Seem® 4-LP

LED

FOCAL POINT®

flush lens

regress lens

SEEM 4 FAMILY COMPANIONS

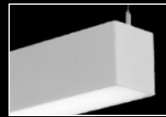drywall ceiling

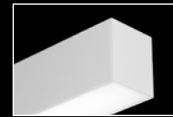corners & patterns

perimeter

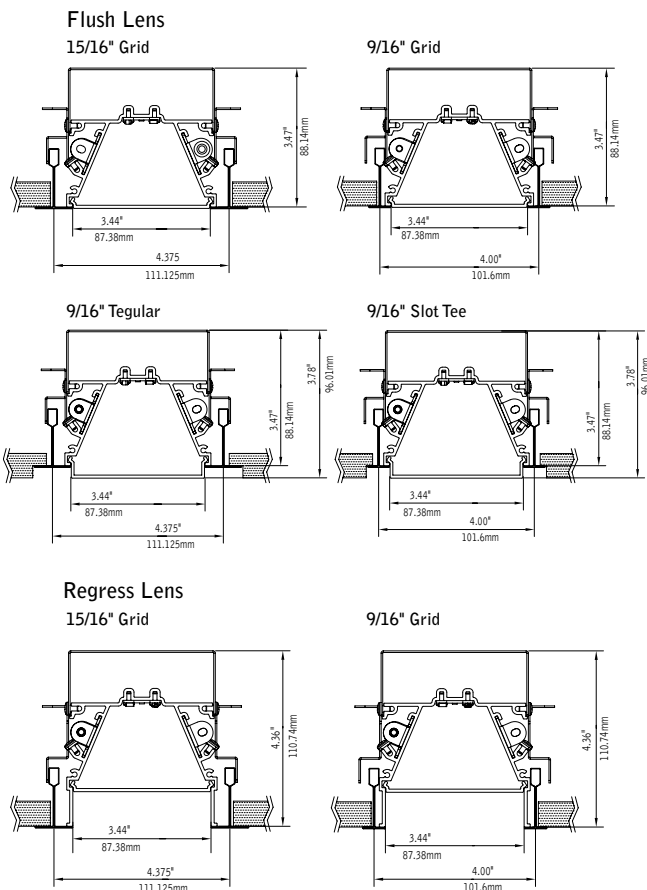suspended

wall mount

DIMENSIONAL DATA

Flush Lens

15/16" Grid

3.47" / 88.14mm
3.44" / 87.38mm
4.375" / 111.125mm

9/16" Grid

3.47" / 88.14mm
3.44" / 87.38mm
4.00" / 101.6mm

9/16" Tegular

3.78" / 96.01mm
3.47" / 88.14mm
3.44" / 87.38mm
4.375" / 111.125mm

9/16" Slot Tee

3.78" / 96.01mm
3.47" / 88.14mm
3.44" / 87.38mm
4.00" / 101.6mm

Regress Lens

15/16" Grid

4.36" / 110.74mm
3.44" / 87.38mm
4.375" / 111.125mm

9/16" Grid

4.36" / 110.74mm
3.44" / 87.38mm
4.00" / 101.6mm

FEATURES

Low profile 3.6" housing depth on flush lens option and 4.5" housing depth on regress lens option.

Individual units or continuous runs in 6" increments.

Compatible with common pre-engineered grid ceiling systems requiring luminaires fitting into a 4" slot.

Frosted acrylic lens provides uninterrupted illumination, without pixels or shadows.

LED position and lens material optimized to provide the perfect blend of high performance and visual comfort.

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

PERFORMANCE
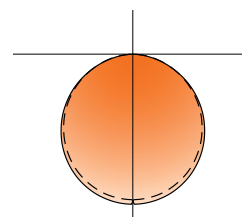
4' Flush Lens
625 Lumens per foot
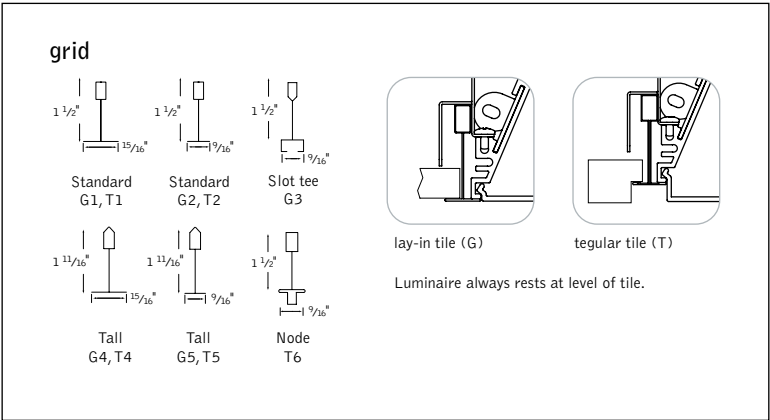
Delivered Lumens: 2500lm

