Zephyr™ 1x4

LED

detail

DIMENSIONAL DATA

5.21"
132.3mm

10.75"
273.1mm

12.00"
304.8mm

347V Housing Height = 6.36"/161.5mm

7.25"
184.2mm

43.25"
1098.6mm
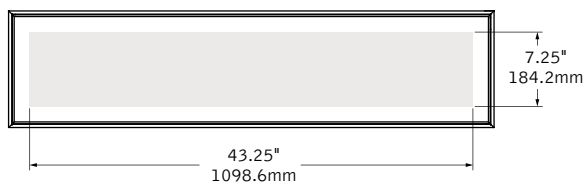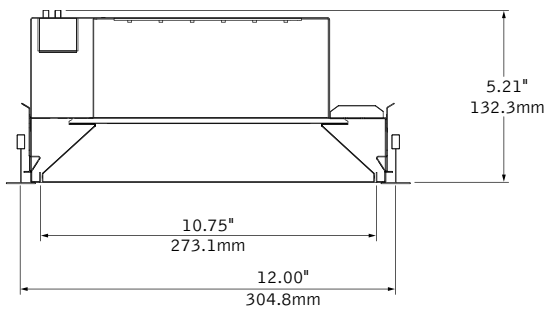
FEATURES

Architectural recessed 1'x4' with unique floating diffuser.

Lens element features an optical microstructure providing glare control and high levels of efficiency.

Zephyr features a one-piece, hinged bezel assembly that is easily removed for ease of maintenance.

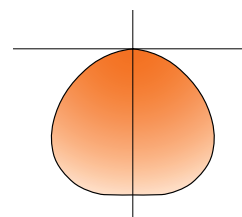Standard Right Light levels from 1,000 to 7,500 lumens.

Dimming options include DALI, 0-10V and Lutron EcoSystem.

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

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

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

PERFORMANCE

PRODUCT OVERVIEW

Lumen Output:	1000-7500lm
Wattage:	11-73W
LPW:	94-112
SDCM:	3

Delivered Lumens: 3500lm

Total System Watts: 37W

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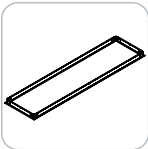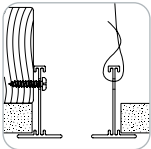
DETAILS

grid

"G" flat tee   "ST" slot tee

drywall frame kit

specify "DF" Drywall Frame Kit for drywall ceiling conditions.

Use tie–wire or screws to secure frame kit.

cut out dimensions:
1': Min: 12.25"
    Max: 12.563"
4': Min: 48.25"
    Max: 48.563"

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. 3500K and 4000K with CRI>90 have a cyanosis observation index (COI) of 3.3 or less. 0-10V dimming driver standard. LED modules and drivers are replaceable from below. Color accuracy <3 SDCM.

Construction

24 Ga. steel housing. Bottom access 24 Ga. steel driver compartment. Positional brackets supplied as standard. Weight: 16 lbs.

Optic

24 Ga. Steel reflectors finished in matte satin white powder coat. Layered lens system includes .020" thick frosted acrylic and .080" clear acrylic with optical microstructure.

Electrical

Standard 120-277V driver includes 0-10V analog dimming, 100% - 10% range.
Power factor > .9. PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires.

Emergency

Emergency battery output—10 watts for 90 minutes. Maximum mounting height: 23.9ft Emergency Circuit with Connected Solutions (NLT1, ENL1, CLM1, DLM1) requires a UL924 compliant device, consult factory.

Labels

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

Finish

Polyester powder coat applied over a 5-stage pre–treatment.

Lumen Maintenance

Reported: L70 at 42,000 hours   Calculated: L70 at 115,000 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.

Lifetime and warranty

LED system rated for operation in ambient environments up to 35°C. 5-year limited warranty.
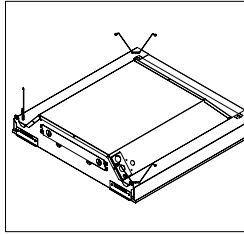
PERFORMANCE CHART

Delivered Lumens	Tested System Watts	LPW
1000	11	94
1500	15	100
2000	20	105
2500	25	102
3000	30	100
3500	37	97
4000	44	94
4500	40	112

Delivered Lumens	Tested System Watts	LPW
5000	46	109
5500	51	108
6000	58	106
6500	61	106
7000	67	104
7500	73	104

Based on 3500K, 80 CRI. Lumen multipliers: Preferred Light = 0.65, 90+ CRI = 0.87.
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

