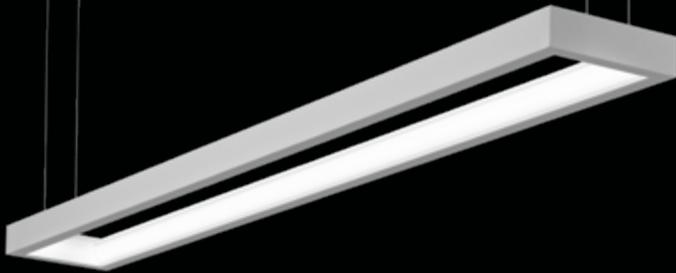


# Nera®

LED



bottom detail



inside lens detail



grid ceiling canopy



white finish

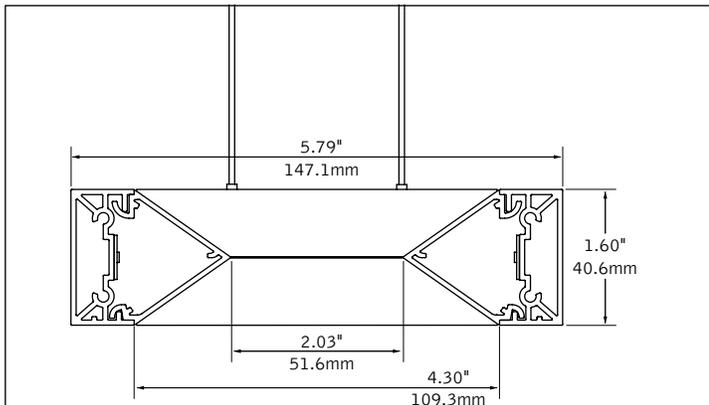


palladium finish

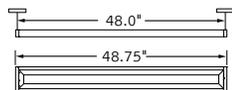


drywall canopy

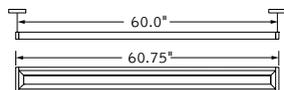
## DIMENSIONAL DATA



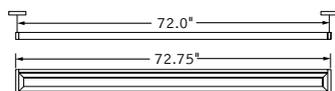
## fixture information



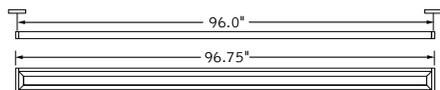
4'



5'



6'



8'

## FEATURES

Unique aesthetic inspired by the visual void design philosophy.

Luminaire lengths available in 4', 5', 6' and 8' lengths as well as continuous rows.

Frosted acrylic optical diffuser produces 40/60, 60/40 or 70/30 light distributions.

Features Power-Up suspension system which delivers power through the suspension cables and eliminates visual clutter of separate power cord.

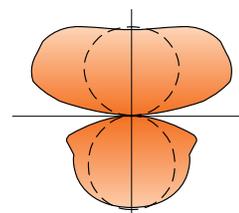
Installations include grid, drywall and surface-mount/open ceilings.

Choice of output levels to meet a wide variety of application needs.

Connected Solutions: Integrates with wired and wireless building lighting control systems.

PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires.

## PERFORMANCE



4' - 1000 Lumens per foot

**Delivered Lumens: 4000lm**

**Total System Watts: 40W**

## PRODUCT OVERVIEW

Lumen Output: 2000-4000lm

Wattage: 18-38W

LPW: 106-115

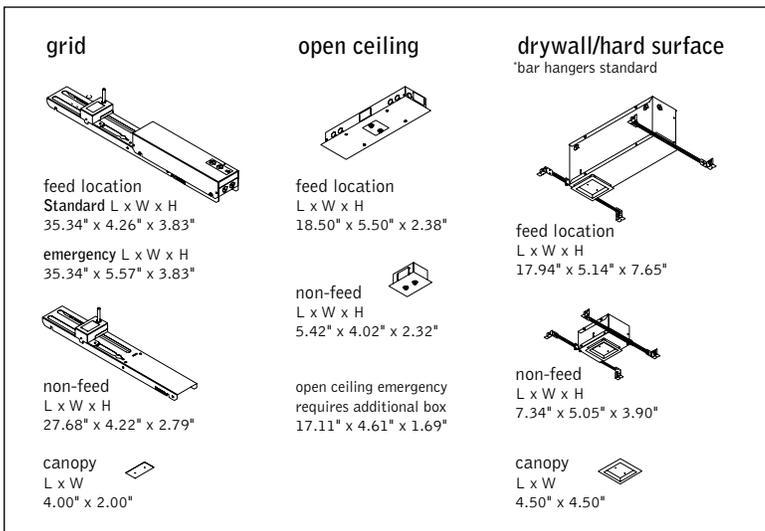
SDCM: 3

Photometric performance is measured in accordance with IESNA LM-79. Visit [focalpointlights.com](http://focalpointlights.com) for complete photometric data. Visit [designlights.org/QPL](http://designlights.org/QPL) for model specifics.

fixture:

project:

**DETAILS**



**SPECIFICATIONS**

**LED System**

Linear LED module incorporates premium LEDs on a robust platform to achieve excellent thermal management. Available in 3000K, 3500K, 4000K with CRI>80, 3 SDCM.

