

Project Name:

Type:

Quantity:

## FIXTURE SPECIFICATIONS

### INTENDED USE

Our capsule luminaire features soft but powerful diffused lighting with a matte white finish. This diecast aluminum product is assembled in the USA. Ideal for residential, commercial, institutional or architectural interiors. Sections can be joined to form longer length products and includes hardware for continuous row mounting. Standard lengths are 4-feet and 8-feet.

### DETAILS

**Construction:** Extruded aluminum

die cast aluminum flat end caps

**Lens:** White acrylic diffuser | louver

**Voltage:** 50/60 Hz constant current 0-10V @ 120-277V, TRIAC & ELV @ 120V

**Dimming:** 0-10V, TRIAC (Forward-phase), ELV (Reverse-phase)

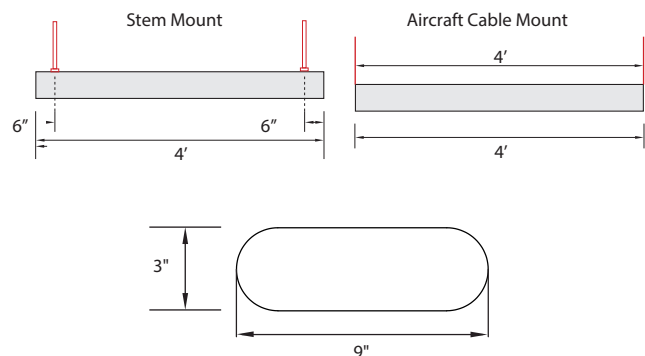
**Power Factor:** +0.9

**Operating Temperature:** 4°F (-20°C) ~ 122°F (50°C).

**Life:** L70 - +60,000 hours

**Warranty:** 5 years carefree for parts & components (Labor not included)

**Listings:** UL / CUL listed



## ORDERING INFORMATION Example: (12146-P-S-4-36W-D-27K-A-8-AC4-T-W)

|       |               |                | Single Run          |                         |                  |                                         |                    |     |                              |              |             |                                                   |                         |
|-------|---------------|----------------|---------------------|-------------------------|------------------|-----------------------------------------|--------------------|-----|------------------------------|--------------|-------------|---------------------------------------------------|-------------------------|
| Model | Type          | Length         | 4' or 8'            |                         |                  |                                         |                    |     |                              |              |             |                                                   |                         |
|       |               |                | Wattage   Lumens    | Distribution            | Color Temp       | Finish                                  | Shielding          | CRI | Pendant Mounting             | Ceiling Type | Cord Finish | Options                                           | Optional Controls       |
| 12146 | P             | S              | Per 4 Foot Sections |                         |                  |                                         |                    |     |                              |              |             |                                                   |                         |
|       | Pendant       | Single Run     | 36W                 | 100% Direct Only        | 27K <sup>2</sup> | WH                                      | A                  | 8   | (Blank)                      | T            | WH          | Blank                                             | Blank                   |
|       |               |                | 36 Watts   3275 lms |                         | 2700K            | White                                   | White Acrylic Lens | 80+ | None Required                | T-Bar        | White       | No Options                                        | No Controls             |
|       | S             | CR             | 54W                 | 25% Direct/75% Indirect | 30K              | SL                                      | L <sup>3</sup>     | 9   | AC4                          | H            | BK          | EM5                                               | LV                      |
|       | Surface Mount | Continuous Run | 54 Watts   4877 lms |                         | 3000K            | Silver                                  | Louver             | 90+ | 4' Adjustable Aircraft Cable | Hard         | Black       | 5W Emergency Ballast                              | Lutron VIVE™ Wireless   |
|       |               |                | 81W                 | 50% Direct/50% Indirect | 35K              | BK                                      |                    |     | AC8                          |              |             | 8W Emergency Ballast                              | PH Philips EasySense™   |
|       |               |                | 81 Watts   7280 lms |                         | 3500K            | Black                                   |                    |     | 8' Adjustable Aircraft Cable |              |             | 16W Emergency Ballast                             | EN Siemens Enlightened™ |
|       |               |                |                     | 75% Direct/25% Indirect | 40K              | XXXX                                    |                    |     | ACX                          |              |             | OS                                                |                         |
|       |               |                |                     | 90% Direct/10% Indirect | 50K              | Specify XXXX: Use RAL # found on Page 2 |                    |     | Specify X in Feet (Max 30')  |              |             | Daylight Dimming Photo Sensor                     |                         |
|       |               |                |                     |                         |                  |                                         |                    |     | ST2                          |              |             | DS                                                |                         |
|       |               |                |                     |                         |                  |                                         |                    |     | 2' Stem                      |              |             | Separate Dimming Control of Uplight and Downlight |                         |
|       |               |                |                     |                         |                  |                                         |                    |     | ST4                          |              |             |                                                   |                         |
|       |               |                |                     |                         |                  |                                         |                    |     | 4' Stem                      |              |             |                                                   |                         |
|       |               |                |                     |                         |                  |                                         |                    |     | STX                          |              |             |                                                   |                         |
|       |               |                |                     |                         |                  |                                         |                    |     | Specify X in Feet (Max 8')   |              |             |                                                   |                         |