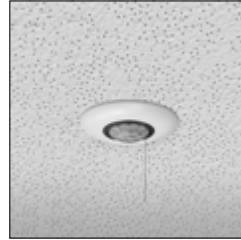|		
Luminaire Series		**FZR**
Zephyr	FZR	
Nominal Size		**14**
1' x 4'	14	
Shielding		**FL**
Frosted Lens	FL	
Lumen Output		_____
1000 Lumens	1000L	
1500 Lumens	1500L	
2000 Lumens	2000L	
2500 Lumens	2500L	
3000 Lumens	3000L	
3500 Lumens	3500L	
4000 Lumens	4000L	
4500 Lumens	4500L	
5000 Lumens	5000L	
5500 Lumens	5500L	
6000 Lumens	6000L	
6500 Lumens	6500L	
7000 Lumens	7000L	
7500 Lumens	7500L	
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	
Circuits		**1C**
Single Circuit	1C	
Voltage		_____
UNV 120/277 Volt	UNV	
347 Volt	347	
(Transformer required for all drivers except LD1. Top access only to transformer. LD1 not available with 1000 Lumen. Not available with SD5.)		
Low Voltage	LV	
Control System & Dimming Level		_____
0-10V - 10% Dimming	LD1	
Low Voltage, PoE compatible	LVN	
(No driver. Not available with EM or EC. LV Voltage only.)		
0-10V - 1% Dimming	L11	
Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming	LH1	
DALI - 1% Dimming	D11	
Step Dimming (120/277 only.)	SD5	
Acuity nLight - 1% Dimming	NLT1	
(Not available with CP.)		
Enlighted Smart Sensor - 1% Dimming	ENL1	
(Remote mounted sensor)		
Encelium CLM Connected Lighting Module - 1% Dimming	CLM1	
(Compatible with Encelium X Light Management System.)		
Wattstopper DLM - 1% Dimming	DLM1	
Mounting		_____
Drywall Frame Kit	F	
(Not available with CLM1, DLM1, ENL1 or NLT1)		
Grid	G	
Slot Tee	ST	
Factory Options		
Air Return	AR	_____
(Housing height 5.78in/146.7mm. Not compatible with Drywall Frame Kit.)		
Chicago Plenum	CP	_____
Emergency Battery	EM	_____
(120/277 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	

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 t he 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, energy usage, temperature and light level control. Communicates wirelessly with the Enlighted network.
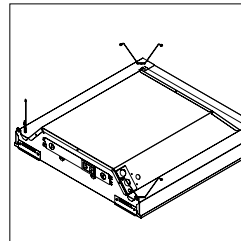
Enlighted Smart Sensor - 1% Dimming (ENL1)
Enlighted Model #SU-5E-IOT

ENCELIUM

Encelium's Connected Lighting Module (CLM) is fully compatible with the Encelium X Light Management System, as well as with 0-10V and DALI based LED drivers to allow for individual luminaire control, including on/off and dimming functionalities, occupancy sensing, and multi-zone daylight harvesting.

Encelium CLM - 1% Dimming (CLM1)
Encelium Model #ZBHA-CLM-DIM-ENC

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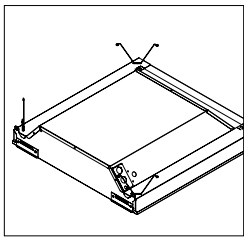
legrand®   WATTSTOPPER®

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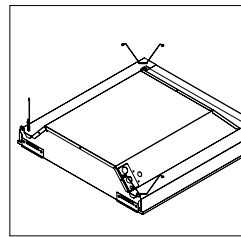
Wattstopper DLM - 1% Dimming (DLM1)
Wattstopper Model #LMFC-011

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	Integrated	Yes	Wireless	**Optotronic by eldoLED,** Advance by Signify
Legrand Wattstopper DLM (DLM1)	LMFC-011**	DLM	DLM	Enabled	Enabled	No	Wired	**Optotronic by eldoLED,** Advance by Signify
Lutron EcoSystem (LH1)	LDE1**	EcoSystem	Quantum, Energi Savr Node, Energi TriPak	Enabled	Enabled	No	Wired	**Lutron Hi-Lume**
Encelium CLM Connected Lighting Module (CLM1)	ZBHA-CLM-DIM-ENC*	ZigBee	Encelium X Light Management System	Enabled	Enabled	No	Wireless	**Optotronic by eldoLED** Advance by Signify

*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.