

# ZETA 2.3" - Pendant

Spec-grade | Architectural LED Linear Lighting



OKT ZETA series 2.3" 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, 3ft, 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 ZETA 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.

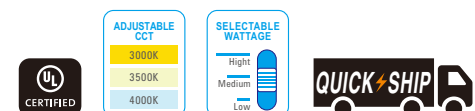
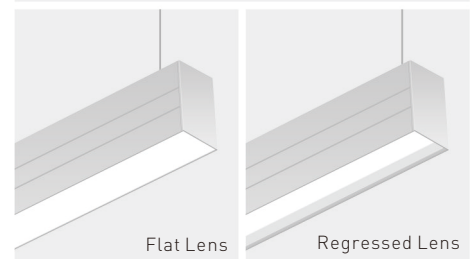
## Feature

- Wattage selectable (50%/75%/100%)
- CCT adjustable from 3000K, 3500K, 4000K
- Available in flat lens and regressed lens
- Individual units or continuous runs
- Custom pattern with optional Line and Illuminated L joiners.
- Available in 2ft, 3ft, 4ft and 8ft, up to 1000lm/ft

## PERFORMANCE

Lens	Lumen Package For 100% Down		
	High	Medium	Low
Flat Lens	1000lm/ft, 10w/ft	750lm/ft, 7.5w/ft	500lm/ft, 5w/ft
Regressed Lens	800lm/ft, 10w/ft	600lm/ft, 7.5w/ft	400lm/ft, 5w/ft

Above are subject to 3500K. All efficacy is  $\pm 5\%$  base on different CCT. Check the IES file to gain the accurate data.



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## PRODUCT PERFORMANCE

### ► Optics

Fully- uniform flat lens or regressed lens, provide uniform, low-glare illumination to create a clean, modern environment.

### ► Finish

Extruded aluminum housing with powder coat white or black.

### ► 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.
- Custom pattern with optional Line and Illuminated L joiners.

### ► LED System

CRI	Minimum 80 color rendering index.
CCT	CCT adjustable from 3000K,3500K and 4000K.
Environment	Damp rated in operating ambient temperatures of -20~40°C.

### ► Approvals

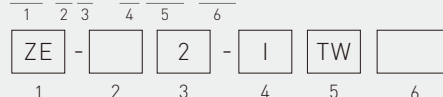
- cULus listed for damp locations.
- 5 years limited warranty.

## PRODUCT ORDERING GUIDE

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

### Sample

ZE-4 2 - I TW RD



### 1. Base Model

ZE ZETA

### 2. Length

2 2 feet  4 4 feet  
 3 3 feet  8 8 feet

### 3. Width

2 2.3 inch

### 4. Driver

I Internal

### 5. CCT

TW CCT Adjustable (3000K,3500K,4000K)

### 6. Optics Options

RD Flat Lens  RT Regressed 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 Options

- Illuminated "L" Joiner  "—" Joiner
- 42' Continuous rolling lens

### Optional Functions

- Emergency LED 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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## MOUNTING

### Canopy Style



1.6" Round  
(Non Power Feed)

4.5" Round  
(Power Feed)

4.5" Round With  
Emergency Driver  
(Non Power Feed)

5.8" Round With  
Occupancy Sensor  
(Power Feed)

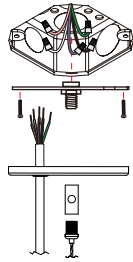
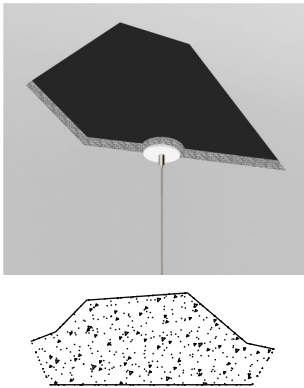
1.6" Square  
(Non Power Feed)

4.5" Square  
(Power Feed)

4.5" Square With  
Emergency Driver  
(Non Power Feed)

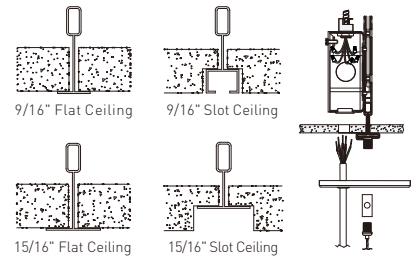
### Dry Ceiling / Off Grid

"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 details.

