Nera®

LED

FOCAL POINT®

bottom detail
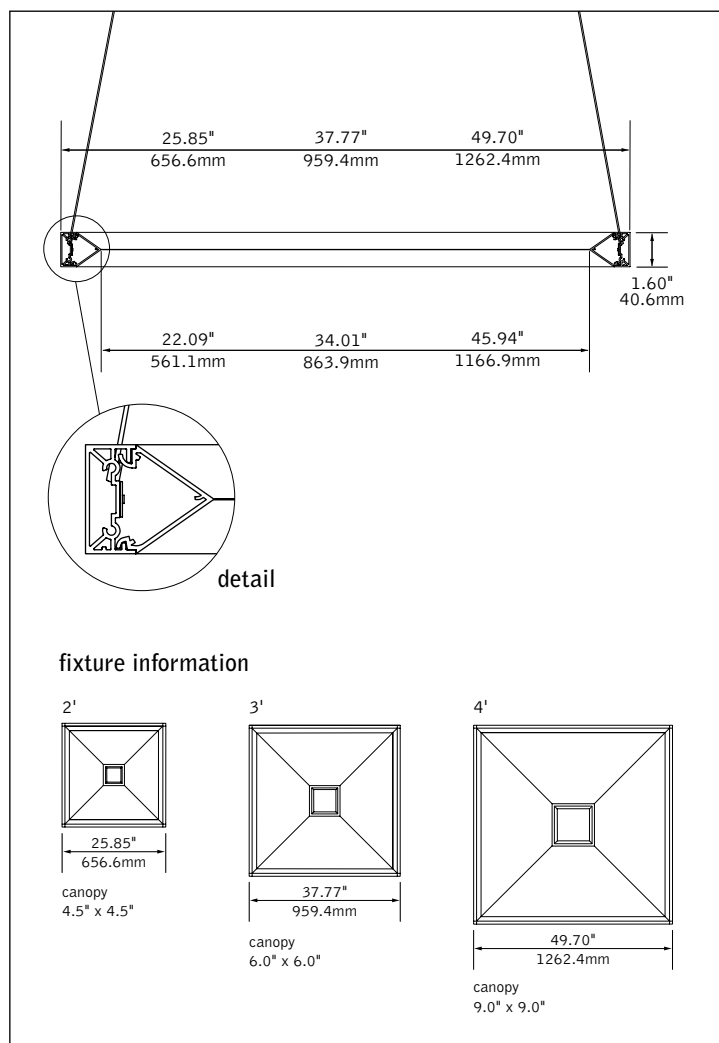
inside lens detail

canopy

white finish

palladium finish

Next Generation LUMINAIRES 2016

DIMENSIONAL DATA

25.85"
656.6mm

37.77"
959.4mm

49.70"
1262.4mm

1.60"
40.6mm

22.09"
561.1mm

34.01"
863.9mm

45.94"
1166.9mm

detail

fixture information

2'

25.85"
656.6mm

canopy
4.5" x 4.5"

3'

37.77"
959.4mm

canopy
6.0" x 6.0"

4'

49.70"
1262.4mm

canopy
9.0" x 9.0"

FEATURES

Unique aesthetic inspired by the visual void design philosophy.

Luminaire sizes available in 2'x2', 3'x3' and 4'x4'.

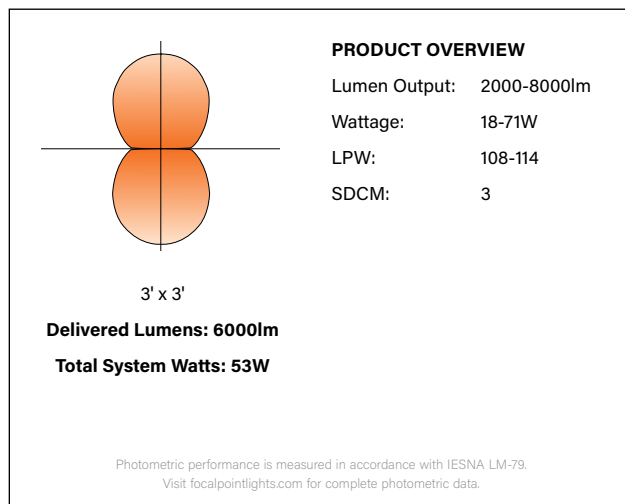Frosted acrylic optical diffuser produces 50/50 light distribution.