Total System Watts: 24W

PRODUCT OVERVIEW

Lumen Output:	1100-4000lm
Wattage:	10-38W
LPW:	113-121
SDCM:	3

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

DETAILS

grid

1 ½" — 15/16"	1 ½" — 9/16"	1 ½" — 9/16"
Standard G1, T1	Standard G2, T2	Slot tee G3
1 11/16" — 15/16"	1 11/16" — 9/16"	1 ½" — 9/16"
Tall G4, T4	Tall G5, T5	Node T6

lay-in tile (G) tegular tile (T)

Luminaire always rests at level of tile.

SPECIFICATIONS

LED System

Proprietary linear LED module incorporates premium LEDs on a robust platform to achieve excellent thermal management. LEDs are placed to promote a uniform appearance.
Available in 2700K, 3000K, 3500K or 4000K with CRI>80 or CRI>90, 3 SDCM. LED modules are replaceable from below the ceiling. Drivers are accessable from above the ceiling only.

Construction

One piece extruded aluminum housing. 20 Ga. steel end caps. Aluminum driver compartment.
4' unit weight: 11 lbs., 8' unit weight: 19 lbs.

Optic

Extruded acrylic lens .078" thick with satin finish, up to 8' continuous.

Electrical

Luminaires are pre–wired with factory installed branch circuit wiring and over-molded quick connects. Standard 120-277V constant current driver includes 0-10V analog dimming. Dimming range 100% to 10%. Power factor >.9.

Emergency

Emergency Battery output - 10 watts for 90 minutes. Maximum mounting height: 19.0ft. Emergency Circuit with Connected Solutions (DLM1, LMFS1, LMFSD, NLT1, CLM1, 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: L70 > 61,000 hours   Calculated: L70 at > 447,000 hours
L90 > 61,000 hours   L90 at > 110,000 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

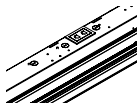LED system rated for operation in ambient environments up to 25°C. 5-year limited warranty.
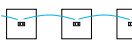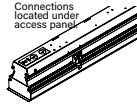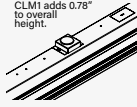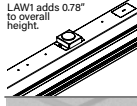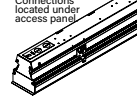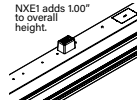
4' PERFORMANCE CHART

Lumen Output	Nominal Lumens	FL		RL	
		Tested System Watts	LPW	Tested System Watts	LPW
275LF	1100	9.0	122	9.5	116
375LF	1500	11.4	132	12.0	125
625LF	2500	18.2	137	19.4	129
875LF	3500	26.5	132	28.3	124
1000LF	4000	30.4	131	32.6	123

*Based on 3500K, 4' lengths. Regress Lens multiplier = 0.90. Lumen may vary +/-5%. Actual wattage may vary