### Pendant Accessories For Dry Ceiling

#### Canopy Kits



#### Power Cord Kits



#### Aircraft Cable Kits



### Pendant Accessories For Drop Ceiling

#### Canopy Kits



#### Power Cord Kits



#### T-grid Clips



#### Junction Box



#### Aircraft Cable Kits



# ZETA 2.3"- Pendant

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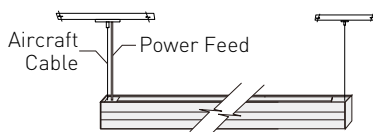


## Standard Line Runs In 120V

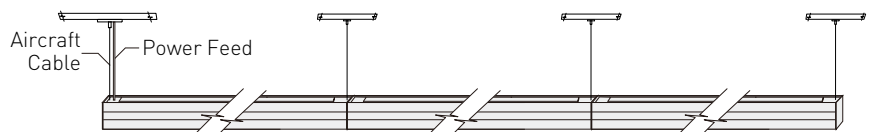
Luminaire Run Length (ft)	Run Configuration	Line Joiner	5' Power Cable	5' Aircraft Cable	Canopy
2	2'	-	1	2	2
4	4'	-	1	2	2
6	4'+2'	1	1	3	3
8	8'	-	1	2	2
10	8'+2'	1	1	3	3
12	8'+4'	1	1	3	3
14	8'+4'+2'	2	1	4	4
16	8'+8'	1	1	3	3
18	8'+8'+2'	2	1	4	4
20	8'+8'+4'	2	1	4	4
22	8'+8'+4'+2'	3	1	5	5
24	8'+8'+8'	2	1	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

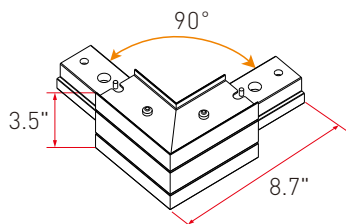


### Continuous Run

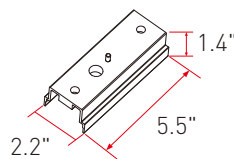


120VAC: Connections up to 40ft.  
277VAC: Connections up to 100ft.