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

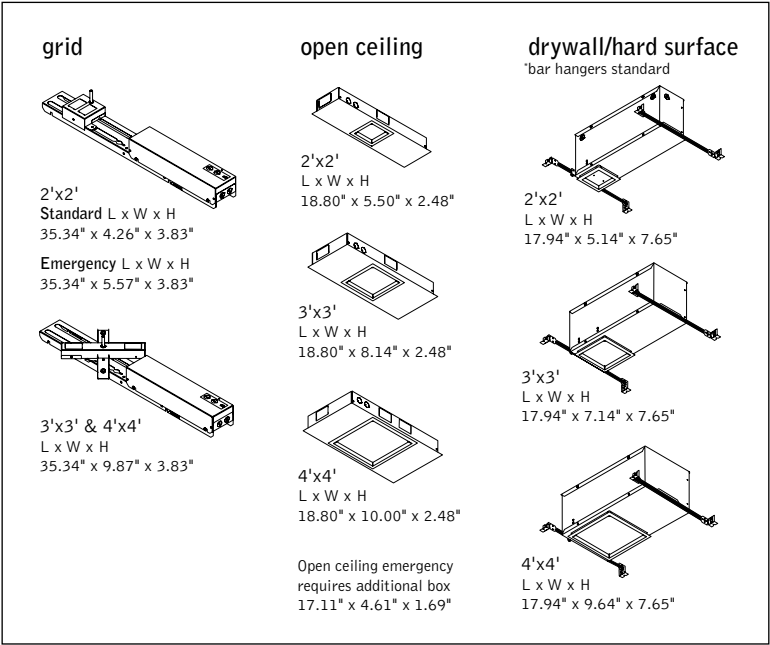Installations include grid, drywall and surface-mount/open ceilings.

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

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

PERFORMANCE

PRODUCT OVERVIEW

Lumen Output:	2000-8000lm
Wattage:	18-71W
LPW:	108-114
SDCM:	3

3' x 3'

Delivered Lumens: 6000lm

Total System Watts: 53W

Photometric performance is measured in accordance with IESNA LM-79.
Visit focalpointlights.com for complete photometric data.

DETAILS

grid

2'x2'
Standard L x W x H
35.34" x 4.26" x 3.83"

Emergency L x W x H
35.34" x 5.57" x 3.83"

3'x3' & 4'x4'
L x W x H
35.34" x 9.87" x 3.83"

open ceiling

2'x2'
L x W x H
18.80" x 5.50" x 2.48"

3'x3'
L x W x H
18.80" x 8.14" x 2.48"

4'x4'
L x W x H
18.80" x 10.00" x 2.48"

Open ceiling emergency
requires additional box
17.11" x 4.61" x 1.69"

drywall/hard surface
*bar hangers standard

2'x2'
L x W x H
17.94" x 5.14" x 7.65"

3'x3'
L x W x H
17.94" x 7.14" x 7.65"

4'x4'
L x W x H
17.94" x 9.64" x 7.65"

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, 3SDCM. LED boards and drivers are replaceable.

Construction
Extruded aluminum rails and die-cast corners. 2' x 2' unit weight: 4.6lbs.
3' x 3' unit weight: 6.8lbs. 4' x 4' unit weight: 9.3lbs.

Optic
0.125" thick extruded acrylic lens.

Mounting
White satin acrylic canopy provided for below ceiling access. Canopy is field paintable.
Minimum mounting height: 2' x 2': 12". 3' x 3': 18". 4' x 4': 24".

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.

Emergency
Emergency Battery 10W output for 90 minutes. Maximum mounting height: 16.6ft. Emergency Circuit with Connected Solutions (NLT1, ENL1, CLM1, CLMZ1, DLM1) 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.