ORDERING

		FSM4LP
Luminaire Series		
Seem 4-LP	FSM4LP	
Shielding		_____
Flush Satin Lens	FL	
Regress Lens	RL	
Lumen Output		_____
275 Lumens per foot	275LF	
(2' LD1 & L11 only. 3' minimum all other drivers.)		
375 Lumens per foot	375LF	
625 Lumens per foot	625LF	
875 Lumens per foot	875LF	
1000 Lumens per foot	1000LF	
Color Temperature		_____
2700K, 80+ CRI **or** 90+ CRI	27K **or** 927K	
3000K, 80+ CRI **or** 90+ CRI	30K **or** 930K	
3500K, 80+ CRI **or** 90+ CRI	35K **or** 935K	
4000K, 80+ CRI **or** 90+ CRI	40K **or** 940K	
Circuits & Zones		_____
1 Circuit, non-emergency	1C	
Consult Ordering Guide on page 4 for multiple circuiting and zoning options	_C_Z_DL	
Voltage		_____
120/277 UNV Volt	UNV	
347 Volt	347	
(LD1 driver only)		
Control System & Dimming Level		_____
0-10V - 10% Dimming	LD1	
0-10V - 1% Dimming	L11	
Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming	LH1	
DALI 1% Dimming	D11	
Wattstopper DLM - 1% Dimming**	DLM1	
(Not available with CP)		
Wattstopper Fixture Sensor** Low Density – 1% Dimming	LMFS1	
See sensor layout guide		
Wattstopper Fixture Sensor** High Density – 1% Dimming	LMFSD	
See sensor layout guide		
Lutron Athena Wireless Node** [1]	LAW1	
Lutron Athena Wireless Sensor** [1]	LAWS	
(Remote mounted sensor. See sensor layout guide)		
Acuity nLight - 1% Dimming**	NLT1	
(Not available with CP)		
Encelium CLM Connected** Lighting Module - 1% Dimming	CLM1	
Current NX Enabled – 1% Dimming**	NXE1	
(Not available with CP)		
WaveLinx Pro – 1% Dimming**	WLXP	
See sensor layout guide		
**(3' minimum length, with ECD/EM - 7' minimum.) 1(0-10V standard, consult factory for DALI)		
Ceiling Configuration		_____
Std. 15/16" Lay-in **or** Std. 15/16" Tegular	G1 **or** T1	
Std. 9/16" Lay-in **or** Std. 9/16" Tegular	G2 **or** T2	
9/16" Slot-tee Tegular	G3	
Tall 15/16" Lay-in **or** Tall 15/16" Tegular	G4 **or** T4	
Tall 9/16" Lay-in **or** Tall 9/16" Tegular	G5 **or** T5	
Node 9/16" Tegular	T6	
Factory Options		
(See Ordering Guide on page 4 for ordering details for DC, EC, EM & ECD.)		
Chicago Plenum	CP	
(Not available with flex whip)		
Daylight Circuit	_DC	_____
Emergency Circuit	_EC	_____
Emergency Battery Pack†	_EM	_____
Emergency Control Device†	_ECD	_____
(Adds .125" to overall height.)		
†(4' minimum. 120/277 Volt only.)		
6' New York City Flex Whip (120V)	FNY1	_____
6' New York City Flex Whip (277V)	FNY2	_____
6' Flex Whip	FW	_____
Finish		**WH**
Matte White Housing	WH	
Luminaire Length		_____
2'	2'	
2' 6"	2' 6"	
3'	3'	
4'	4'	
5'	5'	
6'	6'	
7'	7'	
7' 6"	7' 6"	
8'	8'	
Specify luminaire/row length in 6" increments	_ft. _in.	
(8' minimum row length)		

Seem® 4-LP

LED

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.†

Connected Solution		Ordering Code	Model #**	Protocol	Compatible Networks*	Occupancy & Daylight	Temperature Reporting	Communication to Luminaire	Drivers
legrand WATTSTOPPER®		DLM1	LMFC-011	DLM	DLM	Enabled	No	Wired	**Advance by Signify**, Optotronic by eldoLED
		LMFS1	LMFS-601 & LMFI-111	DLM Wireless	DLM	Enabled	No	Wireless	**Advance by Signify**
		LMFSD	LMFS-601						**Optotronic by eldoLED (Dexal)**
COOPER Lighting Solutions		WLXP	OEM-WAA	WaveLinx Wireless	WaveLinx Pro Trellix	Enabled	No	Wireless (WaveLinx Pro Wireless Area Controller)	**Advance by Signify**
CRESTRON	Connections located under access panel	D11	Specified Driver	DALI	Crestron Zūm Wireless & SpaceBuilder	Enabled	No	Wired	**eldoLED ECOdrive**
		L11		0-10V					**Advance by Signify**
ENCELIUM	CLM1 adds 0.78" to overall height.	CLM1	ZBHA-CLM-DIM-ENC	ZigBee	Encelium X Light Management System	Enabled	No	Wireless	**Optotronic by eldoLED** Advance by Signify
LUTRON	LAW1 adds 0.78" to overall height.	LAW1	A-WN-D01-RF-WH	DALI, 0-10V	Athena Wireless	Enabled	No	Wireless	**Advance by Signify**
		LAWS	A-WN-D01-OCC-WH	DALI, 0-10V	Athena Wireless	Integrated	No	Wireless	**Advance by Signify**
	Connections located under access panel	LH1	LDE1	EcoSystem	Quantum, Energi Savr Node, Energi TriPak	Enabled	No	Wired	**Lutron Hi-Lume**
nLIGHT	Connections located under access panel	NLT1	nEPS-60-IO	nLight	nLight	Enabled	No	Wired	**eldoLED ECOdrive**, eldoLED SOLOdrive
NX LIGHTING CONTROLS	NXE1 adds 1.00" to overall height.	NXE1	NXFM-LV	NX	NX Distributed Intelligence	Enabled	No	Wired	**Optotronic by eldoLED**

