

PLANE | Architectural Recessed Troffer

Overview

The artful, architectural depth and angles of the PLANE LED troffer series creates dynamic visual appeal while delivering even illumination across the working plane.

Part #:

PLANE | Architectural Recessed Troffer

Lumens:

2'x2':

Max Lumen: 4,320 Lm / 32 W	High Lumen: 2,565 Lm / 19 W	Medium Lumen: 2,565 Lm / 19 W	Low Lumen: 2,160 Lm / 16 W
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2'x4':

Max Lumen: 5,805 Lm / 43 W	High Lumen: 4,860 Lm / 36 W	Medium Lumen: 4,050 Lm / 30 W	Low Lumen: 2,970 Lm / 22 W
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Color:

CCT:
2700K
3000K
3500K
4000K
5000K
Tunable White
Dim to Warm

CRI:
90

Voltage:

Standard:
120-277 V

Dimming:

Standard:
0-10V
Bluetooth
Tunable White

Optional:
Dim to Warm,
Tunable

Lifetime:

Standard:
L70 > 100,000 Hrs.

Operating Temperature:

Standard:
-4°F to 122°F

Finishes:

Plane White

Anti-Bacterial White

Custom color available**

**All custom color requests must be call to order and will affect leadtimes.
Accommodation for RAL color code is available.



PLANE

Architectural Recessed Troffer



Features:

Take flight
Clean, modern design with angled, artful side panels.

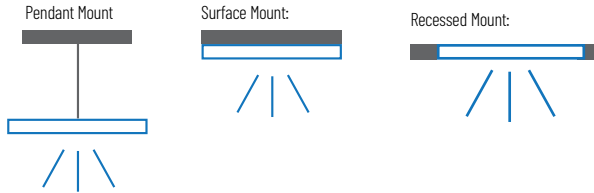
Light weight, engineered design

Optimally engineered to match modern lighting expectations, the PLANE series cuts the unnecessary weight with a focus on design + output.

Low compromise

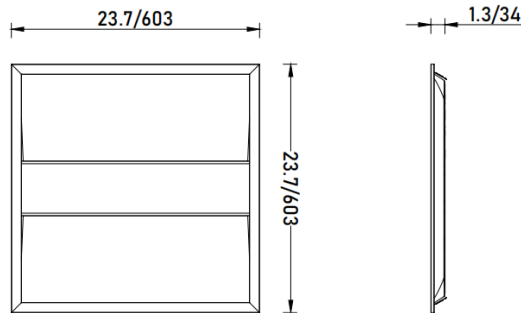
Specification made easier with high-end form, engineered for modern expectations.

Mounting:

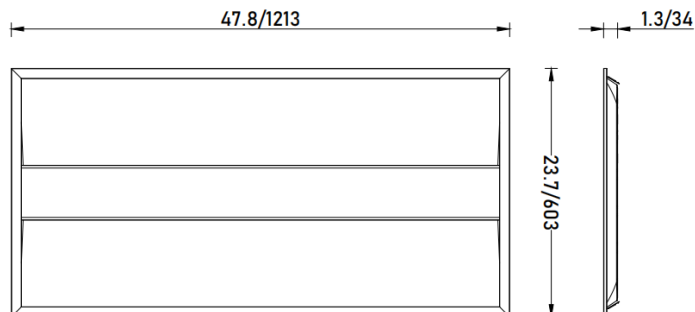


Dimensions:

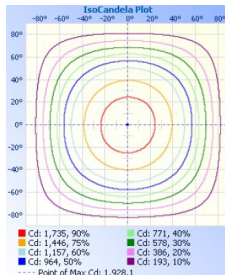
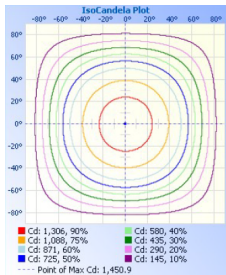
2x2



2x4



Photometrics



PLANE 22 32 W 4000K CCT

PLANE 22 32 W 4000K CCT

Type:	Project:	Submitted by:	Date:
Ordering information:			

PLANE | Architectural Recessed Troffer

Example: PLANE 22 SM 3500 DIM 940K WH

Ordering Guide:
Use the buttons below to build out a product number.

