

# PFX-5308-PENDANT

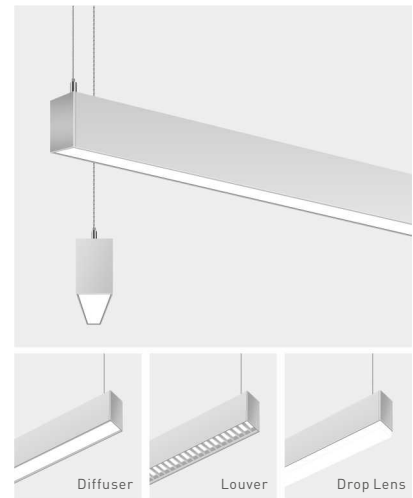
SPEC-GRADE ARCHITECTURAL LED LINEAR LIGHTING



PFX-5308 linear pendant lighting is a unique linear series that brings any space to the center stage. These timeless, streamlined forms blend well with contemporary decors and modern workplaces. These linear luminaries is available in 2ft, 4ft and 8ft, simply provide wide, powerful lighting to any atmosphere with continuous runs. It can provide smooth uplight and downlight, allowing for wider spacing between fixtures and better ceiling light uniformity. Unleash lighting design flexibility with PFX-5308 linear pendant lighting with different shapes and patterns, it adds fun factor into each room. These creations will let you suggest rhythm, communicate meaning and showcase element of life.

## Feature

- 90+ CRI
- 2 lighting distributions by DIP switch
- CCT adjustable and wattage selectable
- Available in diffuser, louver and drop lens
- Individual units or continuous runs
- Custom pattern with optional Line, L, X, T, Y, V joiners
- 2ft, 4ft and 8ft lengths



## PERFORMANCE

Lens	Length	Wattage Selectable	25% UP/75%DOWN		100%DOWN		CCT Adjustable
			Efficacy	Lumen Output	Efficacy	Lumen Output	
Diffuser	2'	20W/15W/10W	850lm/ft	900~1700LM	800m/ft	800~1600LM	3000K/3500K/4000K
	4'	40W/30W/20W		1700~3400LM		1600~3200LM	
	8'	80W/60W/40W		3400~6800LM		3200~6400LM	
Louver	2'	20W/15W/10W	750lm/ft	750~1500LM	700lm/ft	700~1400LM	3000K/3500K/4000K
	4'	40W/30W/20W		1500~3000LM		1400~2800LM	
	8'	80W/60W/40W		3000~6000LM		2800~5600LM	
Drop Lens	2'	20W/15W/10W	1000lm/ft	1000~2000LM	950lm/ft	950~1900LM	3000K/3500K/4000K
	4'	40W/30W/20W		2000~4000LM		1900~3800LM	
	8'	80W/60W/40W		4000~8000LM		3800~7600LM	

\* Check the IES file to gain the accurate data.

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SPEC-GRADE ARCHITECTURAL LED LINEAR LIGHTING



## PRODUCT PERFORMANCE

### Optics

It offers a selection of professional lens such as diffuser, louver and drop lens to meet your different requires.

### Finish

- Extruded aluminum housing.
- Powder coat white and black finish or custom.

### Electrical

**LED Driver** It is powered by Class 2 high efficiency LED driver, with a standard 1-10V dimming which continuous dims to 10% that works with many types of controls. Tested Dimmers: Lutron ® Diva-Dvtv, Leviton ® IP-710-DL.

**THD** <20%

**Power Factor** >0.9

**Input Voltage** Standard electronic drivers are cULus recognized and available for 110-277V or 110-347V\*AC

### Mounting

- Pendant-Dry ceiling or T-Grid ceiling compatible. Cable lengths of 5ft is standard, 12ft or others are available
- Individual or continuous run, up to 40ft in 120V AC, 100ft in 277VAC
- Custom Pattern with optional Line, L, X, T, V, Y joiners.