*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.

DISCONTINUED

Seem® 4-LP

LED FOR TECHZONE™ CEILING SYSTEMS

FOCAL POINT®

flush lens

regress lens

Armstrong®
CEILING & WALL SOLUTIONS
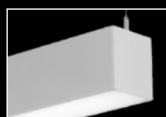
SEEM 4 FAMILY COMPANIONS

drywall ceiling
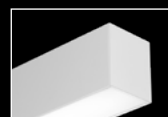
corners & patterns

perimeter

suspended

wall mount

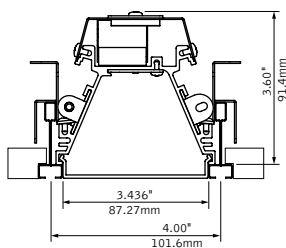## DIMENSIONAL DATA

Flush Lens
9/16" Tegular

3.60" / 91.4mm

3.436" / 87.27mm

4.00" / 101.6mm

9/16" Slot Tee

3.60" / 91.4mm

3.436" / 87.27mm

4.00" / 101.6mm
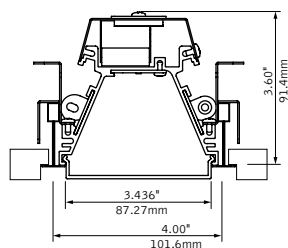
Regress Lens
9/16" Tegular
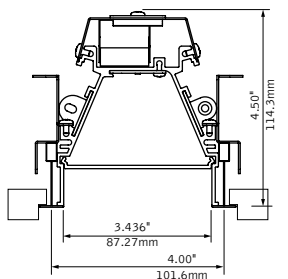
4.50" / 114.3mm

3.436" / 87.27mm

4.00" / 101.6mm

FEATURES

Low profile 3.6" housing depth on flush lens option and 4.5" housing depth on regress lens option.

Integrates with TechZone™ Ceiling Systems for a clean, unobtrusive aesthetic.

Individual units or continuous runs in 6" increments.

Frosted acrylic lens provides uninterrupted illumination, without pixels or shadows.

LED position and lens material optimized to provide the perfect blend of high performance and visual comfort.

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

Preferred Light: Lighting for better color rendition and human preference.

PERFORMANCE

PRODUCT OVERVIEW
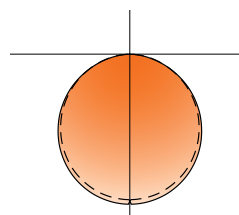
Lumen Output:	1100-4000lm
Wattage:	10-38W
LPW:	113-121
SDCM:	3

4' Flush Lens
625 Lumens per foot

Delivered Lumens: 2500lm

Total System Watts: 24W

DLC QPL LISTED®

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

fixture: _____ project: _____

DETAILS

grid

1 1/2"
9/16"
9/16" Silhouette®
G3TZ

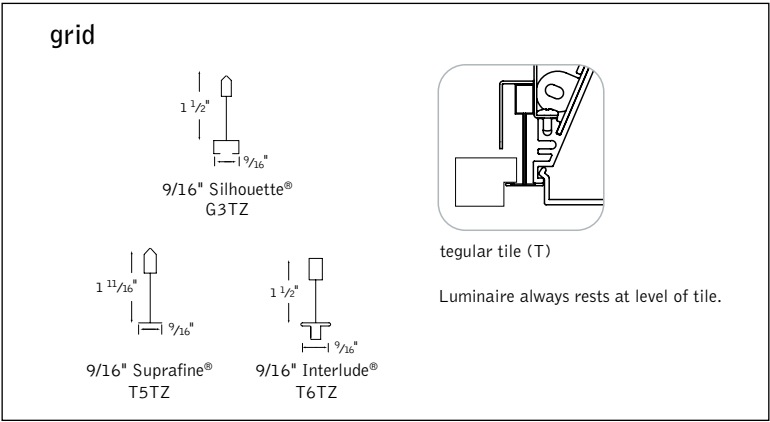1 11/16"
9/16"
9/16" Suprafine®
T5TZ

1 1/2"
9/16"
9/16" Interlude®
T6TZ

tegular tile (T)

Luminaire always rests at level of tile.