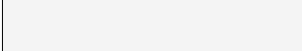
<sup>1</sup> Only available for Pendant Mount

<sup>2</sup> Only available in 90+ CRI

<sup>3</sup> Louver is only available for the 4' length

## Available Finishes

### Standard

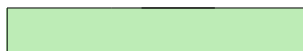
|                                                                                  |             |           |
|----------------------------------------------------------------------------------|-------------|-----------|
|  | Matte White | RAL #9003 |
|----------------------------------------------------------------------------------|-------------|-----------|

Set up fee and longer lead time will be applied on non-standard finishes.

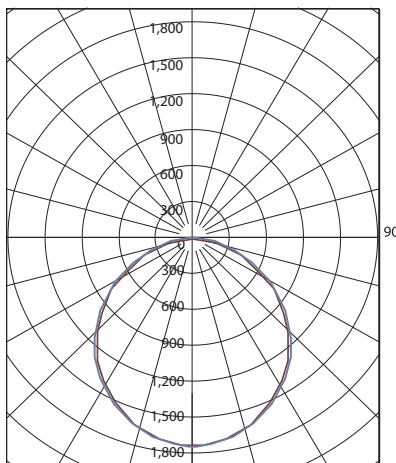
### Metropolitan

|                                                                                    |                 |           |
|------------------------------------------------------------------------------------|-----------------|-----------|
|    | Black           | RAL #9011 |
|    | Silver          | RAL #9022 |
|    | Urban Native    | RAL #8025 |
|    | Military Green  | RAL #6011 |
|    | Carmin          | RAL #8028 |
|    | Chocolate Spice | RAL #8017 |
|  | Asher Grey      | RAL #7004 |
|  | Tech Grey       | RAL #7016 |
|  | Slate           | RAL #7031 |
|  | Mason           | RAL #7039 |

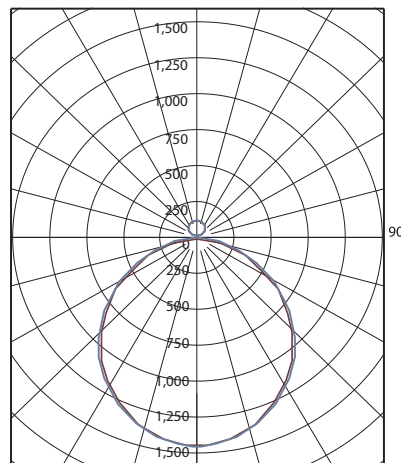
### Vibrant

|                                                                                      |                |           |
|--------------------------------------------------------------------------------------|----------------|-----------|
|    | Violet Dreams  | RAL #4006 |
|    | Sangria Sunset | RAL #2004 |
|    | Deep Pink      | RAL #4010 |
|    | Ruby Red       | RAL #3027 |
|    | Island Skye    | RAL #6027 |
|    | Sophia         | RAL #5015 |
|  | Antique Spring | RAL #6019 |
|  | Daisy          | RAL #1018 |
|  | Gun Metal      | RAL #7024 |

