

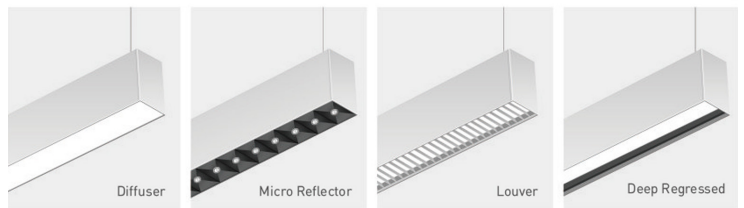
# LED LINEAR LIGHTING

## PQ-LIOZ

LIOZ 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 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.



Pendant



Diffuser

Micro Reflector

Louver

Deep Regressed



Wall Mount

**CCT Ajustable**

- 3000K
- 3500K
- 4000K

**Selectable WATTAGE**

- High
- Medium
- Low

### LED LINEAR LIGHTING

| MODEL   | SELECTABLE WATTAGE | CCT AJUSTABLE           | OPTICS  | LENGTH                               | OPTIONS   |
|---------|--------------------|-------------------------|---|--------------------------------------|---|
| PQ-LIOZ | 50%<br>75%<br>100% | 3000K<br>3500K<br>4000K | Diffuser<br>Micro Reflector<br>Louver<br>Deep Regressed<br>Lens | 2 feet<br>3 feet<br>4 feet<br>8 feet | Drop Ceiling Clips<br>Power Cord + Aircraft Cable<br>Canopy<br>Joiner<br>Occupancy Sensor<br>Emergency Option |

### CERTIFICATION



# LED LINEAR LIGHTING

PQ-LIOZ

| SPECIFICATIONS                    |  |
|-----------------------------------|--|
| Input Voltage                     | 110-277V / 110-347V (Optional)                               |
| Power Tunable                     | 50% / 75% / 100%   |
| Color Temperature Adjustable CCTK | 3000K / 3500K / 4000K  |
| LED Driver                        | Class 2  |
| Dimmable                          | 1-10V  |
| THD                               | <20%   |
| Power Factor                      | >0.9   |
| CRI                               | 80   |
| Operating Temperature             | -20°C to +40°C (-4° to +104°F)                               |
| Optics                            | Diffuser<br>Louver<br>Micro Reflector<br>Deep Regressed lens |
| Housing                           | Extruded aluminum  |
| Finish                            | Powder coat white and black / Custom                         |
| Certification                     | cULus  |
| Warranty                          | 5 years  |

## OPTICS PERFORMANCE

| Lens            | Lumen Package    |                   |                 |
|-----------------|------------------|-------------------|-----------------|
|                 | High             | Medium            | Low             |
| Diffuser        | 1150lm/ft,10w/ft | 860lm/ft, 7.5w/ft | 575lm/ft, 5w/ft |
| Louver          | 900lm/ft,10w/ft  | 675lm/ft,7.5w/ft  | 450lm/ft, 5w/ft |
| Micro Reflector | 1150lm/ft,10w/ft | 860lm/ft,7.5w/ft  | 575lm/ft, 5w/ft |
| Deep Regressed  | 950lm/ft,10w/ft  | 710lm/ft,7.5w/ft  | 475lm/ft, 5w/ft |

◦ Remark:

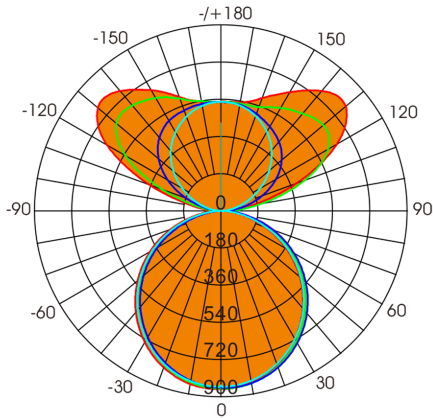
Micro reflector is single CCT, rather than CCT adjustable.3500K and 4000K are available Quickship service. Above are subject to 3500K. All efficacy is ±5% base on different CCT.