PERFORMANCE CHART

See page 3

ORDERING

Luminaire Series		**FNRP**
Nera	FNRP	
Nominal Size		
2' x 2'	22	
3' x 3'	33	
4' x 4'	44	
Shielding		**FL50**
Frosted Lens - 50/50 Distribution	FL50	
Lumen Output		
2' x 2'		
2000 Lumens	2000L	
2500 Lumens	2500L	
3000 Lumens	3000L	
3500 Lumens	3500L	
4000 Lumens	4000L	
3' x 3'		
3000 Lumens	3000L	
3750 Lumens	3750L	
4500 Lumens	4500L	
5250 Lumens	5250L	
6000 Lumens	6000L	
4' x 4'		
4000 Lumens	4000L	
5000 Lumens	5000L	
6000 Lumens	6000L	
7000 Lumens (Not available with D11 or NLT1)	7000L	
8000 Lumens (Not available with D11 or NLT1)	8000L	
Color Temperature		
3000K	30K	
3500K	35K	
4000K	40K	
Circuits		**1C**
Single Circuit	1C	
Voltage		**UNV**
UNV 120/277 Volt	UNV	
Low Voltage	LV	
Control System & Dimming Level		
0-10V - 1% Dimming	L11	
0-10V - 10% Dimming	LD1	
Low Voltage, PoE compatible (No driver. Not available with EM or EC. LV Voltage only.)	LVN	
Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming	LH1	
DALI - 1% Dimming	D11	
Acuity nLight - 1% Dimming (Not available with CP. Grid only.)	NLT1	
Enlighted Smart Sensor - 1% Dimming (Remote mounted sensor. Grid only.)	ENL1	
Osram Connected Lighting Module - 1% Dimming (Grid only. Compatible with Osram ENCELIUM and ENCELIUM EDGE systems only.)	CLM1	
Osram Connected Lighting Module for ZigBee Wireless Networks - 1% Dimming (Grid only. Not compatible with Osram ENCELIUM systems.)	CLMZ1	
Wattstopper DLM - 1% Dimming (Grid only.)	DLM1	
Mounting		
Grid Accessible Ceiling (Consult factory for TechZone Ceilings.)	G	
Drywall / Hard Surface (Not available with Emergency Battery)	HS	
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 Sleeving (May be required by local code)	CCS	
Chicago Plenum (Not available with Open Ceiling mounting. CCS shipped standard with CP option)	CP	
Emergency Circuit	EC	
Emergency Battery (Test switch in canopy. Not available with HS mounting.)	EM	
Finish		
Palladium Silver	PS	
White	WH	

PERFORMANCE CHART

Nominal Size	Delivered Lumens	System Watts	LPW
2' x 2'	2000	17.7	113
	2500	22.0	114
	3000	26.6	113
	3500	31.2	112
	4000	36.0	111
3' x 3'	3000	26.5	113
	3750	33.0	114
	4500	39.8	113
	5250	46.8	112
	6000	52.9	112
4' x 4'	4000	35.3	113
	5000	44.0	114
	6000	53.1	113
	7000	62.5	112
	8000	70.5	108

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

CONNECTED SOLUTIONS™

Focal Point provides flexibility in meeting the needs of each project by integrating with several building lighting control systems. A variety of sensors, drivers and other components can be specified that allow the luminaires to communicate with wired and wireless networks. All zoning can be digitally reconfigured through the application software. Daylight harvesting, occupancy sensing, integration with HVAC systems, and individual controls enable the monitoring and modulating of light levels and temperature in order to save energy, reduce costs and maximize occupants' comfort. All Connected Solutions luminaires require a compatible building control system.†
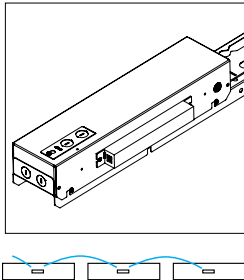
nLIGHT

nLight® provides a two-way wired digital lighting system allowing for on/off and dimming functionality, occupancy sensing, and multi-zone daylight harvesting.

Acuity nLight - 1% Dimming (NLT1)
Acuity Model #nEPS-60-IO

CAT-5 Cable provided by others. Serial labels will be provided on outside of luminaires and control unit.

enlighted
A Siemens Company

Enlighted smart sensor allows for occupancy sensing, daylight harvesting (not suitable for Nera), energy usage, temperature and light level control. Communicates wirelessly with the Enlighted network.