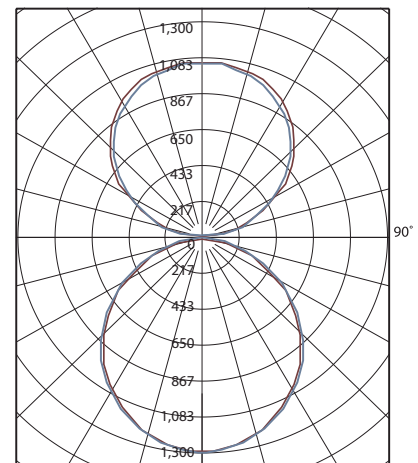
## Photometrics



12146-4-54-D



12146-4-54-D9I1



12146-4-36-DI

## Photometrics

### Direct

#### 12146-4-36-D

##### Illuminance at a Distance

Center Beam FC      Beam Width

|        |         |         |         |
|--------|---------|---------|---------|
| 1.7FT  | 399 FC  | 5.1 FT  | 4.9 FT  |
| 3.3FT  | 106 FC  | 9.9 FT  | 9.5 FT  |
| 5.0FT  | 46.2 FC | 14.9 FT | 14.4 FT |
| 6.7FT  | 25.7 FC | 20.0 FT | 19.3 FT |
| 8.3FT  | 16.8 FC | 24.8 FT | 23.9 FT |
| 10.0FT | 11.5 FC | 29.9 FT | 28.8 FT |

■ Vert. Spread: 112.4°  
■ Horiz. Spread: 110.5°

#### 12146-4-81-D

##### Illuminance at a Distance

Center Beam FC      Beam Width

|        |         |         |         |
|--------|---------|---------|---------|
| 1.7FT  | 888 FC  | 5.1 FT  | 4.9 FT  |
| 3.3FT  | 236 FC  | 9.9 FT  | 9.5 FT  |
| 5.0FT  | 103 FC  | 14.9 FT | 14.4 FT |
| 6.7FT  | 57.2 FC | 20.0 FT | 19.3 FT |
| 8.3FT  | 37.2 FC | 24.8 FT | 23.9 FT |
| 10.0FT | 25.7 FC | 29.9 FT | 28.8 FT |

■ Vert. Spread: 112.4°  
■ Horiz. Spread: 110.5°

### 90% Direct / 10% Indirect

#### 12146-4-36-D9I1

##### Illuminance at a Distance

Center Beam FC      Beam Width

|        |         |         |         |
|--------|---------|---------|---------|
| 1.7FT  | 324 FC  | 5.0 FT  | 4.9 FT  |
| 3.3FT  | 85.9 FC | 9.8 FT  | 9.4 FT  |
| 5.0FT  | 37.4 FC | 14.8 FT | 14.3 FT |
| 6.7FT  | 20.8 FC | 19.8 FT | 19.1 FT |
| 8.3FT  | 13.6 FC | 24.5 FT | 23.7 FT |
| 10.0FT | 9.35 FC | 29.6 FT | 28.6 FT |

■ Vert. Spread: 111.9°  
■ Horiz. Spread: 110.0°

#### 12146-4-81-D9I1

##### Illuminance at a Distance

Center Beam FC      Beam Width

|        |         |         |         |
|--------|---------|---------|---------|
| 1.7FT  | 778 FC  | 5.0 FT  | 4.9 FT  |
| 3.3FT  | 206 FC  | 9.8 FT  | 9.4 FT  |
| 5.0FT  | 89.9 FC | 14.8 FT | 14.3 FT |
| 6.7FT  | 50.1 FC | 19.8 FT | 19.1 FT |
| 8.3FT  | 32.6 FC | 24.5 FT | 23.7 FT |
| 10.0FT | 22.5 FC | 29.6 FT | 28.6 FT |