Select one option per numbered section. If a preferred option is not here, please contact your local SPRNG representative for more information.

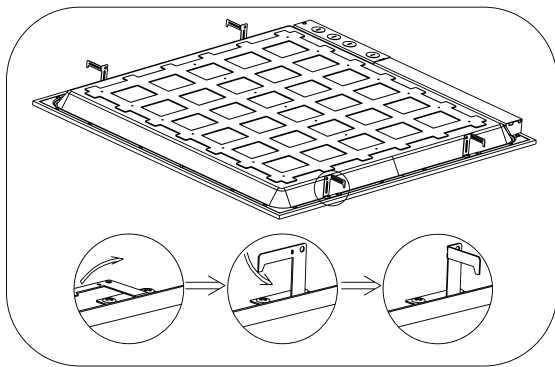
Troffer Body			Output and color			
1 Series	2 Size	3 Mounting	4 Output	5 Voltage	6 Dimming	7 CCT/CRI
PLANE Architectural Recessed Troffer	22 2ft by 2ft 24 2ft by 4ft	S Suspended mount (7ft max). SM* Surface mount to dry wall. RM Recessed mount. *Note: Only compatible with Dry wall ceilings.	4300 4,320 Lumens / 32 Watts (2x2 only) 3500 3,510 Lumens / 26 Watts (2x2 only) 2500 2,565 Lumens / 19 Watts (2x2 only) 2100 2,160 Lumens / 16 Watts (2x2 only) 5800 5,805 Lumens / 43 Watts (2x4 only) 4800 4,860 Lumens / 36 Watts (2x4 only) 4000 4,050 Lumens / 30 Watts (2x4 only) 2900 2,970 Lumens / 22 Watts (2x4 only)	BLANK 120V-277V	DIM 0-10V	927K 90 CRI - 2700K 930K 90 CRI - 3000K 935K 90 CRI - 3500K 940K 90 CRI - 4000K 950K 90 CRI - 5000K 9TW 90 CRI - Tunable White/Bluetooth (2700K - 5000K) 9DTW 90 CRI - Dim to Warm (1800K - 3000K)
Finishing		Emergency Backup	Controls			
8 Finish	9 Emergency Backup	10 Controls				
WH Plane White AMW* Anti-Microbial White RAL color code* *Note: Custom finishes are special order and subject to MOQ and advanced leadtimes. Please consult sales@SPRNGARCH.com for details.	BLANK No Backup EM Integrated, preinstalled 8W emergency backup. Constant power, Title 20.	BLANK No controls SYNC PLUS Bluetooth wireless controls. AVION AVION wireless controls. AUTANI AUTANI wireless controls. PIR Standalone motion sensor. RC Remote control for standalone motion sensor.				

PLANE | Architectural Recessed Troffer

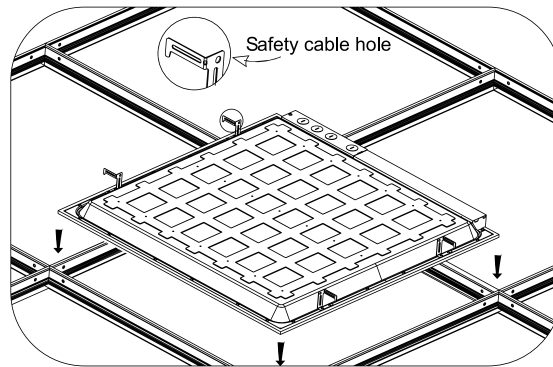
Performance Data

Series Number	Output	Wattage	Lumens	CCT
PLANE 22	Max	32 W	4,320 Lm	2700K 3000K 3500K 4000K 5000K
	High	26 W	3,510 Lm	
	Medium	19 W	2,565 Lm	
	Low	16 W	2,160 Lm	
PLANE 24	Max	43 W	5,805 Lm	
	High	36 W	4,860 Lm	
	Medium	30 W	4,050 Lm	
	Low	22 W	2,970 Lm	