### LED System

**CRI** Minimum 90 color rendering index

**CCT** CCT adjustable from 3000K, 3500K and 4000K with a great color consistency.

**Environment** Damp rated for ambient operating temperature of -20°C to +40°C (-4° to+104°F)

### Approvals

- cULus listed, suitable for damp locations
- Designed for indoor use only
- 5 years limited warranty

## PRODUCT ORDERING GUIDE

Default Settings :Maximum wattage, 4000K and 100% down.

### Sample

PFX-5308-4 1 - I TW A D

1	2	3	4	5	6	7		
PFX-5308	-		1	-	I	TW	A	D
1	2	3	4	5	6	7		

### 1. Base Model

PFX-5308 Linear Pendant

### 2. Length

2 2 feet  4 4 feet  8 8 feet

### 3. Width

1 1.3 inch

### 4. Driver

I Internal

### 5. CCT

TW CCT adjustable from 3000K, 3500K and 4000K

### 6. Light Distribution

A 2 Lighting Distribution By Dip Switch  
25%Up/75% Down, 100% Down

### 7. Optics Options

D Diffuser  L Louver \*  C Drop Lens \*

## OPTIONAL ORDERING GUIDE

### Ceiling Type

- Dry Wall (Mount to J-box)
- Drop Ceiling Clips (Suitable for 9/16" and 15/16" Flat Ceiling)
- Drop Ceiling Clips (Suitable for 9/16" Slot Ceiling)
- Drop Ceiling Clips (Suitable for 15/16" Slot Ceiling) \*

### Power Cord Length And Aircraft cable

- 5 ft white power cord + 5ft aircraft cable
- 5 ft black power cord + 5ft aircraft cable
- 12 ft white power cord + 12ft aircraft cable
- 12 ft black power cord + 12ft aircraft cable

### Canopy

**Finish:**  White  Black

**Type:**  1.6" Round  4.5" Round (Designed for power cable)

1.6" Square  4.5" Square (Designed for power cable)

5.8" Round With Occupancy Sensor (Power Feed)

### Joiner

- Line Joiner  Rolling Diffuser (42")  X" Joiner
- "Y" Joiner  "L" Joiner  "V" Joiner \*
- "T" Joiner

### Optional Functions

- LED Emergency Driver (Order Separated)
- Occupancy Sensor (Order Separated)

\*Additional cost and/or lead time on customized fixtures may apply. Some fixtures require an MOQ. Please contact your sales rep for more information.

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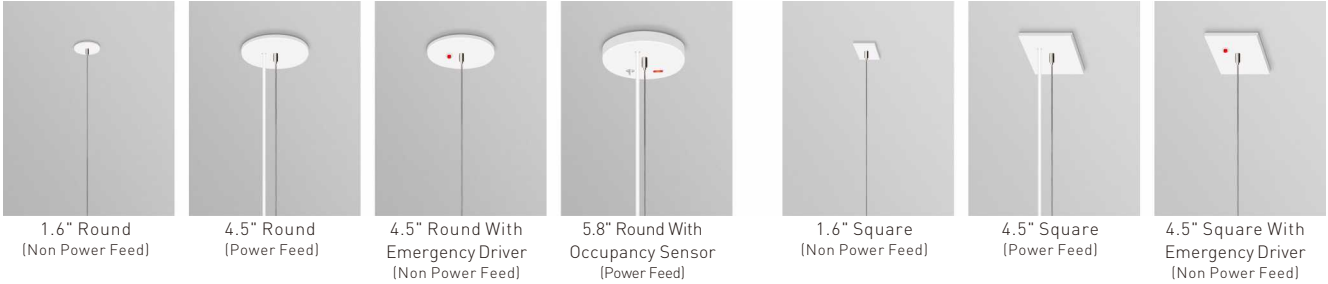
# PFX-5308-PENDANT

