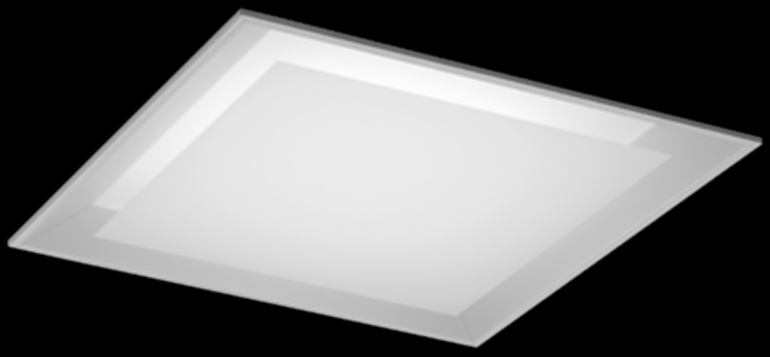
Zephyr® 2x2

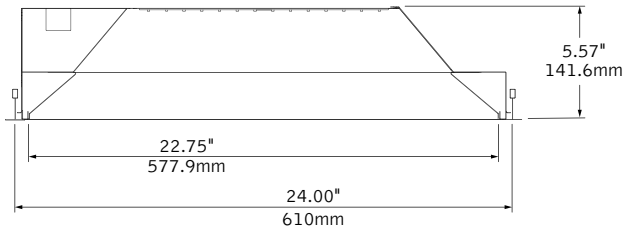
LED

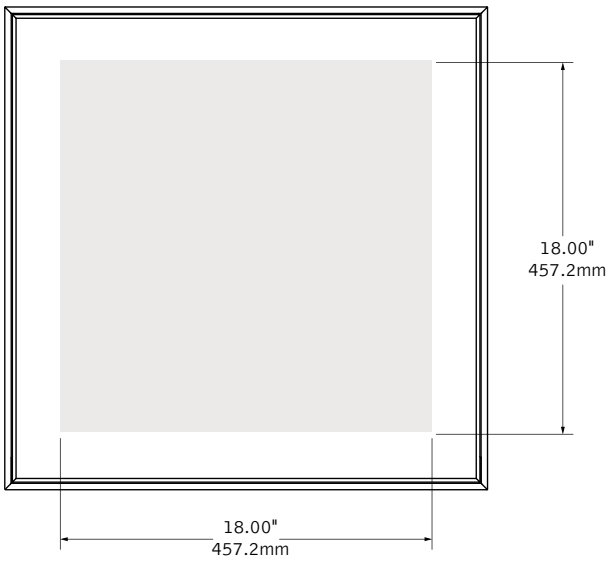
FOCAL POINT®



detail

DIMENSIONAL DATA





FEATURES

Architectural recessed 2'x2' 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.

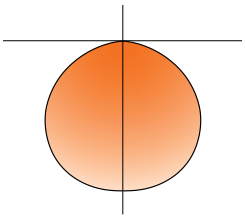
Standard Right Light levels from 1,000 to 5,500 lumens.

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

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



PRODUCT OVERVIEW

Lumen Output:	1000-5500lm
Wattage:	9-48W
LPW:	104-120
SDCM:	3

Delivered Lumens: 3500lm

Total System Watts: 33W

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

fixture: project:

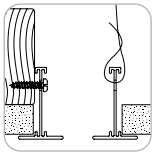
DETAILS

grid

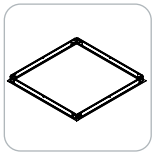
"G" flat tee "ST" slot tee

drywall frame kit

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



Use tie–wire or screws to secure frame kit.



cut out dimensions:
2': Min: 24.25"
Max: 24.563"

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: 14.5 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 (WSPC, WSPS, NLT1, NXE1, WLXP) requires a UL924 compliant device, consult factory. Top access only.

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	9	111
1500	13	116
2000	18	113
2500	23	109
3000	27	111
3500	33	107

Delivered Lumens	Tested System Watts	LPW
4000	39	104
4500	38	120
5000	43	117
5500	48	115

Based on 3500K, 80 CRI. Lumen multipliers:
Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

ORDERING

Luminaire Series		**FZR**
Zephyr	FZR	
Nominal Size		**22**
2' x 2'	22	
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	
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		**1C**
Single Circuit	1C	
Voltage		
UNV 120/277 Volt	UNV	
347 Volt (LD1, WSPC only, Not available with EM)	347	
Low Voltage	LV	
Control System & Dimming Level		
0-10V - 10% Dimming	LD1	
0-10V - 1% Dimming	L11	
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	
Step Dimming (120/277 only.)	SD5	
Wattstopper PLUS: Connected Light Module (0-10V standard. Consult factory for DALI.)	WSPC	
Wattstopper PLUS: SensiLUM Wireless Sensor (Remote mounted sensor. 0-10V standard. Consult factory for DALI.)	WSPS	
Acuity nLight - 1% Dimming (Not available with CP.)	NLT1	
Current NX Enabled – 1% Dimming (Not available with CP.)	NXE1	
WaveLinx Pro – 1% Dimming (Remote mounted sensor.)	WLXP	
Mounting		
Drywall Frame Kit (Not available with WSPC, NXE1 or NLT1)	F	
Grid	G	
Slot Tee	ST	
Factory Options		
Air Return (Housing height 6.07in/154.2mm. Not compatible with Drywall Frame Kit.)	AR	
Chicago Plenum (Not available with flex whip)	CP	
Emergency Battery (120/277 only. Top access only)	EM	
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	

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

CONNECTED® SOLUTIONS

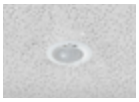
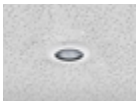
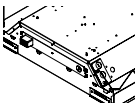
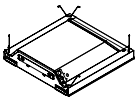
Zephyr® 2x2

LED

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 **bold.** To specify a particular driver please consult factory.)	Driver Type
legrand® WATTSTOPPER®									
	WSPC	EN-ZBHA-CLM-DIM	ZigBee	Wattstopper PLUS	Node	Enabled†	Wireless	**Advance by Signify**	0-10V standard, consult factory for DALI
	WSPS	EN-CLM-PIR-DD-ZB	ZigBee	Wattstopper PLUS	Sensor	Integrated (remote)˚	Wireless	**Advance by Signify**	0-10V standard, consult factory for DALI
COOPER Lighting Solutions									
	WLXP	OEM-WAA	WaveLinx Wireless	WaveLinx Pro Trellix	Sensor	Integrated (remote)˚	Wireless (WaveLinx Pro Wireless Area Controller)	**Advance by Signify**	**0-10V**
Current									
	NXE1	NXFM2-LV	NX	NX Distributed Intelligence	Controller	Enabled†	Wired	**Optotronic by eldoLED**	0-10V
nLIGHT									
	NLT1	nEPS-60-IO	nLight	nLight	Controller	Enabled†	Wired	**eldoLED ECOdrive,** eldoLED SOLOdrive	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.