

# ICE PENDANT

Architectural LED Pendant Luminaire

**VividForms™**

Type:

Fixture:

## TECHNICAL DATA

### Optics

High precision light guide made of PMMA material, allows distribution of controlled light to create 45% uplight, 55% downlight light distribution.

### Finish

Extruded aluminum housing.

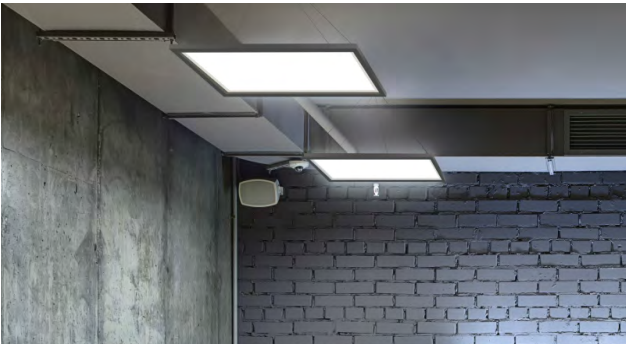
Powder coat black finish is standard. Optional white or custom.

### Electrical

|               |                                                                                                                                                                                 |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Driver        | External, class 2, high efficiency LED driver.                                                                                                                                  |
| Dimming       | Standard constant current electronic driver with 1-10V dimming, dim to 1%.<br>Tested Dimmers : LEVITON DD710, LUTRON NTSTV-DV, LEGRAND RH4FBL3PTC, LUTRON DVSTV, LEVITON IP710. |
| THD           | <20%                                                                                                                                                                            |
| Power Factor  | >0.9                                                                                                                                                                            |
| Input Voltage | 120-277V Standard .120-347V * optional                                                                                                                                          |

### LED System

|                    |                                                                                                                                                                                                    |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CRI                | Minimum 80 color rendering index                                                                                                                                                                   |
| CCT                | CCT adjustable from 3000K, 3500K and 4000K with a great color consistency.                                                                                                                         |
| LED                | Life minimum 50,000h with 87.8% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.<br>Aluminum housing acting as the heat sink to maximize life. |
| Thermal Management | Damp rated in operating ambient temperatures of -20~40°C.                                                                                                                                          |
| Environment        |                                                                                                                                                                                                    |



## DESCRIPTION

The Ice Pendant square LED delivers an aesthetic, stylish architectural solution which creates stunning forms only 1.5" high. It combines clean lines and thin, square forms to enhance the decor. The unique design is nearly transparent luminaire when off and excellent uniformity and efficiency when on, reaching 55%downlighting and 45% uplighting distribution, making the illusion of the light floating in mid-air. It is perfect for applications that include conference rooms, open offices, retail settings, anywhere you want to make a statement.



## ORDERING INFORMATION

| Series                           | Size       | Lumen Package         | Voltage          | CCT                                             |
|----------------------------------|------------|-----------------------|------------------|-------------------------------------------------|
| IPL - (Ice Pendant LED Luminaire | 24 - (24") | 5050 - (up to 5000lm) | U - (120 - 277V) | 3CCT - (30K/35K/40K) Adjust<br>CU - Custom CCT) |

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## FEATURES

### CONSTRUCTION

Aluminum housing.

### FINISH

Powder coat silver finish.

### ELECTRICAL

Class 2 high efficiency driver standard constant current electronic drive with 0-10V dimming.

### LISTINGS

UL certified. FCC Listed. 5 year limited warranty.

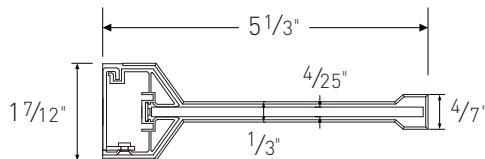
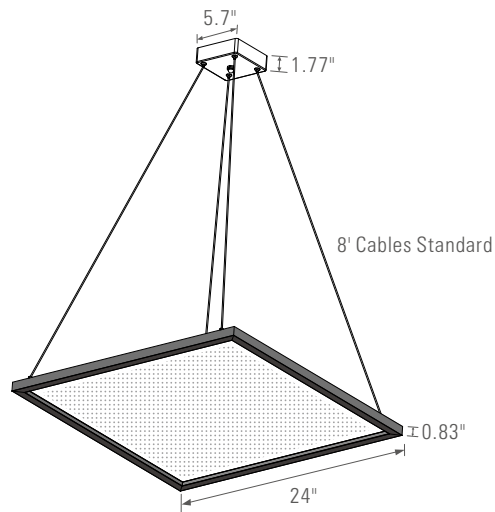
## ACCESSORIES