### Joiner Options



Illuminated "L" Joiner



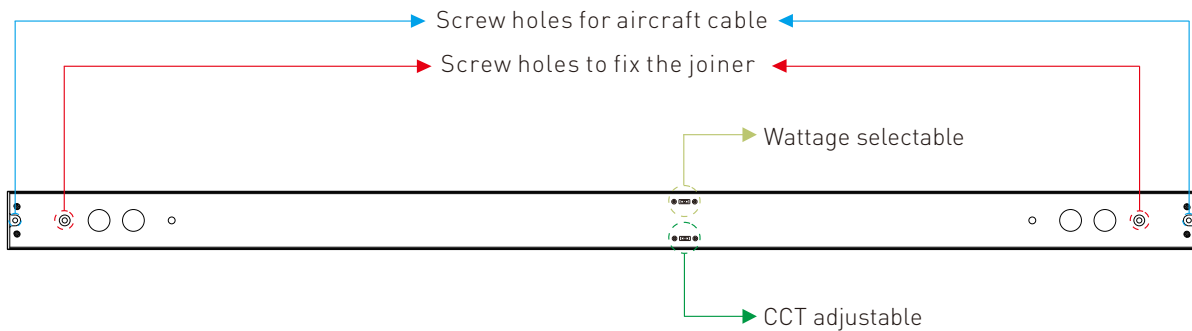
"-" pattern

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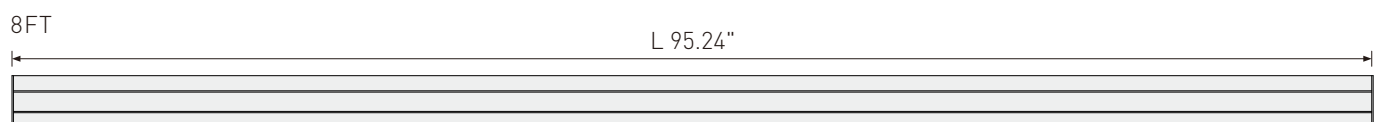
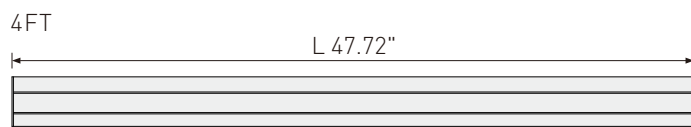
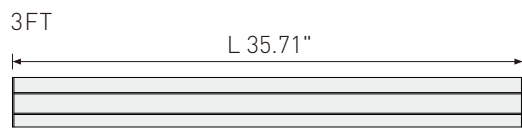
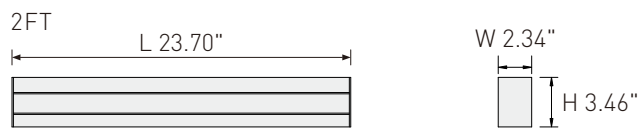
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## Mounting Location



## DIMENSIONS



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## OPTIONAL FUNCTION

### ► Emergency Option

OKT 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 contact sales.



### 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 in case of a failure or an error.

- 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



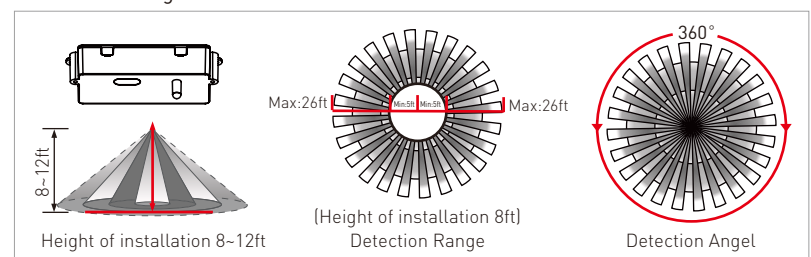
We can provide a factory-installed integrated sensor system for multi-level control based on motion and/or daylight contribution with BRI810-B-D level & daylight harvest microwave sensor from SHARKWARD. For more info or spec sheet, please contact sales.



### 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.(8m)/360
Mounting Height	Max 12ft
Humidity	Max.95% RH
Temperature	-40°F~+158°F (-40°C~+70°C)

### Sensor Coverage



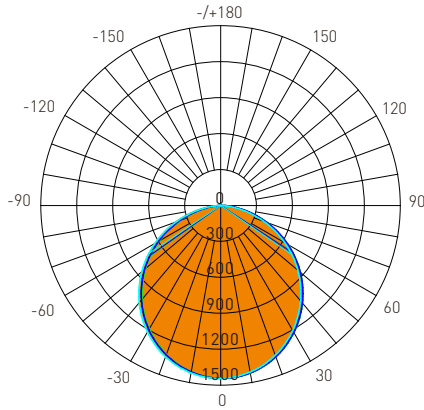
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## DISTRIBUTION DIAGRAM

4' / Flat Lens / 3500K



AVERAGE BEAM ANGLE(50%): 111.3°

Test Number: ZE-42-ITWRD  
 Lumens: 4069.1 Lms  
 Watts: 39.05 W  
 LPW: 104.21 Lm/W  
 CCT: 3500K

UNIT: cd  
 C0/180, 110.8°  
 C30/210, 111.1°  
 C60/240, 111.6°  
 C90/270, 111.7°