■ Vert. Spread: 111.9°  
■ Horiz. Spread: 110.0°

### 52% Direct/ 48% Indirect

#### 12146-4-36-DI

##### Illuminance at a Distance

Center Beam FC      Beam Width

|        |         |         |         |
|--------|---------|---------|---------|
| 1.7FT  | 310 FC  | 5.0 FT  | 4.9 FT  |
| 3.3FT  | 82.4 FC | 9.7 FT  | 9.5 FT  |
| 5.0FT  | 35.9 FC | 14.8 FT | 14.4 FT |
| 6.7FT  | 20.0 FC | 19.8 FT | 19.3 FT |
| 8.3FT  | 13.0 FC | 24.5 FT | 23.9 FT |
| 10.0FT | 8.97 FC | 29.5 FT | 28.8 FT |

■ Vert. Spread: 111.8°  
■ Horiz. Spread: 110.5°

#### 12146-4-81-DI

##### Illuminance at a Distance

Center Beam FC      Beam Width

|        |         |         |         |
|--------|---------|---------|---------|
| 1.7FT  | 629 FC  | 5.0 FT  | 4.9 FT  |
| 3.3FT  | 167 FC  | 9.7 FT  | 9.5 FT  |
| 5.0FT  | 72.7 FC | 14.8 FT | 14.4 FT |
| 6.7FT  | 40.5 FC | 19.8 FT | 19.3 FT |
| 8.3FT  | 26.4 FC | 24.5 FT | 23.9 FT |
| 10.0FT | 18.2 FC | 29.5 FT | 28.8 FT |

■ Vert. Spread: 111.8°  
■ Horiz. Spread: 110.5°

## Controls

| Smart Sensors    | Protocol              | Compatible Networks                      | Occupancy  | Daylight   | Temperature Reporting | Communication to Luminaire |
|------------------|-----------------------|------------------------------------------|------------|------------|-----------------------|----------------------------|
| <b>enlighted</b> | Enlighted RF          | Enlighted RF                             | Integrated | Integrated | Yes                   | Wireless                   |
| <b>LUTRON</b>    | EcoSystem             | Quantum, Energi Savr Node, Energi TriPak | Enabled    | Enabled    | No                    | Wired                      |
| <b>vive</b>      | Lutron Clear Connect* | Lutron Vive System Network               | Enabled    | Enabled    | No                    | Wireless                   |
| <b>PHILIPS</b>   | ZigBee HA             | Philips                                  | Enabled    | Enabled    | No                    | Wired                      |



### Controls Installed on the Fixture



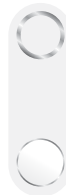
**FCJS-010**  
Individual  
Fixture Control

Fixture Will be Shipped LUTRON VIVE Enabled with LUTRON FCJS-010 0-10V Control Module Installed on the Fixture. Fixtures will be compatible with Lutron FC-SENSOR Occupancy/Daylight Sensor or FC-VSENSOR Vacancy/Daylight Sensor which can be Added in the Field for Remote Mounting. Fixture May be Controlled with any Vive control systems. Fixtures must be ordered with a 0-10V. Driver.



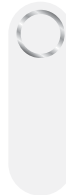
**FCJS-ECO**  
Individual  
Fixture Control

Fixture Will be Shipped LUTRON VIVE Enabled with LUTRON FCJS-ECO EcoSystem Control Module Control Module Installed on the Fixture. Fixtures will be compatible with Lutron FC-SENSOR Occupancy/Daylight Sensor or FC-VSENSOR Vacancy/Daylight Sensor which can be Added in the Field for Remote Mounting. Fixture May be Controlled with any Vive control systems. Fixtures must be ordered with a Lutron Driver.



#### DFCSJ-OEM-OCC

Fixture Will be Shipped LUTRON VIVE Enabled with DFCSJ-OEM-OCC\* Vive Integral Fixture Control (with Sensing) Installed on the Fixture. Fixture May be Controlled with any Vive control systems. Fixtures must be ordered with a DMX or Lutron EcoSystem Driver



#### DFCSJ-OEM-RF

Fixture Will be Shipped LUTRON VIVE Enabled with LUTRON DFCSJ-OEM-RF\* Vive Integral Fixture Control (RF Only) Installed on the Fixture. Fixture May be Controlled with any Vive control systems. Fixtures must be ordered with a DMX or Lutron EcoSystem Driver.