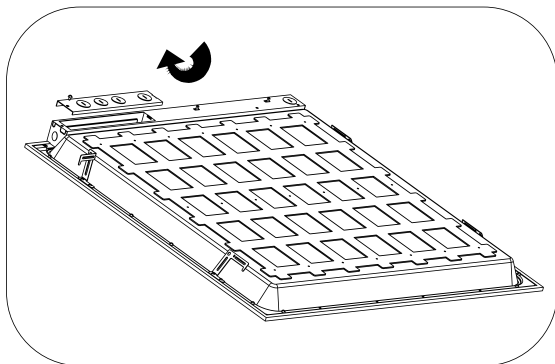
Mounting Overview (Recessed)



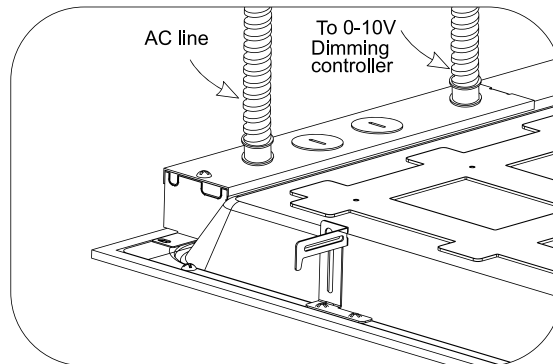
Bend the four mounting clips on the side upward as shown.



Insert fixture into ceiling grid & secure hooks and fixture.



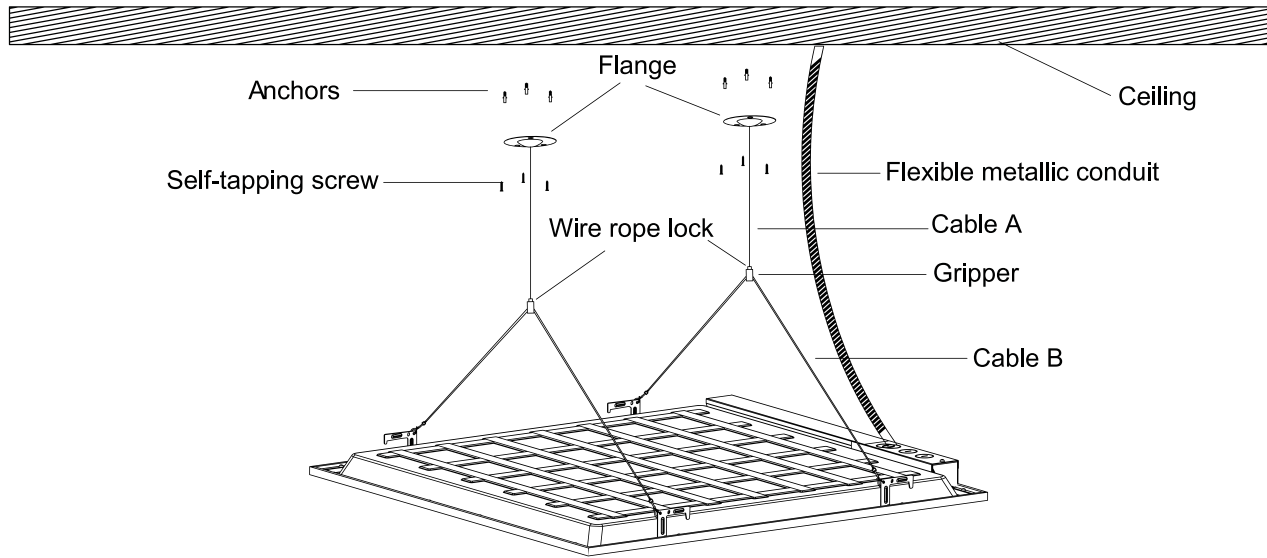
Remove driver cover to remove knockouts for input wires on the plate.



Wire the power and dimming inputs through the knockouts. (Please make sure power is off beforehand!)