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## DISTRIBUTION DIAGRAM

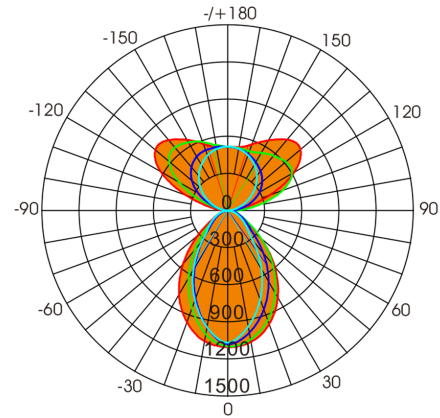
**4'/ Diffuser/50% Up,50% Down/ 4000K**



AVERAGE BEAM ANGLE(50%): 360.0°

Test Number: ZE-42-I40AD      UNIT: cd  
 Lumens: 4739.1 Lm              — C0/180, 360°  
 Watts: 40 W                      — C30/270, 360°  
 LPW: 118.48 Lm/W            — C60/240, 360°  
 CCT: 4000K                    — C90/270, 360°

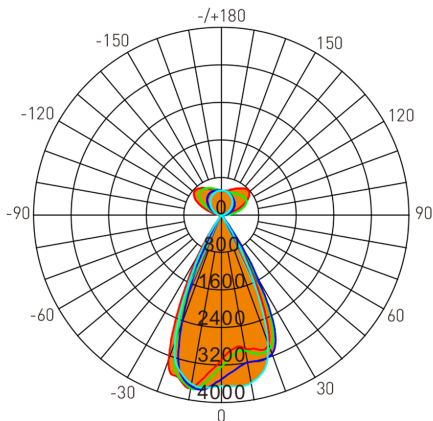
**4'/Louver/50% Up,50% Down/ 4000K**



AVERAGE BEAM ANGLE(50%): 191.7°

Test Number: ZE-42-I40AL      UNIT: cd  
 Lumens: 3865.5 Lm              — C0/180, 324.8°  
 Watts: 40 W                      — C30/270, 314.8°  
 LPW: 96.64 Lm/W              — C60/240, 65.6°  
 CCT: 4000K                    — C90/270, 61.7°

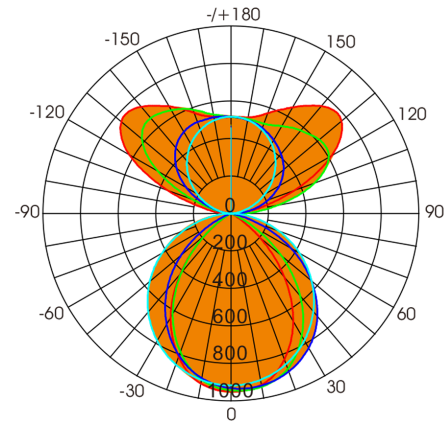
**4'/Micro Reflector/50% Up,50% Down/ 4000K**



AVERAGE BEAM ANGLE(50%): 51.1°

Test Number: ZE-42-I40AR      UNIT: cd  
 Lumens: 4530.0 Lm              — C0/180, 51.8°  
 Watts: 40 W                      — C30/270, 51.9°  
 LPW: 113.25 Lm/W            — C60/240, 51.1°  
 CCT: 4000K                    — C90/270, 49.5°

**4'/Deep Regressed/50% Up,50% Down/ 4000K**



AVERAGE BEAM ANGLE(50%): 360.0°

Test Number: ZE-42-I40AT      UNIT: cd  
 Lumens: 4070.6 Lm              — C0/180, 360°  
 Watts: 40 W                      — C30/270, 360°  
 LPW: 101.77 Lm/W            — C60/240, 360°  
 CCT: 4000K                    — C90/270, 360°