### Controls Provided by Lutron



Vive Wireless Hub



DayLight  
Sensor



Ceiling Mount  
Occupancy/Daylight  
Sensor



Ceiling Mount  
Occupancy Sensor



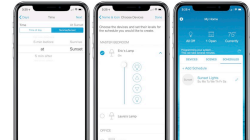
Pico  
Remote



Wall Mount  
Switch



Wall Mount  
Occupancy Sensor



Lutron App

## Controls



Fixture will be shipped with Leviton ZL027-N0W power control module installed on the fixture. Fixtures will be compatible with Leviton ZL00J-D0W sensor control module which can be added in the field for remote mounting. Fixture must be controlled with Leviton Intellect Keypad Room Controller, or Leviton Neuron App.



**ZL027-N0W**  
Power control module



**ZL00J-D0W**  
Sensor control module

### Leviton Keypad



**ZLDNK-1W**



**ZLDNK-2W**



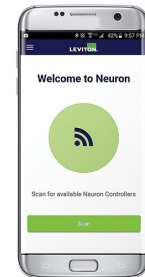
**ZLDNK-4W**



**ZLDNK-8W**

Intellect™ Keypad Room  
Controller (Required)

### Leviton App



Neuron App



Philips EasySense sensors provide luminaire-level control with Occupancy sensing, Daylight harvesting, and Field task tuning.

### Controls Installed on the Fixture



#### PHILIPS-XSR + SNS200

Fixture will be Shipped with EasySense SNS200 Sensor installed and PHILIPS-XSR driver. Fixture May Only be Controlled with Philips Field App or Wireless Switches.



#### SRB + SNS200

Fixture Will be Shipped with EasySense SNS200 Sensor installed and PHILIPS SRB Bridge. Fixture May Only be Controlled with Philips Field App or Wireless Switches or any 0-10V. Wall Box Dimmer.



### Controls Provided by Philips



**ZBT-S1AWH**



**ZBT-S2AWH**

Ilumra Wireless Switches



#### PHILIPS-XSR + SNS200-CMP

Fixture will be Shipped Sensor Ready with PHILIPS-XSR driver and EasySense SNS200-CMP Sensor which is Included to be Remote Mounted. Fixture May Only be Controlled with Philips Field App or Wireless Switches



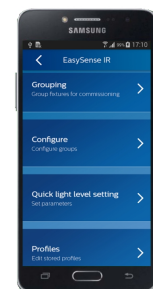
#### SRB + SNS200-CMP

Fixture Will be Shipped Sensor Ready with PHILIPS SRB Bridge and EasySense SNS200-CMP Sensor which is Included to be Remote Mounted. Fixture May Only be Controlled with Philips Field App or Wireless Switches or any 0-10V. Wall Box Dimmer.



#### SRB

Fixture will be Shipped Sensor Ready with SRB Bridge. Fixture will be Compatible with EasySense Sensor SNS200-CMP which can be Added in the Field for Remote Mounting. Fixture May Only be Controlled with Philips Field App or Wireless Switches or any 0-10V. Wall Box Dimmer.



Philips Field App



## Compatible Dimmers

| MFG                                                                               | Triac     | ELV        | 0-10      |
|-----------------------------------------------------------------------------------|-----------|------------|-----------|
|  | TG-600P   | DVELV-303P | NTSTV     |
|                                                                                   | LG-600P   | SELV-300P  | NFTV      |
|                                                                                   | TGCL-153P | MAELV-600  | DVSTV     |
|                                                                                   | DV-600P   | FAELV-500  |           |
|                                                                                   | DVCL-153P |            |           |
|                                                                                   | S-603PG   |            |           |
|                                                                                   | CT-103P   |            |           |
|  | S-600P    |            |           |
|                                                                                   | 6161      | IPE04      | IP710-DLZ |
|                                                                                   | 6633-P    | VPE06-1LZ  |           |
|                                                                                   | 6683      |            |           |
|                                                                                   | 6631-2    |            |           |
|                                                                                   | IPI06-1LZ |            |           |

## COLOR TEMPERATURE GUIDE