PLANE | Architectural Recessed Troffer

Mounting Overview (Suspended)



PLANE | Architectural Recessed Troffer

Controls Overview

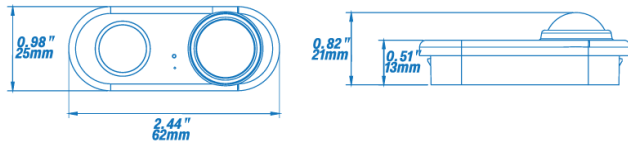


SLG SYNC
Networked Motion Sensor

Specifications

Input Voltage: DC 12V	Sinking Current: 10mA Max	Mounting Height: 18 ft (Max recommended)
Input Current: 25mA Max	Bluetooth Transmit: 100 ft. Max	Dimming: Class 2, 0-10V DC 10mA Max
Input Power: 0.3W	Radio Frequency: 2.4 GHz +- 75 MHz	Operating Temperature: -30°C to 55°C (-22°F to 131°F)
Output Current: 10mA Max	IP Rating: IP20	Warranty: 5 Year Warranty
Output Power: 0.1 W	Detection Range: 40 ft (Max)	

Dimensions



Commission

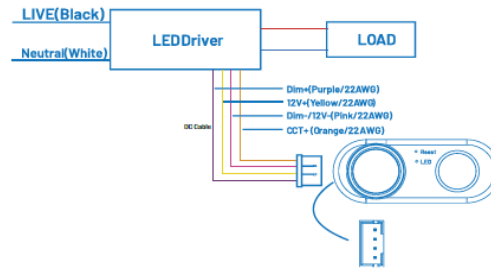
This Bluetooth sensor/controller is easily commissioned via the SLG Sync app, available for download on Google Play and the App Store.

App Download



For commissioning guide and more information visit:
www.slgsync.com

Wiring Diagram



Specifications

Input Voltage: 10-15V DC	Mounting Height: 13 ft (<4m)	IP Rating: IP20
Input Current: <15mA Max	Detection Range: Radius 7-13ft (2-4m)	Operating Temperature: -30°C to 55°C (-22°F to 131°F)
Standby Power: 12V DC @ <0.5W	Detection Angle: Fresnel Lens <360°	Warranty: 5 Year Warranty

Commission

This basic sensor is commissioned via the RC remote. Either pre-commissioned or commissioned on site.

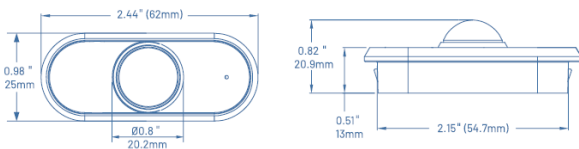


RC

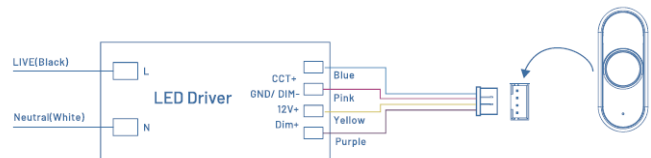


PIR
Standalone Motion Sensor

Dimensions



Wiring Diagram



PLANE | Architectural Recessed Troffer

UGR

		UGR (PLANE 2x2 Troffer (4,300K @ 2700K))									
		Crosswise					Endwise				
Room X	Room Y	70/50/20	70/30/20	50/50/20	50/30/20	30/30/20	70/50/20	70/30/20	50/50/20	50/30/20	30/30/20
2H	2H	16.8	18.4	17.2	18.8	19.1	16.4	18.1	16.8	18.4	18.7
2H	3H	18.6	20.1	19	20.4	20.8	18.1	19.6	18.5	19.9	20.3
2H	4H	19.3	20.7	19.7	21	21.4	18.7	20.1	19.1	20.4	20.8
2H	6H	19.8	21.1	20.2	21.4	21.8	19	20.3	19.5	20.7	21.1
2H	8H	19.9	21.1	20.3	21.5	21.9	19.1	20.4	19.5	20.8	21.2
2H	12H	20	21.2	20.4	21.6	22	19.2	20.4	19.6	20.7	21.2
4H	2H	17.4	18.8	17.8	19.2	19.5	17.1	18.5	17.5	18.8	19.2
4H	3H	19.4	20.6	19.8	21	21.4	19	20.1	19.4	20.5	20.9
4H	4H	20.2	21.3	20.7	21.7	22.1	19.6	20.7	20.1	21.1	21.5
4H	6H	20.8	21.8	21.3	22.2	22.7	20.1	21	20.6	21.5	21.9
4H	8H	21	21.9	21.5	22.3	22.8	20.2	21.1	20.7	21.5	22
4H	12H	21.1	21.9	21.6	22.4	22.9	20.3	21.1	20.8	21.6	22
8H	4H	20.5	21.4	21	21.8	22.3	19.9	20.8	20.4	21.2	21.7
8H	6H	21.2	22	21.7	22.4	22.9	20.5	21.2	21	21.7	22.2
8H	8H	21.5	22.1	22	22.6	23.1	20.7	21.3	21.2	21.8	22.3
8H	12H	21.7	22.3	22.2	22.7	23.3	20.8	21.4	21.3	21.8	22.4
12H	4H	20.5	21.3	21	21.8	22.3	20	20.7	20.4	21.2	21.7
12H	6H	21.3	21.9	21.8	22.4	22.9	20.6	21.2	21.1	21.7	22.2
12H	8H	21.6	22.2	22.1	22.7	23.2	20.8	21.3	21.3	21.8	22.4