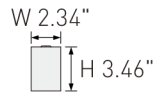
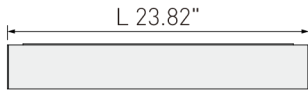
# LED LINEAR LIGHTING

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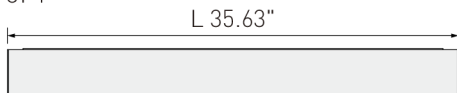
## DIMENSIONS

### Micro Reflector and Louver

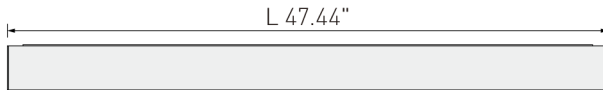
2FT



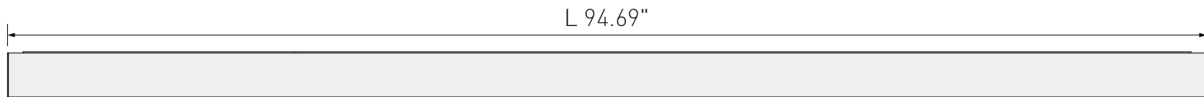
3FT



4FT

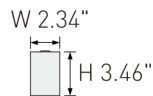


8FT

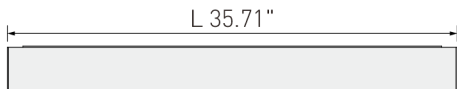


### Diffuser and Deep Regressed

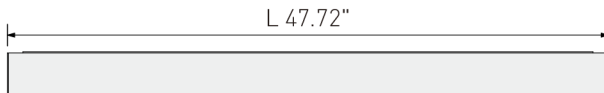
2FT



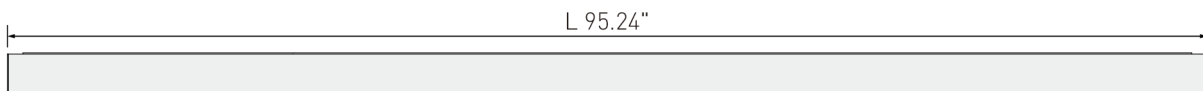
3FT



4FT



8FT



# LED LINEAR LIGHTING

PQ-LIOZ

## MOUNTING

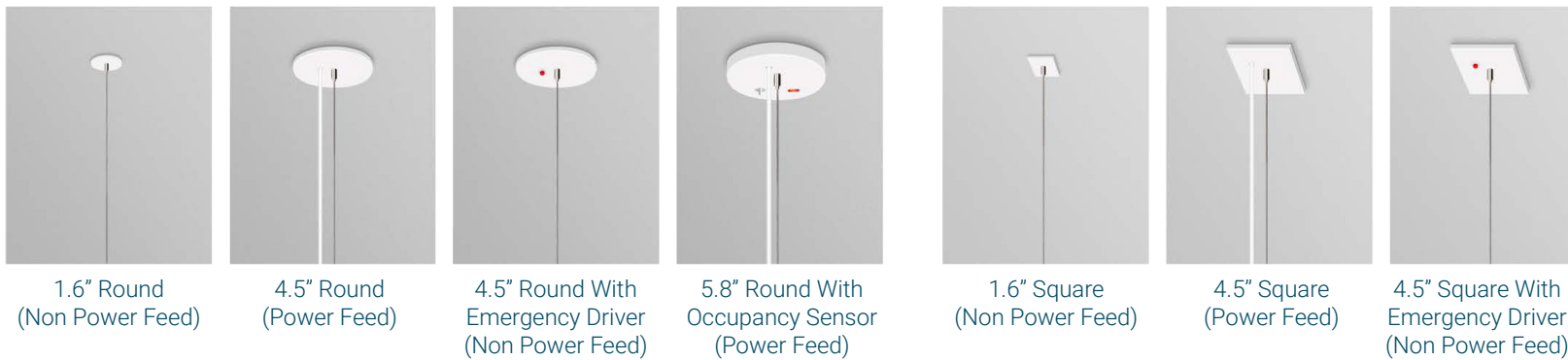
### WALL MOUNT

- Available in a wall mount design, with a sleek low-profile sensibility optimal for architectural lighting applications, ideal for corridors, stairwells, and more.
- These timeless, streamlined forms blend well with contemporary decors and modern workplaces.