Zonal Flux Diagram

τ	C0	C45	C90	C135	C180
10	1418	1421	1412	1398	1411
20	1340	1346	1331	1303	1327
30	1215	1225	1204	1164	1195
40	1049	1064	1038	988.4	1026
50	852.4	870.0	840.6	783.6	826.6
60	629.7	649.8	617.5	555.5	603.1
70	391.9	412.3	377.6	316.3	365.5
80	162.5	178.2	145.8	98.44	139.5
90	2.417	8.146	0.2768	0.4688	0.9405
100	0.5822	0.5917	0.6472	0.7610	0.6802
110	1.012	1.048	1.172	1.246	1.138
120	1.530	1.577	1.753	1.778	1.633
130	2.021	2.104	2.307	2.298	2.124
140	2.524	2.612	2.799	2.780	2.595
150	3.936	3.052	3.178	3.148	3.016
160	3.376	3.422	3.497	3.478	3.442
170	3.769	3.686	3.712	3.724	3.716
180	3.894	3.751	3.759	3.755	3.904
DEG	LUMINOUS INTENSITY:cd				

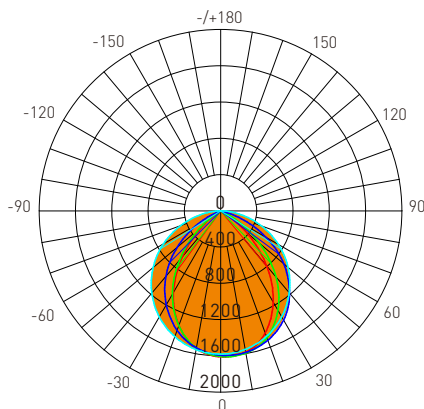
Zonal Lumens

τ	φ total
0-10	136.4
10-20	526.2
20-30	1115
30-40	1822
40-50	2553
50-60	3211
60-70	3708
70-80	3986
80-90	4058
90-100	4059
100-110	4060
110-120	4061
120-130	4063
130-140	4064
140-150	4066
150-160	4068
160-170	4069
170-180	4069
	UNIT: lm

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	10884	8777
80	13119	11617
75	14803	13683
70	16064	15274
65	16980	16310
60	17655	17084
55	18170	17649
50	18591	18090
45	18924	18435

4' / Regressed Lens / 3500K



AVERAGE BEAM ANGLE(50%): 92.7°

Test Number: ZE-42-ITWRD  
 Lumens: 3185.1 Lms  
 Watts: 39.18 W  
 LPW: 81.30 Lm/W  
 CCT: 3500K

UNIT: cd  
 C0/180, 75.9°  
 C30/210, 81.3°  
 C60/240, 98.3°  
 C90/270, 115.4°

Zonal Flux Diagram

τ	C0	C45	C90	C135	C180
10	1583	1593	1552	1494	1546
20	1434	1513	1475	1304	1347
30	1163	1339	1349	1044	1044
40	790.0	1073	1178	714.1	652.8
50	382.2	734.4	972.0	357.8	253.6
60	60.93	354.3	733.4	66.49	9.481
70	3.607	50.38	472.8	3.429	1.964
80	1.129	3.391	209.4	1.111	0.5673
90	0.2172	0.8545	0.4901	0.1488	0.1127
100	0.1263	0.1488	0.6813	0.2888	0.1309
110	0.1532	0.3044	1.232	0.7484	0.2482
120	0.4461	0.7326	1.867	1.429	0.6274
130	1.000	1.326	2.485	2.185	1.259
140	1.740	2.047	2.990	2.888	2.048
150	2.579	2.800	3.400	3.436	2.864
160	3.454	3.432	3.725	3.853	3.604
170	4.080	3.887	3.937	4.115	4.176
180	4.329	4.088	3.973	4.031	4.324
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

τ	φ total
0-10	150.3
10-20	574.1
20-30	1189
30-40	1871
40-50	2474
50-60	2884
60-70	3092
70-80	3165
80-90	3176
90-100	3176
100-110	3177
110-120	3178
120-130	3179
130-140	3180
140-150	3182
150-160	3184
160-170	3185
170-180	3185
	UNIT: lm

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	91	14627
80	90	16749
75	110	18232
70	146	19198
65	212	19878
60	1692	20373
55	4751	20732
50	8259	21002
45	11457	21208