		UGR (PLANE 2x2 Troffer (4,300K @ 5000K))									
		Crosswise					Endwise				
Room X	Room Y	70/50/20	70/30/20	50/50/20	50/30/20	30/30/20	70/50/20	70/30/20	50/50/20	50/30/20	30/30/20
2H	2H	16.8	18.4	17.2	18.7	19.1	16.4	18.1	16.8	18.4	18.7
2H	3H	18.6	20.1	19	20.4	20.8	18.1	19.6	18.5	19.9	20.3
2H	4H	19.3	20.7	19.6	21	21.4	18.6	20.1	19	20.4	20.8
2H	6H	19.8	21	20.2	21.4	21.8	19	20.3	19.4	20.7	21.1
2H	8H	19.9	21.1	20.3	21.5	21.9	19.1	20.4	19.5	20.7	21.1
2H	12H	20	21.2	20.4	21.6	22	19.2	20.3	19.6	20.7	21.2
4H	2H	17.4	18.8	17.8	19.1	19.5	17	18.5	17.4	18.8	19.2
4H	3H	19.4	20.6	19.8	21	21.4	18.9	20.1	19.4	20.5	20.9
4H	4H	20.2	21.3	20.6	21.7	22.1	19.6	20.7	20.1	21.1	21.5
4H	6H	20.8	21.7	21.3	22.2	22.6	20.1	21	20.6	21.5	21.9
4H	8H	21	21.9	21.5	22.3	22.8	20.2	21.1	20.7	21.5	22
4H	12H	21.1	21.9	21.6	22.4	22.9	20.3	21.1	20.8	21.5	22
8H	4H	20.5	21.4	21	21.8	22.3	19.9	20.8	20.4	21.2	21.7
8H	6H	21.2	21.9	21.7	22.4	22.9	20.5	21.2	21	21.7	22.2
8H	8H	21.5	22	22.1	22.6	23.1	20.7	21.3	21.2	21.8	22.3
8H	12H	21.7	22.2	22.2	22.7	23.3	20.8	21.3	21.3	21.8	22.4
12H	4H	20.5	21.3	21	21.8	22.3	19.9	20.7	20.4	21.2	21.7
12H	6H	21.3	21.8	21.9	22.4	22.9	20.6	21.2	21.1	21.7	22.2
12H	8H	21.6	22.1	22.2	22.6	23.2	20.8	21.3	21.3	21.8	22.4