**Construction**

Extruded aluminum rails with die-cast aluminum end-caps. 4' unit weight: 4.8lbs. 5' unit weight: 5.9lbs. 6' unit weight: 7.0lbs. 8' unit weight: 9.8lbs.

**Optic**

0.125" thick extruded acrylic lens.

**Mounting**

White satin acrylic canopies provided for below ceiling access. Canopies are field paintable. Minimum mounting height: 12"

**Suspension and Power**

Low voltage power delivered via aircraft suspension/power cable. Adjustable suspension to 96", consult factory for longer lengths. Drivers in sheet metal enclosure above ceiling or surface mount for open ceilings. Drivers are replaceable. Standard 120-277V constant current driver includes 0-10V analog dimming. Power factor > .9. PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires. PoE runs require an independent PoE node and power feed for each luminaire section.

**Emergency**

Emergency Battery 10W output for 90 minutes. Maximum mounting height: 15ft. Emergency Circuit with Connected Solutions (WSPC, NLT1, NXE1, WLXP) shipped standard with leads to connect UL924 compliant device, by others.

**Labels**

UL and cUL listed. Suitable for Dry or Damp Locations, indoor use only.

**Finish**

Polyester powder coat applied over a multi-stage pre-treatment.

**Lumen Maintenance**

Reported: L90 at >36,000 hours      Calculated: L90 at 100,000 hours  
Derived from EPA TM-21 calculator. Based on typical conditions, consult factory for additional data.

**Reliability**

At Focal Point, our products are designed to stand the test of time. Each luminaire is engineered using superior components, manufactured with the utmost care and rigorously tested. Contact us for reliability data.

**Warranty**

LED system rated for operation in ambient environments up to 25°C. 5-year limited warranty.

**4' PERFORMANCE CHART**

Lumen Output	Delivered Lumens	System Watts		LPW	
		40/60	60/40 & 70/30	40/60	60/40 & 70/30
500LF	2000	18.1	17.7	110	114
625LF	2500	22.8	22.0	110	115
750LF	3000	27.6	26.6	109	114
875LF	3500	32.6	31.2	107	113
1000LF	4000	37.8	36.0	106	111

Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%

Focal Point LLC reserves the right to change specifications for product improvement without notification.

**ORDERING**

**Luminaire Series**

**FNRS**

Nera FNRS

**Shielding**

Frosted Lens - FL40  
40 Indirect / 60 Direct Distribution  
Frosted Lens - FL60  
60 Indirect / 40 Direct Distribution  
Frosted Lens - FL70  
70 Indirect / 30 Direct Distribution

**Lumen Output**

500 Lumens per foot 500LF  
625 Lumens per foot 625LF  
750 Lumens per foot 750LF  
875 Lumens per foot 875LF  
(Not available with D11 or NLT1)  
1000 Lumens per foot 1000LF  
(Not available with D11 or NLT1)  
(Consult factory for higher light levels)

**Color Temperature**

3000K 30K  
3500K 35K  
4000K 40K

**Circuits**

Single Circuit 1C

**Voltage**

UNV 120/277 Volt UNV  
Low Voltage LV

**Control System & Dimming Level**

0-10V - 10% Dimming LD1  
0-10V - 1% Dimming L11  
Low Voltage, PoE compatible LVN  
(No driver. Not available with EM or EC. LV Voltage only)  
Lutron Hi-Lume EcoSystem (LDE1) - LH1  
1% Dimming  
DALI - 1% Dimming D11  
(Not available with 875 or 1000 Lumens.)  
Wattstopper PLUS: WSPC  
Connected Light Module  
(Grid only. 0-10V standard. Consult factory for DALI)  
Acuity nLight - 1% Dimming NLT1  
(Grid only. Not available with CP)  
Current NX Enabled - 1% Dimming NXE1  
(Grid only. Not available with CP)  
WaveLinX Pro - 1% Dimming\* WLXP  
(Remote mounted sensor)  
\*See sensor layout guide

**Mounting**

Grid Accessible Ceiling G  
(Consult factory for TechZone Ceilings.)  
Drywall / Hard Surface HS  
(Not available with Emergency Battery)  
Open Ceiling OC

**Suspension and Power Feed**

(Adjustable aircraft cable with integral low voltage power delivery)  
24" adjustable CLV24  
48" adjustable CLV48  
60" adjustable CLV60  
96" adjustable CLV96

**Factory Options**

Clear Cable Slewing CCS  
(May be required by local code)  
Chicago Plenum CP  
(Not available with Open Ceiling mounting. CCS shipped standard with CP option)  
Emergency Circuit EC  
Emergency Battery EM  
(Test switch in canopy. Not available with HS mounting.)