SPECIFICATIONS

LED System
Proprietary linear LED module incorporates premium LEDs on a robust platform to achieve excellent thermal management. LEDs are placed to promote a uniform appearance. Available in 2700K, 3000K, 3500K or 4000K with CRI>80 or CRI>90, 3SDCM. LED modules are replaceable from below the ceiling. Drivers are accessable from above the ceiling only.

Construction
One piece extruded aluminum housing. 20 Ga. steel end caps. Aluminum driver compartment. 4' unit weight: 11 lbs., 8' unit weight: 19 lbs.

Optic
Extruded acrylic lens .078" thick with satin finish, up to 8' continuous.

Electrical
Luminaires are pre–wired with factory installed branch circuit wiring and over-molded quick connects. Standard 120-277V constant current driver includes 0-10V analog dimming. Dimming range 100% to 10%. Power factor >.9.

Emergency
Emergency Battery output - 10 watts for 90 minutes. Maximum mounting height: 19.0ft. Emergency Circuit with Connected Solutions (NLT1, ENL1, CLM1, CLMZ1, DLM1) shipped standard with leads to connect UL924 compliant device, by others. See EM/EC Guide for default locations and ordering details.

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: L70 at >61,000 hours Calculated: L70 at 447,000 hours
L90 at >61,000 hours L90 at 110,000 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.
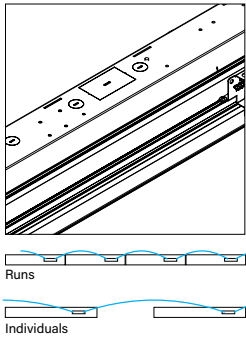
4' PERFORMANCE CHART

Shielding	Lumens per Foot	Delivered Lumens	Tested System Watts	LPW
Flush Lens	275LF	1100	10	113
	375LF	1500	14	117
	625LF	2500	24	121
	875LF	3500	34	119
	1000LF	4000	38	117

Based on 3500K, 80 CRI, 4' lengths. Lumen multipliers: Regress lens = 0.90, Preferred Light = 0.65, 90+ CRI = 0.87.
Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