SPEC-GRADE ARCHITECTURAL LED LINEAR LIGHTING



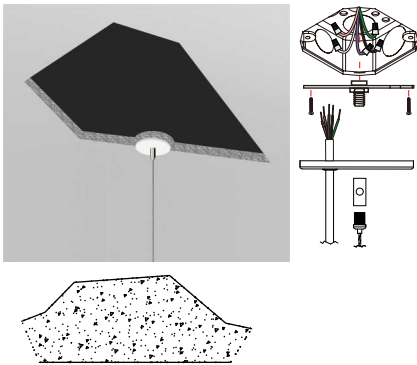
## MOUNTING

### Canopy Style



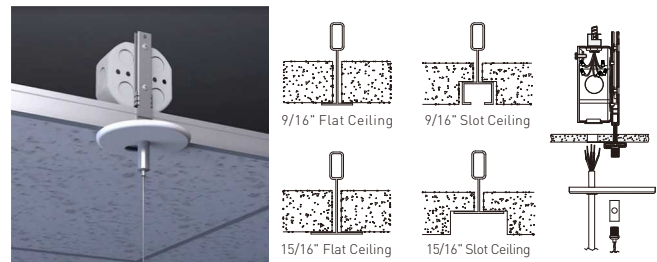
## Dry Ceiling / Off Grid

"Various Hard Ceilings" (Mount to J-box)



## Drop Ceiling / On Grid

Suspending the luminaire in the T-grid. Compatible for various T-grid, including 9/16" Flat, 9/16" Slot, 15/16" Flat.



\*Please see the installation instruction for more

## Pendant Accessories For Dry Ceiling

### Canopy Kits



### Power Cord Kits



### Aircraft Cable Kits



## Pendant Accessories For Drop Ceiling

### Canopy Kits



### Power Cord Kits



### Junction Box



### Aircraft Cable Kits



### T-grid Clips



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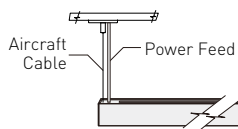


## Standard Line Runs In 120v

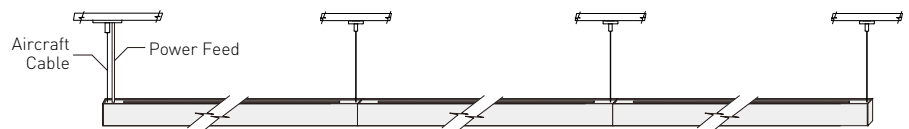
Luminaire Run Length (ft)	Run Configuration	Line Joiner	5' Power Cable	5' Aircraft Cable	Canopy
2	2'	-	1	2	2
4	4'	-	1	2	2
6	4'+2'	1	1	3	3
8	8'	-	1	2	2
10	8'+2'	1	1	3	3
12	8'+4'	1	1	3	3
14	8'+4'+2'	2	1	4	4
16	8'+8'	1	1	3	3
18	8'+8'+2'	2	1	4	4
20	8'+8'+4'	2	1	4	4
22	8'+8'+4'+2'	3	1	5	5
24	8'+8'+8'	2	1	4	4
26	8'+8'+8'+2'	3	1	5	5
28	8'+8'+8'+4'	3	1	5	5
30	8'+8'+8'+4'+2'	4	1	6	6
32	8'+8'+8'+8'	3	1	5	5
34	8'+8'+8'+8'+2'	4	1	6	6
36	8'+8'+8'+8'+4'	4	1	6	6
38	8'+8'+8'+8'+4'+2'	5	1	7	7
40	8'+8'+8'+8'+8'	4	1	6	6
42	8'+8'+8'+8'+8'+2'	5	2	7	7