**Finish**

Palladium Silver PS  
White WH

**Luminaire Run Length**

4' 4'  
5' 5'  
6' 6'  
8' 8'

**Run Configuration**

all 4' housings C4  
all 5' housings C5  
all 6' housings C6  
all 8' housings C8  
Mixed housing lengths M  
(consult run guide for standard configurations up to 48')

Ordering example: Specify both total Luminaire Run Length and a Run Configuration  
FNRS-FL60-625LF-35K-1C-UNV-LD1-G-CLV48-WHI-24-C8

Focal Point provides broad flexibility through compatibility with a wide range of indoor lighting control systems. A variety of sensors, nodes, controllers, and drivers can be specified to scale the system and meet the needs of each application across both wired and wireless networks.

Features such as daylight harvesting, occupancy sensing, dimming, and switching help save energy, reduce costs, and enhance occupant comfort. All Connected Solutions luminaires require a compatible building control system.

Controls systems supplied by others. For performance data and additional control system details, please visit the connected solutions manufacturers websites.

Connected Solution	Ordering Code	Model #	Protocol	Compatible Networks (Not all compatible networks may be listed.)	Description	Occupancy & Daylight	Communication to Luminaire	Drivers (Primary drivers are listed in <b>bold</b> . To specify a particular driver please consult factory.)	Driver Type
WATTSTOPPER®									
	WSPC	EN-ZBHA-CLM-DIM	ZigBee	Wattstopper PLUS	Node	Enabled†	Wireless	<b>Advance by Signify</b>	0-10V standard, consult factory for DALI
	WLXP	OEM-WAA	WaveLinx Wireless	WaveLinx Pro Trellix	Sensor	Integrated (remote)*	Wireless (WaveLinx Pro Wireless Area Controller)	<b>Advance by Signify</b>	<b>0-10V</b>
	NXE1	NXFM2-LV	NX	NX Distributed Intelligence	Controller	Enabled†	Wired	<b>Optotronic by eldoLED</b>	0-10V
	NLT1	nEPS-60-IO	nLight	nLight	Controller	Enabled†	Wired	<b>eldoLED ECOdrive, eldoLED SOLOdrive</b>	0-10V

†Enabled: Luminaire supplied with a node/controller. Sensor to be provided by others.

\*Integrated (remote): Luminaire supplied with a sensor to be installed in a remote location by others.

## RUN GUIDE

### EXAMPLE 15' RUN - FNRS-FL60-625LF-35K-1C-UNV-LD1-G-CLV48-WH-15-C5



### EXAMPLE 20' RUN - FNRS-FL60-625LF-35K-1C-UNV-LD1-G-CLV48-WH-20-M



#### STANDARD RUNS

Luminaire Run Length (ft)	Run Configuration	Run Configuration Code
4	4'	C4
5	5'	C5
6	6'	C6
8	8'	C8
12	8' + 4'	M
16	8' + 8'	C8
20	8' + 4' + 8'	M
24	8' + 8' + 8'	C8
30	8' + 8' + 8' + 6'	M
32	8' + 8' + 8' + 8'	C8
36	8' + 8' + 8' + 8' + 4'	M
40	8' + 8' + 8' + 8' + 8'	C8
44	8' + 8' + 8' + 8' + 8' + 4'	M
48	8' + 8' + 8' + 8' + 8' + 8'	C8

#### NON- STANDARD RUNS

Luminaire Run Length (ft)	Run Configuration	Run Configuration Code
8	4' + 4'	C4
10	5' + 5'	C5
12	4' + 4' + 4'	C4
12	6' + 6'	C6
14	8' + 6'	M
15	5' + 5' + 5'	C5
16	4' + 4' + 4' + 4'	C4
18	6' + 6' + 6'	C6
20	4' + 4' + 4' + 4' + 4'	C4
20	5' + 5' + 5' + 5'	C5
24	4' + 4' + 4' + 4' + 4' + 4'	C4
24	6' + 6' + 6' + 6'	C6
25	5' + 5' + 5' + 5' + 5'	C5
28	4' + 4' + 4' + 4' + 4' + 4' + 4'	C4
28	8' + 6' + 6' + 8'	M
30	5' + 5' + 5' + 5' + 5' + 5'	C5
30	6' + 6' + 6' + 6' + 6'	C6
32	4' + 4' + 4' + 4' + 4' + 4' + 4' + 4'	C4
35	5' + 5' + 5' + 5' + 5' + 5'	C5
36	4' + 4' + 4' + 4' + 4' + 4' + 4' + 4' + 4'	C4
36	6' + 6' + 6' + 6' + 6' + 6'	C6
38	8' + 8' + 8' + 8' + 6'	M
40	4' + 4' + 4' + 4' + 4' + 4' + 4' + 4' + 4' + 4'	C4
40	5' + 5' + 5' + 5' + 5' + 5' + 5' + 5'	C5
42	6' + 6' + 6' + 6' + 6' + 6' + 6'	C6
44	4' + 4' + 4' + 4' + 4' + 4' + 4' + 4' + 4' + 4' + 4'	C4
45	5' + 5' + 5' + 5' + 5' + 5' + 5' + 5'	C5
46	8' + 8' + 8' + 8' + 8' + 6'	M
48	4' + 4' + 4' + 4' + 4' + 4' + 4' + 4' + 4' + 4' + 4' + 4'	C4
48	6' + 6' + 6' + 6' + 6' + 6' + 6' + 6'	C6
>48	Consult Factory	Consult Factory