ORDERING

Luminaire Series		FSM4LP
Seem 4-LP TechZone LED	FSM4LP	
Shielding		_____
Flush Satin Lens	FL	
Regress Lens	RL	
Lumen Output		_____
275 Lumens per foot	275LF	
(2' LD1 & L11 only. 3' minimum all other drivers.)		
375 Lumens per foot	375LF	
625 Lumens per foot	625LF	
875 Lumens per foot	875LF	
1000 Lumens per foot	1000LF	
Color Temperature		_____
2700K, 80+ CRI **or** 90+ CRI	27K **or** 927K	
3000K, 80+ CRI **or** 90+ CRI	30K **or** 930K	
3500K, 80+ CRI **or** 90+ CRI	35K **or** 935K	
4000K, 80+ CRI **or** 90+ CRI	40K **or** 940K	
3500K, Preferred Light	P35K	
(Flush lens only)		
Circuit		1C
Single Circuit	1C	
Voltage		_____
120/277 UNV Volt	UNV	
347 Volt	347	
(LD1 driver only)		
Control System & Dimming Level		_____
0-10V - 10% Dimming	LD1	
0-10V - 1% Dimming	L11	
Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming	LH1	
Lutron 5-Series EcoSystem (LDE5) - 5% Dimming	LU5	
DALI 1% Dimming	D11	
Acuity nLight - 1% Dimming	NLT1	
(3' minimum length. Not available with CP.)		
Enlighted Smart Sensor - 1% Dimming	ENL1	
(3' minimum length. Grid only.)		
Osram Connected Lighting Module for ENCELIUM systems - 1% Dimming	CLM1	
(3' minimum length. Increases height by 0.73" at module location. Compatible with Osram ENCELIUM and ENCELIUM EDGE systems only)		
Osram Connected Lighting Module for ZigBee Wireless Networks - 1% Dimming	CLMZ1	
(3' minimum length. Increases height by 0.73" at module location. Not compatible with Osram ENCELIUM systems)		
Wattstopper DLM - 1% Dimming	DLM1	
(3' minimum length.)		
TechZone™ Ceiling System Configurations		_____
9/16" Silhouette Slot-tee Tegular	G3TZ	
9/16" Suprafine Tegular	T5TZ	
9/16" Interlude Node Tegular	T6TZ	
Factory Options		
Chicago Plenum	CP	_____
Emergency Circuit	_EC	_____
(4' minimum. 7' minimum length for CLM1, CLMZ1, DLM1, ENL1 & NLT1.)		
Emergency Battery Pack	_EM	_____
(4' minimum. 7' minimum length for CLM1, CLMZ1, DLM1, ENL1 & NLT1. Above ceiling access only. See EM/EC Guide for default locations and ordering details.)		
6' New York City Flex Whip (120V)	FNY1	_____
6' New York City Flex Whip (277V)	FNY2	_____
6' Flex Whip	FW	_____
Finish		WH
Matte White Housing	WH	
Luminaire Length		_____
2'	2'	
2' 6"	2' 6"	
3'	3'	
4'	4'	
5'	5'	
6'	6'	
7'	7'	
7' 6"	7' 6"	
8'	8'	
Specify luminaire/row length in 6" increments	X'	
(8' minimum row length)		

QS 10 DAY* Options in orange qualify for the Quickship program. 1000' total. Refer to Quickship Guide for complete details including EM/EC options.

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

For more information visit focalpointlights.com/reference or consult factory.

CONNECTED SOLUTIONS

Seem® 4-LP
LED FOR TECHZONE™ CEILING SYSTEMS

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

Runs

Individuals

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

Flush Lens

Regress Lens
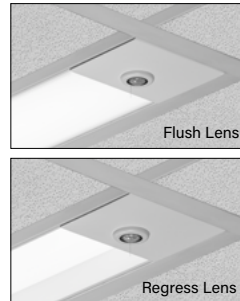
Enlighted smart sensor allows for occupancy sensing, daylight harvesting, energy usage, temperature and light level control. Communicates wirelessly with the Enlighted network.

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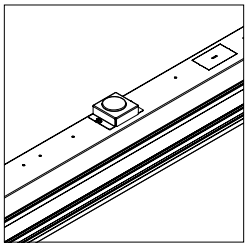
OSRAM

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®

Runs

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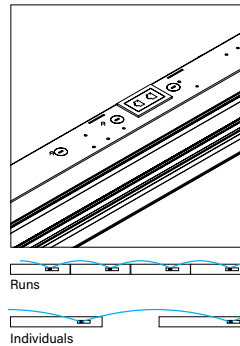
A Digital Lighting Management (DLM) system that provides two-way wired communication between networked luminaires and control system to allow for on/off and dimming functionality, occupancy sensing and multi-zone daylight harvesting.

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.
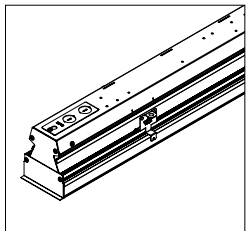
LUTRON®

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
Lutron 5-Series EcoSystem - 5% Dimming (LU5)
Lutron Model #LDE5
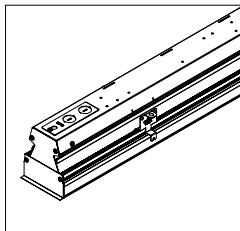
CRESTRON

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	Integrated	Yes	Wireless	**Advance by Signify,** Osram Optotronic
Legrand Wattstopper DLM (DLM1)	LMFC-011**	DLM	DLM	Enabled	Enabled	No	Wired	**Advance by Signify,** Osram Optotronic
Lutron EcoSystem (LH1 & LU5)	LDE1;** LDE5**	EcoSystem	Quantum, Energi Savr Node, Energi TriPak	Enabled	Enabled	No	Wired	**Lutron Hi-Lume Lutron 5-Series**
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.