### EMB12

Self diagnostic emergency  
12W inverter

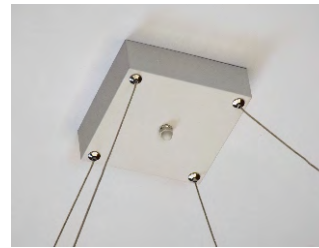
## DIMENSIONS



Pendant

Dry ceiling or T-Grid ceiling compatible.

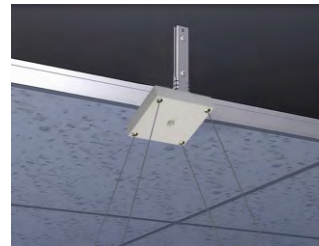
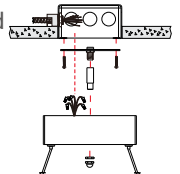
Cable lengths of 8ft is standard, 12ft or others are available.



### Dry Ceiling / Off Grid



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

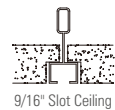


### Drop Ceiling / On Grid

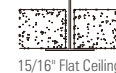
Suspending the luminaire in the T-grid. Compatible for various T-grid, including 9/16" Flat, 9/16" Slot, 15/16" Flat.



9/16" Flat Ceiling



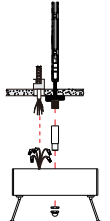
9/16" Slot Ceiling



15/16" Flat Ceiling



15/16" Slot Ceiling



\*Please see the installation instruction for more details.

| Model#      | Dimension | Wattage Selectable | Efficacy | Lumens       |
|-------------|-----------|--------------------|----------|--------------|
| IPL-24-5050 | 24"x24"   | 50W/40W/30W        | 100lm/w  | Up to 5000lm |

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

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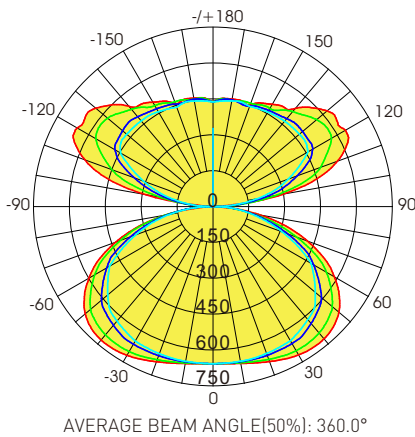
INDOOR

Type:

Fixture:

## DISTRIBUTION DIAGRAM

24"X24"/45% Up,55% Down/ 3000K



Test Number: IPL-24-5050-U  
Lumens: 5385 Lm Watts: 51.68 W  
LPW: 104.19 Lm/W  
CCT: 3000K