PLANE | Architectural Recessed Troffer

UGR

		UGR (PLANE 2x4 Troffer (5,800K @ 2700K))									
		Crosswise					Endwise				
Room X	Room Y	70/50/20	70/30/20	50/50/20	50/30/20	30/30/20	70/50/20	70/30/20	50/50/20	50/30/20	30/30/20
2H	2H	15.4	17	15.8	17.4	17.7	14.9	16.5	15.3	16.8	17.2
2H	3H	17.2	18.7	17.6	19	19.4	16.5	18	16.9	18.4	18.7
2H	4H	17.9	19.3	18.3	19.7	20	17.1	18.5	17.5	18.9	19.2
2H	6H	18.4	19.7	18.8	20.1	20.5	17.5	18.8	17.9	19.1	19.5
2H	8H	18.6	19.8	19	20.2	20.6	17.6	18.8	18	19.2	19.6
2H	12H	18.7	19.9	19.1	20.2	20.7	17.6	18.8	18	19.2	19.6
4H	2H	16	17.4	16.4	17.8	18.1	15.5	16.9	15.9	17.3	17.7
4H	3H	18.1	19.2	18.5	19.6	20	17.4	18.6	17.8	19	19.4
4H	4H	18.9	19.9	19.3	20.3	20.8	18.1	19.2	18.5	19.6	20
4H	6H	19.5	20.4	19.9	20.9	21.3	18.6	19.5	19	19.9	20.4
4H	8H	19.7	20.6	20.1	21	21.5	18.7	19.5	19.1	20	20.5
4H	12H	19.8	20.6	20.3	21.1	21.6	18.7	19.5	19.2	20	20.5
8H	4H	19.1	20	19.6	20.5	20.9	18.4	19.3	18.9	19.7	20.2
8H	6H	19.9	20.6	20.4	21.1	21.6	19	19.7	19.5	20.2	20.7
8H	8H	20.2	20.8	20.7	21.3	21.8	19.2	19.8	19.7	20.3	20.8
8H	12H	20.4	20.9	20.9	21.4	22	19.2	19.8	19.7	20.3	20.9
12H	4H	19.2	20	19.6	20.4	20.9	18.4	19.2	18.9	19.7	20.2
12H	6H	20	20.6	20.5	21.1	21.6	19.1	19.7	19.6	20.2	20.7
12H	8H	20.2	20.8	20.8	21.3	21.9	19.2	19.8	19.7	20.3	20.9

		UGR (PLANE 2x2 Troffer (5,800K @ 5000K))									
		Crosswise					Endwise				
Room X	Room Y	70/50/20	70/30/20	50/50/20	50/30/20	30/30/20	70/50/20	70/30/20	50/50/20	50/30/20	30/30/20
2H	2H	15.5	17.1	15.8	17.4	17.8	15	16.6	15.3	16.9	17.2
2H	3H	17.3	18.8	17.7	19.1	19.5	16.6	18.1	17	18.4	18.8
2H	4H	18	19.4	18.4	19.7	20.1	17.2	18.6	17.6	18.9	19.3
2H	6H	18.5	19.8	18.9	20.2	20.6	17.6	18.9	18	19.2	19.6
2H	8H	18.7	19.9	19.1	20.3	20.7	17.6	18.9	18.1	19.3	19.7
2H	12H	18.8	19.9	19.2	20.3	20.8	17.7	18.9	18.1	19.3	19.7
4H	2H	16.1	17.5	16.5	17.8	18.2	15.6	17	16	17.4	17.8
4H	3H	18.1	19.3	18.6	19.7	20.1	17.5	18.7	17.9	19.1	19.5
4H	4H	19	20	19.4	20.4	20.9	18.2	19.2	18.6	19.7	20.1
4H	6H	19.6	20.5	20	20.9	21.4	18.7	19.6	19.1	20	20.5
4H	8H	19.8	20.7	20.2	21.1	21.6	18.8	19.6	19.2	20.1	20.5
4H	12H	19.9	20.7	20.4	21.2	21.6	18.8	19.6	19.3	20.1	20.6
8H	4H	19.2	20.1	19.7	20.5	21	18.5	19.4	19	19.8	20.3
8H	6H	20	20.7	20.5	21.2	21.7	19.1	19.8	19.6	20.3	20.7
8H	8H	20.3	20.9	20.8	21.4	21.9	19.2	19.9	19.8	20.4	20.9
8H	12H	20.4	21	20.9	21.5	22.1	19.3	19.9	19.8	20.4	21
12H	4H	19.3	20	19.7	20.5	21	18.5	19.3	19	19.8	20.3
12H	6H	20	20.7	20.5	21.1	21.7	19.1	19.8	19.6	20.2	20.8
12H	8H	20.3	20.8	20.9	21.4	22	19.3	19.9	19.8	20.4	21