Note: 4.5" canopy is designed for power cable

### Individual



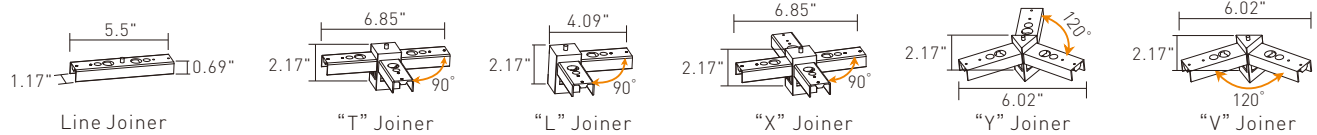
### Continuous Run



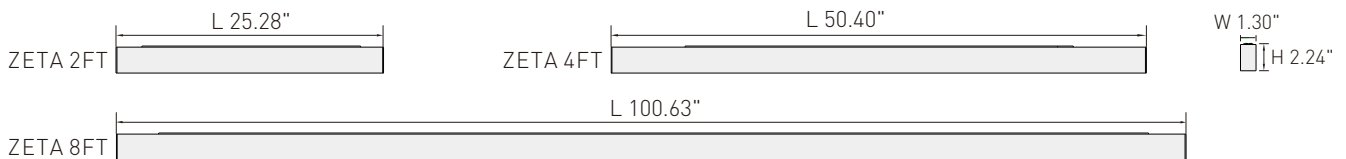
120VAC: Connections up to 40ft.

277VAC: Connections up to 100ft.

### Custom Pattern With Joiners



### DIMENSIONS



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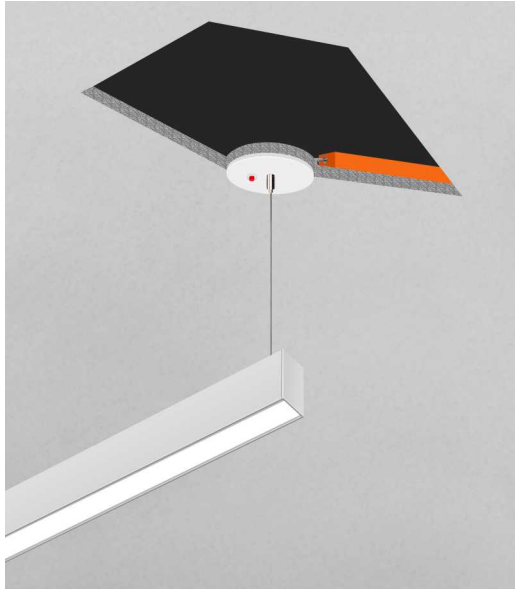
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## OPTIONAL FUNCTION

### ► Emergency Option

Paraflex Lighting offers UL& CEC Listed LED emergency drivers. When AC power fails it, immediately switches to the emergency mode operating for lighting minimum 90 minutes. When AC power is restored it, automatically returns to the charging mode which meets critical life-safety lighting requirements.



### Order Separated LED emergency driver

Optional 8w or 25w high voltage LED emergency driver can be provided if you need and do it wiring in field. For more info or spec sheet please visit our website or



### Code-Required Testing

- Initial Self-Test After Installation

It will perform a functional test in 3 seconds after the driver installed to check the wiring and battery output when work. The indicator LED will be off or flicker

- Second Self-Test In 120 Minutes

It will perform second test in 120 minutes to check again. Upgrade in Gen 3: Repeat 4 times in every 120 minutes if fail in the second test.

- Monthly Self-Test

It will automatically perform a test every 30 days with a duration of 3 seconds, in which the wiring and battery output are checked. In case of a failure or an error, the indicator LED will be off or flicker.

### ► Occupancy Sensor



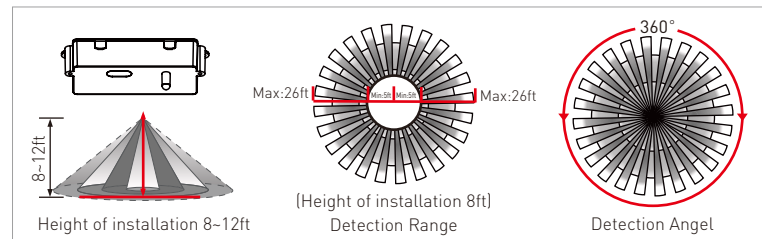
We can provide a factory-installed integrated sensor system for multi-level control based on motion and/or daylight contribution with BRI810-B-D level & daylight harvest



### Specification

Power Supply	120/277 VAC 50/60Hz
Maximum load @ -40°F~+158°F (-40°C~+70°C)	Resistive/ Tungsten-600W@120V Electronic Ballast(LED)-800VA@120V/1200VA@277V
HF System	5.8GHz CW
Dim Control Output	0-10V, max.25mA sinking current
Detection Radius/angle	Max 26ft.18m/360
Mounting Height	Max 12ft
Humidity	Max.95% RH
Temperature	-40°F~+158°F [-40°C~+70°C]

