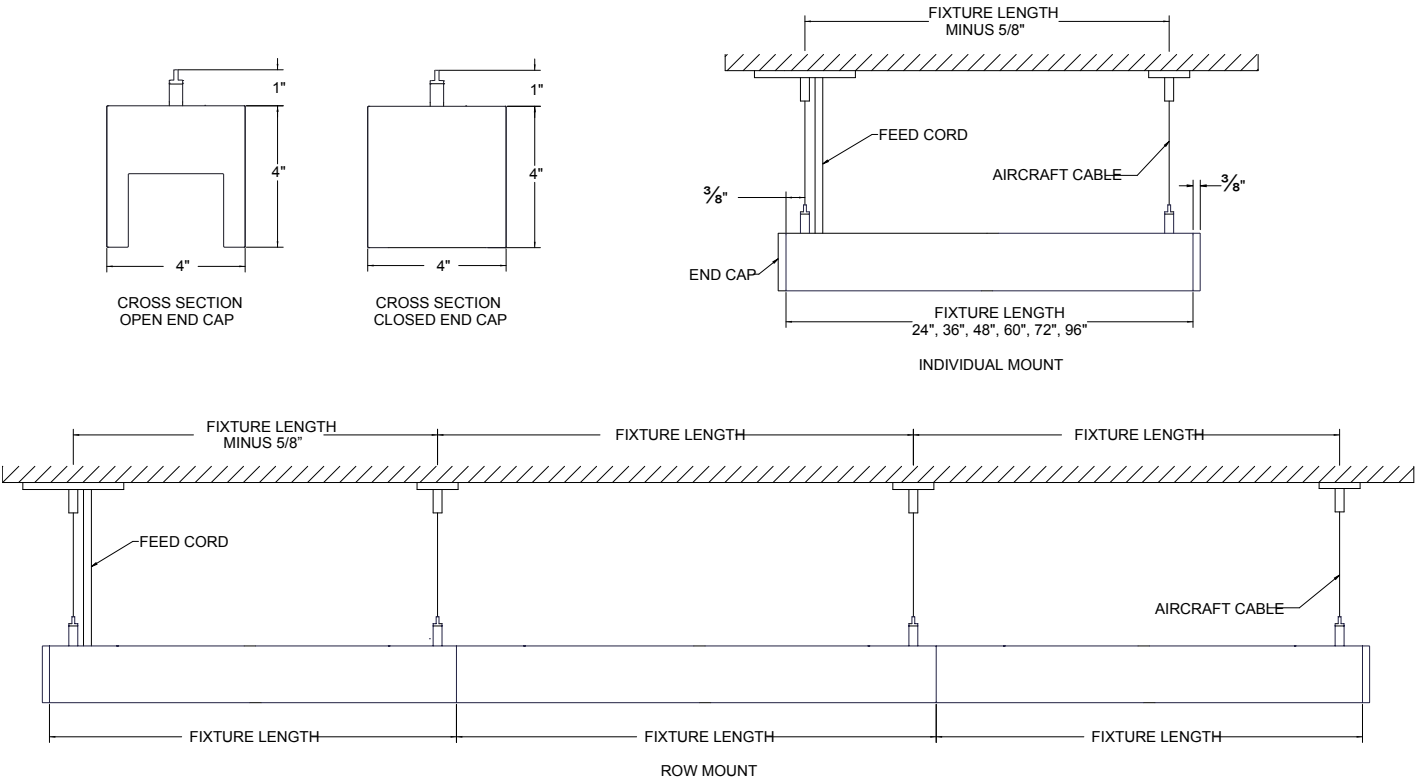Options listed below are not available for the output and length as shown.

LENGTH	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
75L (Direct)																									
2'												EF/NL not available													
3'																									
4'																									
5'																									
6'																									
8'																									

OUTPUT MULTIPLIER TABLE

Photometry for the 75L is published at 3500K color temperature, 80 CRI. This table may be used to approximate lumen values at other color temperatures and color rendering. Power consumption would stay the same.

CCT	80 CRI	90 CRI
3000K	0.98	0.85
3500K	1	0.88
4000K	1.03	0.9

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

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DIMENSIONS

CROSS SECTION
OPEN END CAP

CROSS SECTION
CLOSED END CAP

FIXTURE LENGTH
MINUS 5/8"

FEED CORD

AIRCRAFT CABLE

$\frac{3}{8}$"

$\frac{3}{8}$"

END CAP

FIXTURE LENGTH
24", 36", 48", 60", 72", 96"

INDIVIDUAL MOUNT

FIXTURE LENGTH
MINUS 5/8"

FIXTURE LENGTH

FIXTURE LENGTH

FEED CORD

AIRCRAFT CABLE

FIXTURE LENGTH

FIXTURE LENGTH

FIXTURE LENGTH

ROW MOUNT

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PHOTOMETRY

75L-X-D-4-CX-35K-D150-ECC

LUMINAIRE DATA

Test No.	**Scaled From P21.01221**
Description	**75L Nelo Closed End Cap Direct**
Delivered Lumens	**6000**
Watts	**54**
Efficacy	**111**

POLAR GRAPH

LEGEND:
0-deg: – – – – – – –
45-deg: — — — —
90-deg: — — — —

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0–40	2540.89	42.3
0–60	4551.27	75.9
0–90	6000	100
0–180	6000	100
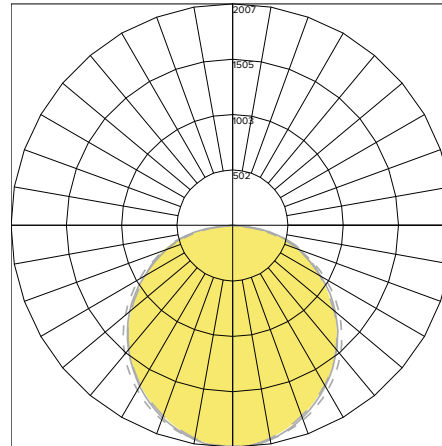
ADDITIONAL INFORMATION

DIMMING OPTIONS

D01	100%- 1% dimming range. Fixture will be wired for low voltage 0-10V dimming control.
D05	100%-5% dimming range, Fixture will be wired for low voltage0-10V dimming control. Only applicable if either 2230TD, 2750T or 2765T is selected.
LEC	Hi-Lume 1% EcoSystem LED Driver with Soft-On, Fade-to-Black dimming technology.
NDM	Non-dimming. Fixture will be wired for fixed light output.

Rated Life
Tested in accordance to LM79-2008 & derived from EPA TM-21 calculator
L70: >54,000 (calculated per TM-21 extrapolated curve)
L70: 110000 (reported per TM-21/LM80 6x's limitation)
L85: >50000 (calculated per TM-21 extrapolated curve)
L85: 50500 (reported per TM-21/LM80 6x's limitation)

Rated Life (Driver)
Standard = 100,000 hours
Lutron = 50,000 hours

75L-P-D WITH CLOSED END CAP AND NXWRM WIRELESS CONTROL OPTION

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