UNIT: cd  
— C0/180, 360°  
— C30/270, 360°  
— C60/240, 360°  
— C90/270, 360°

Zonal Flux Diagram

| τ   | C0                    | C45   | C90   | C135  | C180  |
|-----|-----------------------|-------|-------|-------|-------|
| 5   | 659.2                 | 657.8 | 656.7 | 658.1 | 659.2 |
| 10  | 666.2                 | 661.0 | 656.7 | 661.7 | 666.5 |
| 15  | 676.7                 | 665.7 | 656.5 | 667.1 | 677.2 |
| 20  | 689.8                 | 671.6 | 653.8 | 673.8 | 690.6 |
| 25  | 704.3                 | 675.2 | 650.8 | 678.4 | 705.6 |
| 30  | 716.3                 | 676.6 | 647.8 | 680.9 | 718.5 |
| 35  | 722.7                 | 675.3 | 632.5 | 681.2 | 726.8 |
| 40  | 721.9                 | 668.3 | 617.2 | 676.0 | 728.2 |
| 45  | 711.9                 | 645.4 | 599.1 | 654.3 | 720.0 |
| 50  | 687.2                 | 615.8 | 559.0 | 625.2 | 697.5 |
| 55  | 643.9                 | 577.8 | 516.1 | 587.1 | 657.1 |
| 60  | 585.3                 | 513.9 | 473.3 | 523.0 | 559.6 |
| 65  | 514.2                 | 441.7 | 389.8 | 451.4 | 527.7 |
| 70  | 419.4                 | 357.3 | 306.4 | 364.5 | 431.7 |
| 75  | 314.8                 | 261.7 | 223.9 | 264.4 | 322.5 |
| 80  | 193.0                 | 167.2 | 149.6 | 167.9 | 192.7 |
| 85  | 58.09                 | 84.03 | 76.30 | 85.15 | 49.39 |
| 90  | 1.092                 | 2.997 | 2.993 | 2.758 | 1.065 |
| 95  | 65.96                 | 120.7 | 92.26 | 124.4 | 47.23 |
| 100 | 294.4                 | 239.6 | 181.5 | 245.4 | 283.9 |
| 105 | 450.6                 | 332.5 | 268.1 | 338.4 | 459.8 |
| 110 | 552.1                 | 416.7 | 333.5 | 423.6 | 569.3 |
| 115 | 619.1                 | 482.3 | 396.2 | 491.5 | 639.8 |
| 120 | 639.5                 | 510.3 | 458.9 | 516.6 | 657.0 |
| 125 | 630.8                 | 519.9 | 472.3 | 525.6 | 652.1 |
| 130 | 623.1                 | 528.2 | 471.6 | 536.4 | 640.5 |
| 135 | 585.0                 | 511.6 | 469.2 | 518.3 | 601.7 |
| 140 | 536.2                 | 488.8 | 466.8 | 496.8 | 546.8 |
| 145 | 510.5                 | 482.1 | 461.9 | 490.1 | 523.8 |
| 150 | 494.4                 | 470.1 | 456.8 | 474.8 | 504.4 |
| 155 | 478.0                 | 461.1 | 451.7 | 467.4 | 486.6 |
| 160 | 450.5                 | 458.7 | 446.5 | 463.3 | 456.1 |
| 165 | 458.7                 | 447.9 | 453.0 | 450.9 | 464.6 |
| 170 | 456.7                 | 451.4 | 448.8 | 455.2 | 460.6 |
| 175 | 454.4                 | 452.1 | 443.2 | 452.5 | 456.4 |
| 180 | 437.7                 | 437.7 | 437.7 | 437.7 | 438.1 |
| DEG | LUMINOUS INTENSITY:cd |       |       |       |       |

Zonal Lumens

| τ       | φ total  |
|---------|----------|
| 0-5     | 15.72    |
| 5-10    | 62.92    |
| 10-15   | 141.7    |
| 15-20   | 252.1    |
| 20-25   | 393.7    |
| 25-30   | 565.8    |
| 30-35   | 766.5    |
| 35-40   | 992.3    |
| 40-45   | 1239     |
| 45-50   | 1499     |
| 50-55   | 1764     |
| 55-60   | 2023     |
| 60-65   | 2266     |
| 65-70   | 2477     |
| 70-75   | 2645     |
| 75-80   | 2767     |
| 80-85   | 2838     |
| 85-90   | 2861     |
| 90-95   | 2888     |
| 95-100  | 2977     |
| 100-105 | 3128     |
| 105-110 | 3326     |
| 110-115 | 3555     |
| 115-120 | 3803     |
| 120-125 | 4051     |
| 125-130 | 4285     |
| 130-135 | 4499     |
| 135-140 | 4690     |
| 140-145 | 4855     |
| 145-150 | 4997     |
| 150-155 | 5116     |
| 155-160 | 5213     |
| 160-165 | 5288     |
| 165-170 | 5342     |
| 170-175 | 5374     |
| 175-180 | 5385     |
|         | UNIT: lm |

Luminance cd/(m2)

| G(DEG) | C0/180 | C90/270 |
|--------|--------|---------|
| 85     | 18514  | 24318   |
| 80     | 30870  | 23932   |
| 75     | 33781  | 24034   |
| 70     | 34061  | 24883   |
| 65     | 33798  | 25623   |
| 60     | 32518  | 26294   |
| 55     | 31181  | 24997   |
| 50     | 29699  | 24157   |
| 45     | 27965  | 23535   |