### Sensor Coverage



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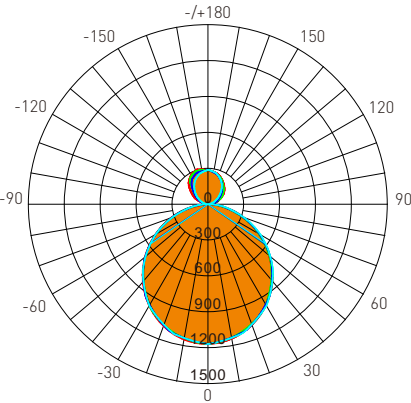
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## DISTRIBUTION DIAGRAM

4'/Diffuser/25% Up,75% Down/4000K



AVERAGE BEAM ANGLE(50%): 110.6°

Lumens: 3988.37 Lm  
Watts: 40 W  
LPW: 95.24 Lm/W  
CCT: 4000K

UNIT: cd  
— C0/180, 110.5°  
— C30/270, 110.0°  
— C60/240, 110.7°  
— C90/270, 111.1°

### Zonal Flux Diagram

τ	C0	C45	C90	C135	C180
5	1161	1153	1152	1155	1164
10	1143	1132	1135	1136	1149
15	1113	1105	1118	1111	1122
20	1074	1075	1072	1082	1085
25	1025	1022	1025	1031	1038
30	967.0	962.6	979.2	973.0	982.2
35	901.2	901.1	909.2	913.3	918.5
40	828.7	835.1	839.2	832.5	847.7
45	750.3	752.6	769.3	667.9	770.7
50	666.2	669.8	682.1	530.6	687.8
55	577.9	587.1	594.9	428.2	600.2
60	485.9	490.2	507.8	343.0	508.6
65	390.8	395.5	411.5	265.1	414.4
70	295.6	302.0	315.1	196.2	319.2
75	203.8	209.1	218.8	135.3	216.6
80	116.8	123.2	146.5	79.88	73.23
85	41.84	62.64	74.14	40.19	23.29
90	2.992	3.212	1.821	1.957	1.958
95	4.106	18.65	10.98	14.65	1.139
100	18.52	34.76	20.13	28.05	10.79
105	40.60	62.17	29.29	55.27	44.13
110	73.56	89.60	48.53	83.83	83.85
115	121.2	110.1	67.77	110.3	124.3
120	144.1	127.3	87.00	137.9	146.4
125	165.4	145.1	110.7	167.9	172.6
130	181.9	161.8	134.3	191.6	201.7
135	197.1	179.0	158.0	216.4	229.4
140	211.4	197.4	180.1	240.0	251.8
145	225.1	213.2	202.3	255.6	268.4
150	238.9	228.6	224.4	269.9	286.9
155	252.7	244.2	239.9	283.5	292.6
160	264.3	257.7	255.4	292.9	301.3
165	272.5	265.0	270.9	293.2	302.1
170	278.2	272.6	277.0	292.1	295.6
175	283.7	280.6	283.1	289.8	284.5
180	289.2	289.2	289.2	289.2	286.8
DEG	LUMINOUS INTENSITY:cd				

### Zonal Lumens

τ	φ total
0-5	27.74
5-10	109.7
10-15	243.0
15-20	423.2
20-25	643.4
25-30	896.1
30-35	1173
35-40	1463
40-45	1755
45-50	2038
50-55	2302
55-60	2540
60-65	2746
65-70	2914
70-75	3040
75-80	3125
80-85	3173
85-90	3189
90-95	3193
95-100	3203
100-105	3222
105-110	3253
110-115	3296
115-120	3348
120-125	3408
125-130	3474
130-135	3545
135-140	3619
140-145	3692
145-150	3762
150-155	3826
155-160	3881
160-165	3962
165-170	3959
170-175	3979
175-180	3986
	UNIT: lm

### Luminance cd/(m2)

G( DEG)	C0/180	C90/270
85	11429	20254
80	16017	20082
75	18749	20126
70	20578	21937
65	22015	23181
60	23138	24181
55	23988	24697
50	24678	25266
45	25264	25902