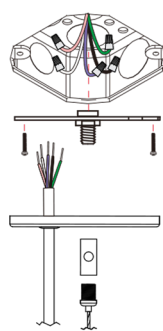
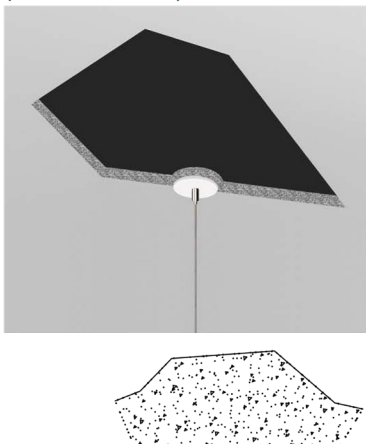
### PENDANT

- 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 277V AC
- Custom Pattern with optional Line, L, X, T, V, Y, Z joiners.

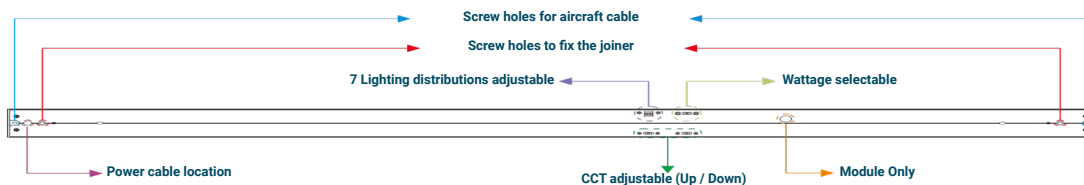
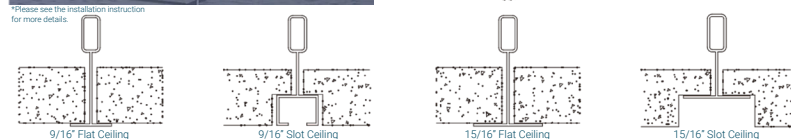
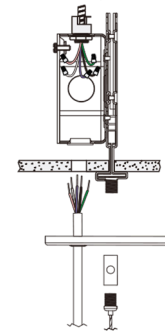
### Canopy Style



### 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\"/>



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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      |
| 44                        | 8'+8'+8'+8'+8'+4'    | 5           | 2              | 7                 | 7      |
| 46                        | 8'+8'+8'+8'+8'+4'+2' | 6           | 2              | 8                 | 8      |
| 48                        | 8'+8'+8'+8'+8'+8'    | 5           | 2              | 7                 | 7      |

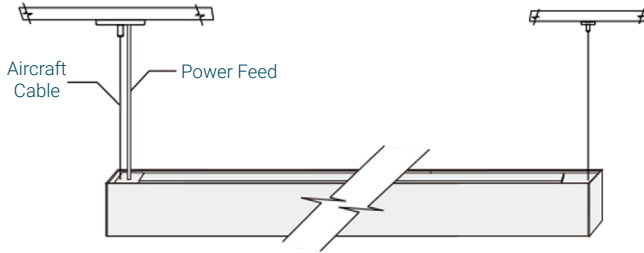
Note: 4.5" canopy is designed for power cable