Enlighted Smart Sensor - 1% Dimming (ENL1)
Enlighted Model #SU-5E-IOT
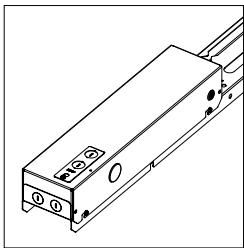
OSRAM

Connected Lighting Module (CLM) enables each luminaire to be independently controlled and configured. Communicates wirelessly with Daintree Networks®, Osram ENCELIUM®, Osram ENCELIUM EDGE™, and other networks using the ZigBee® HA communication protocol to allow for on/off and dimming functionality, occupancy sensing and multi-zone daylight harvesting.

Osram CLM - 1% Dimming (CLM1 & CLMZ1)
Osram Model #ZBHA-CLM DIM

Serial labels will be provided on outside of luminaires and control unit.

legrand® WATTSTOPPER®
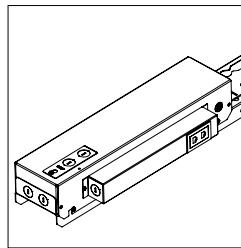
A Digital Lighting Management (DLM) system that provides two-way wired communication between networked luminaires and control system to allow for on/off and dimming functionality, occupancy sensing and multi-zone daylight harvesting.

Wattstopper DLM - 1% Dimming (DLM1)
Wattstopper Model #LMFC-011

CAT-5 Cable provided by others. Serial labels will be provided on outside of luminaires and control unit.
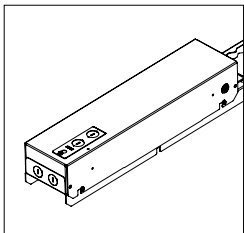
LUTRON®

A two-way digital network that enables on/off and dimming functionality, occupancy sensing, and multi-zone daylight harvesting working with Quantum®, Energi Savr Node™, and Energi TriPak® using EcoSystem® communication protocol.

Lutron Hi-Lume EcoSystem - 1% Dimming (LH1)
Lutron Model #LDE1
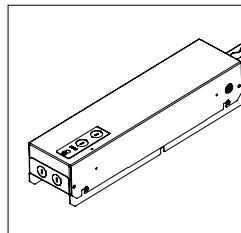
CRESTRON®

A two-way digital network that enables on/off and dimming functionality, occupancy sensing, and multi-zone daylight harvesting. Communicates with Zūm wireless and SpaceBuilder working with Zūm hub scheduling or FUSION management.

DALI - 1% Dimming (D11)
0-10V - 1% Dimming (L11)
Note: 0-10V is not a digital network but is compatible with Creston Zūm™ system.

CONNECTED SOLUTIONS DETAILS

Connected Solution	Model #	Protocol	Compatible Networks*	Occupancy	Daylight	Temperature Reporting	Communication to Luminaire	Drivers
Acuity nLight (NLT1)	nEPS-60-IO**	nLight	nLight	Enabled	Enabled	No	Wired	**eldoLED ECOdrive,** eldoLED SOLOdrive
Crestron (D11, L11)	Specified Driver	DALI 0-10V	Crestron Zūm Wireless & SpaceBuilder	Enabled	Enabled	No	Wired	**eldoLED ECOdrive (DALI), Advance by Signify (0-10V)**
Enlighted Smart Sensor (ENL1)	SU-5E-IOT**	Enlighted RF	Enlighted	Integrated	Not suitable	Yes	Wireless	**Advance by Signify**
Legrand Wattstopper DLM (DLM1)	LMFC-011**	DLM	DLM	Enabled	Enabled	No	Wired	**Advance by Signify**
Lutron EcoSystem (LH1)	LDE1**	EcoSystem	Quantum, Energi Savr Node, Energi TriPak	Enabled	Enabled	No	Wired	**Lutron Hi-Lume**
Osram CLM for ENCELIUM systems (CLM1)	ZBHA-CLM**	ZigBee HA	Osram ENCELIUM & ENCELIUM EDGE	Enabled	Enabled	No	Wireless	**Osram Optotronic**
Osram CLM for ZigBee Wireless Networks (CLMZ1)	ZBHA-CLM**	ZigBee HA	Daintree Networks & open ZigBee Networks	Enabled	Enabled	No	Wireless	**Osram Optotronic**

*Not all compatible networks may be listed. **For performance data and additional control system details please visit the connected solutions manufacturer websites. Primary drivers are listed in **bold.** To specify a particular driver please consult factory.
†Controls systems supplied by others.