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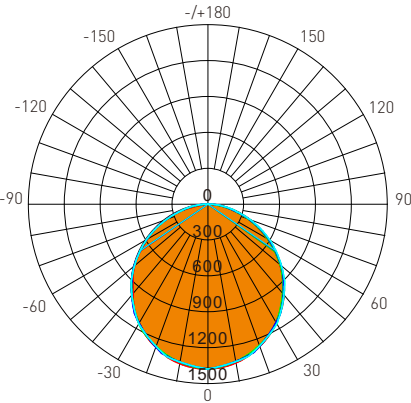
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## DISTRIBUTION DIAGRAM

4'/Diffuser/100% Down/4000K



AVERAGE BEAM ANGLE(50%): 110.4°

Lumens: 3771.05 Lm  
Watts: 40 W  
LPW: 89.39 Lm/W  
CCT: 4000K

UNIT: cd  
 - C0/180, 109.7°  
 - C30/270, 110.0°  
 - C60/240, 110.7°  
 - C90/270, 111.1°

Zonal Flux Diagram

τ	C0	C45	C90	C135	C180
5	1369	1359	1357	1361	1373
10	1347	1334	1337	1336	1354
15	1313	1303	1316	1299	1323
20	1266	1267	1262	1247	1272
25	1208	1205	1208	1186	1219
30	1140	1135	1154	1122	1153
35	1062	1062	1071	1050	1072
40	976.4	983.8	988.8	957.6	974.4
45	883.7	886.6	906.5	783.1	888.6
50	784.8	789.2	803.8	626.2	801.2
55	680.4	691.8	701.2	502.2	690.3
60	571.8	577.8	598.6	404.1	585.1
65	460.1	466.6	485.1	314.0	479.4
70	348.3	356.3	371.6	233.5	367.7
75	239.5	247.0	258.1	160.0	249.3
80	136.7	145.7	172.8	93.10	83.41
85	48.16	74.26	87.56	46.56	25.93
90	2.283	4.164	2.321	1.715	1.697
95	5.970	4.673	2.367	2.337	0.3687
100	5.849	5.182	2.414	2.964	0.5275
105	6.116	5.362	2.460	3.700	0.6953
110	6.410	5.514	2.778	4.412	0.9148
115	6.513	5.754	3.095	4.988	1.181
120	6.695	6.041	3.413	5.559	1.409
125	6.718	6.259	3.696	6.234	1.652
130	6.531	6.176	3.978	6.039	1.886
135	6.339	6.021	4.261	5.881	2.124
140	6.017	5.736	4.464	5.996	2.348
145	5.489	5.455	4.667	6.071	0.553
150	4.784	5.106	4.869	5.956	2.759
155	4.103	4.691	4.900	5.660	2.922
160	3.706	4.330	4.931	5.248	3.076
165	3.646	4.055	4.961	4.881	3.212
170	3.768	4.052	4.738	4.666	3.347
175	3.927	4.171	4.514	4.455	3.389
180	4.290	4.290	4.290	4.290	3.431
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

τ	φ total
0-5	32.69
5-10	129.3
10-15	286.3
15-20	498.3
20-25	757.0
25-30	1054
30-35	1379
35-40	1719
40-45	2062
45-50	2396
50-55	2707
55-60	2987
60-65	3229
65-70	3427
70-75	3576
75-80	3676
80-85	3732
85-90	3751
90-95	3752
95-100	3753
100-105	3754
105-110	3756
110-115	3757
115-120	3759
120-125	3761
125-130	3762
130-135	3764
135-140	3765
140-145	3767
145-150	3768
150-155	3769
155-160	3770
160-165	3770
165-170	3771
170-175	3771
175-180	3771
	UNIT: lm

Luminance cd/(m2)

G( DEG)	C0/180	C90/270
85	13157	23921
80	18739	23694
75	22034	23739
70	24246	25866
65	25919	27328
60	27229	28503
55	28242	29107
50	29070	29775
45	29757	30523

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