# LED LINEAR LIGHTING

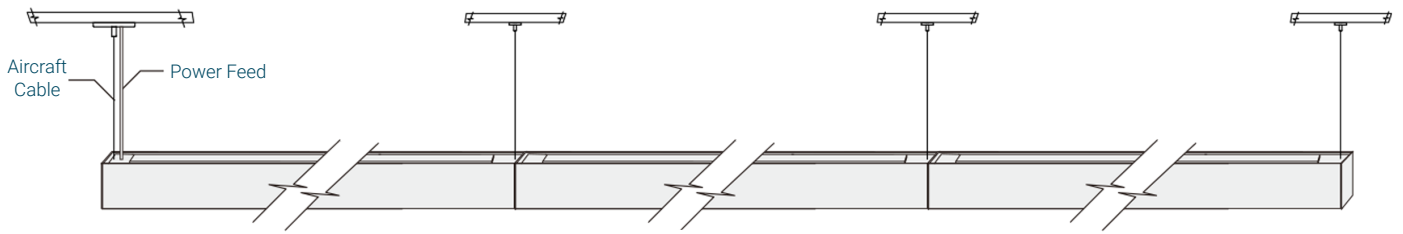
PQ-LIOZ

## MOUNTING

### INDIVIDUAL

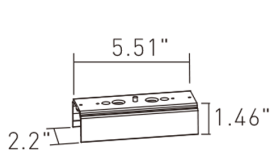


### CONTINUOUS RUN

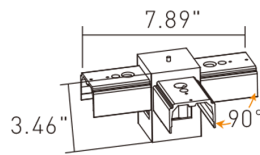


**120VAC: Connections up to 40ft.**  
**277VAC: Connections up to 100ft.**

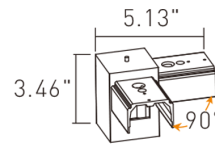
### CUSTOM PATTERN WITH JOINERS



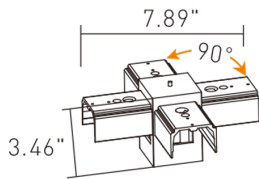
"-" Pattern



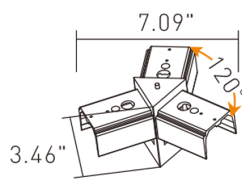
"T" Pattern



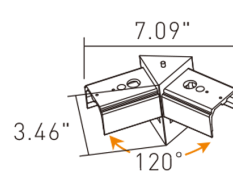
"L" Pattern



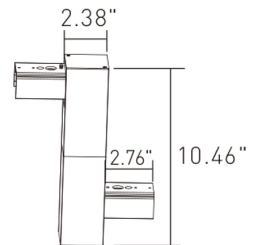
"X" Pattern



"Y" Pattern



"V" Pattern



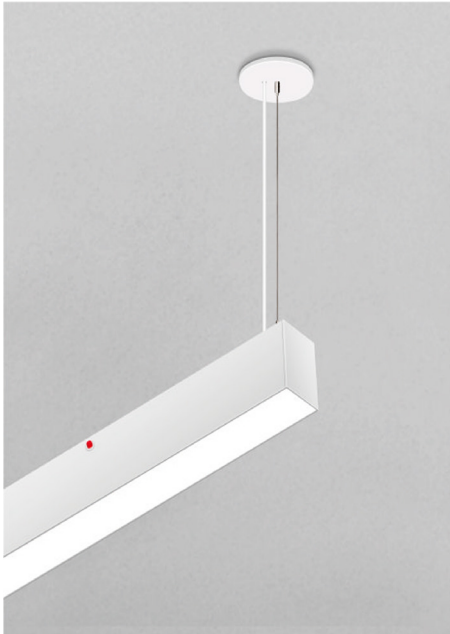
"Z" Pattern

# LED LINEAR LIGHTING

PQ-LIOZ

## EMERGENCY OPTION

Emergency drivers could be factory installed or field installed. 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.



### Built-in LED Emergency Driver

Built-in 8w LED emergency driver to provide critical illumination when normal power fails for any reason. It can save your labor cost with simple wiring.

### Specification for LED Emergency Driver

|                     |                      |
|---------------------|----------------------|
| Output Power        | 8 Watts              |
| Output Voltage      | 15-54V DC            |
| Input Current       | 70 mA (Max)          |
| Input Power         | 3.2 Watts (Max)      |
| Input Voltage       | 110-277VAC, 50-60 Hz |
| Emergency Operation | >90 Minutes          |
| Standby Power       | <0.4W                |
| Operating Temp      | 0°C to 50°C          |
| Battery             | Lithium              |
| Recharge            | 24 Hrs               |
| Certificate         | UL, CEC              |



### 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.



# LED LINEAR LIGHTING

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## OCCUPANCY SENSOR



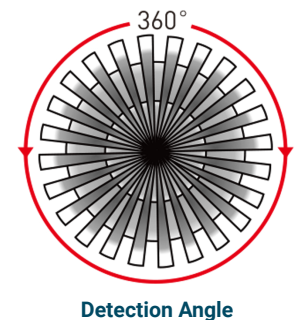
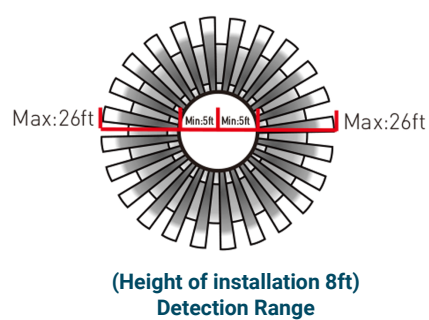
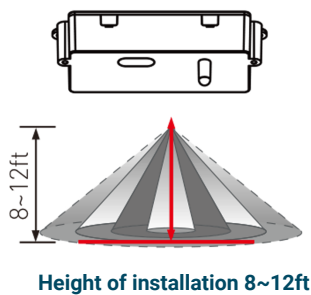
We can provide a factory-installed integrated sensor system for multi-level control based on motion and/or daylight contribution with BRI810-B-D level & daylight harvest microwave sensor from SHARKWARD. For more info or spec sheet, please contact sales.

### Specification

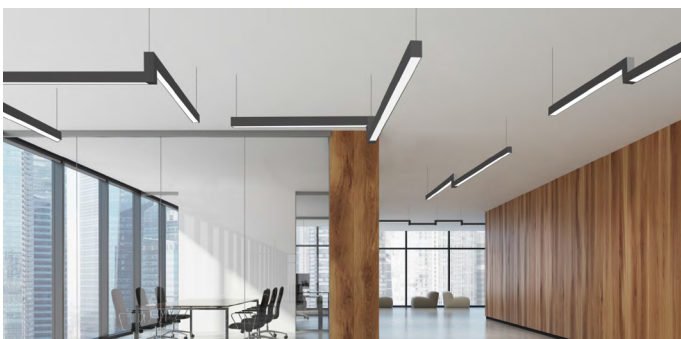
|  |   |
|--|---|
| Power Supply                                   | 120/277 VAC 50/60Hz   |
| Maximum load @-40°F to +158°F (-40°C to +70°C) | Resistive/ Tungsten - 600W@120V<br>Electronic Ballast(LED) - 800VA@120V/1200VA@277V |
| HF System                                      | 5.8GHz CW   |
| Dim 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 to +158°F (-40°C to +70°C)  |



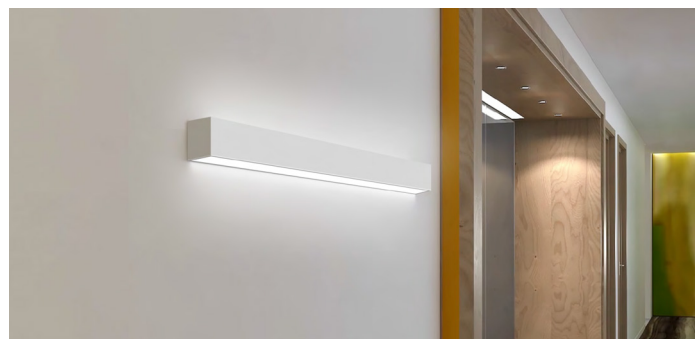
### Sensor Coverage



## APPLICATION



○ Pendant



○ Wall Mount