



### Performance | Lumens per foot based on a 4' LED module

#### 3000K Lumen Data

Based upon 60° x 60° Beam

| System Watts/Ft | Delivered Lm/Ft |        |
|-----------------|-----------------|--------|
| POWER           | 92 CRI          | 98 CRI |
| 5               | 385             | 331    |
| 6               | 444             | 382    |
| 7               | 533             | 458    |
| 8               | 622             | 535    |
| 9               | 711             | 611    |
| 10              | 770             | 662    |
| 11              | 844             | 726    |
| 12              | 933             | 802    |
| 13              | 1007            | 866    |
| 14              | 1110            | 955    |

#### Lumen Factor

| Output Factors |            |
|----------------|------------|
| CCT            | Multiplier |
| 1800K          | 0.70       |
| 2000K          | 0.70       |
| 2200K          | 0.81       |
| 2500K          | 0.86       |
| 2700K          | 0.96       |
| 3000K          | 1.00       |
| 3500K          | 1.05       |
| 4000K          | 1.05       |
| 4500K          | 1.05       |
| 5000K          | 1.05       |
| 5700K          | 1.05       |
| 6500K          | 1.05       |

#### Maximum Run Lengths\*

| System Watts/Ft | Length  |         |
|-----------------|---------|---------|
| POWER           | 120 VAC | 277 VAC |
| 5               | 100Ft   | 100Ft   |
| 6               | 100Ft   | 100Ft   |
| 7               | 100Ft   | 100Ft   |
| 8               | 96Ft    | 100Ft   |
| 9               | 80Ft    | 100Ft   |
| 10              | 72Ft    | 100Ft   |
| 11              | 64Ft    | 100Ft   |
| 12              | 56Ft    | 100Ft   |
| 13              | 48Ft    | 100Ft   |
| 14              | 40Ft    | 100Ft   |

\*Max run of fixtures from a single power cable.



### Features & Benefits



**IP66 Design**  
Outdoor-rated



**Active Thermal Management**  
Protects electronics against damage from extreme heat



**Rugged Design**  
Aircraft grade aluminum construction with Mil-spec Anodized finish



**Smooth Dimming to 0.1%**  
5-14 W/ft. 0.1%



**Plug & Play**  
120-277VAC - 12", 18", and 48" LED Modules.  
EcoSystem<sup>™</sup>: 18" minimum



**Programmable Outputs**  
Up to 1,100 lm/ft



### Specification Code Builder

EXAMPLE: G-8W-35K-H-6-V-B-S-A-J1

| Series        | Power | CCT                      | Color Quality     | Optics                | Controls  | Finish              | Louvers & Shields                                | Mounting                                      |
|---------------|-------|--------------------------|-------------------|-----------------------|-----------|---------------------|--------------------------------------------------|-----------------------------------------------|
| G             |       |                          |                   |                       |           |                     |                                                  |                                               |
| G<br>Graphite | 05W   | 18K - 1800K <sup>§</sup> | S - Standard (83) | 1 - 10° x 60°         | V - 0-10V | B - Black Anodized  | G-LVR-XXB-SYM - Symmetrical Louver               | AJ1 - Adjustable                              |
|               | 06W   | 20K - 2000K <sup>†</sup> | H - High (92)*    | 3 - 30° x 60°         | D - DMX   | S - Silver Anodized | G-LVR-XXB-ASYM - Asymmetrical Louver             | FX1 - Low Profile Fixed                       |
|               | 07W   | 22K - 2200K <sup>†</sup> | R Values on pg 3  | 6 - 65° x 60°         |           |                     | G-ASYM-SHRD - Asymmetrical Shroud                | FX2 - Low Profile Fixed /Spacer               |
|               | 08W   | 25K - 2500K <sup>†</sup> |                   | 8 - 82° x 60°         |           |                     | G-PRF-SHLD - Profile Shield                      | FX3 - Bottom Profile Fixed                    |
|               | 09W   | 27K - 2700K <sup>†</sup> |                   | 0 - 120° <sup>‡</sup> |           |                     | G-DG-XX - Debris Guard                           | EXT-ARM1-03 - 3" Extension Arm                |
|               | 10W   | 30K - 3000K              |                   | See pg 2 for Optics   |           |                     | XX - Indicates Length. Refer to pg 8 for lengths | EXT-ARM1-06 - 6" Extension Arm                |
|               | 11W   | 35K - 3500K              |                   |                       |           |                     |                                                  | EXT-ARM1-12 - 12" Extension Arm               |
|               | 12W   | 40K - 4000K              |                   |                       |           |                     |                                                  | Refer to pgs 5 & 6 for additional information |
|               | 13W   | 45K - 4500K              |                   |                       |           |                     |                                                  |                                               |
|               | 14W   | 50K - 5000K              |                   |                       |           |                     |                                                  |                                               |
|               |       | 57K - 5700K              |                   |                       |           |                     |                                                  |                                               |
|               |       | 65K - 6500K              |                   |                       |           |                     |                                                  |                                               |
|               |       | R - Red                  |                   |                       |           |                     |                                                  |                                               |
|               |       | G - Green                |                   |                       |           |                     |                                                  |                                               |
|               |       | B - Blue                 |                   |                       |           |                     |                                                  |                                               |
|               |       | A - Amber                |                   |                       |           |                     |                                                  |                                               |

\* 2500K currently offered at 83-CRI

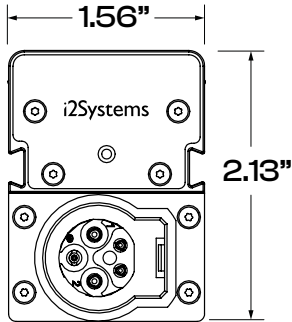
† 120° Optic available in Standard CRI for 20K, 22K, 25K and 27K

‡ 2500K is ONLY available with 120° Optic

§ 120° Optic not available for 1800K

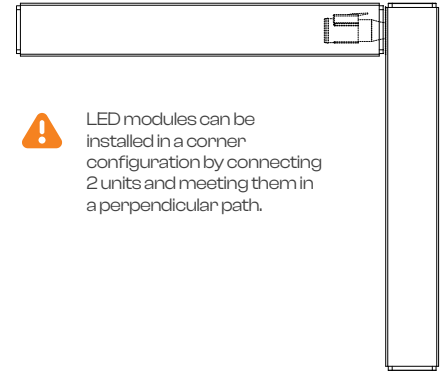


## ► LED Module - Dimensions



### Beam Angles

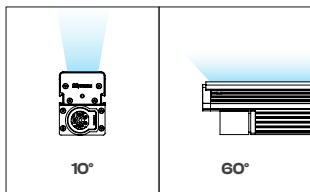
10° x 60°  
30° x 60°  
65° x 60°  
82° x 60°  
120° x 120°



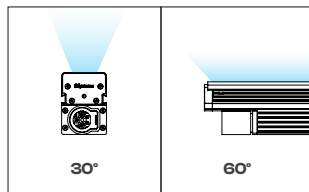
LED modules can be installed in a corner configuration by connecting 2 units and meeting them in a perpendicular path.



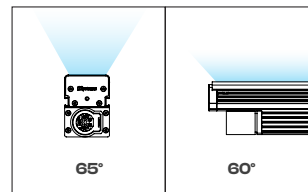
Grazing/Accent Beam



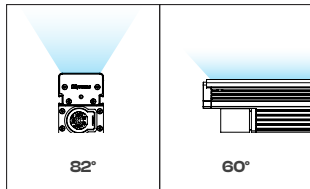
Washing Beam



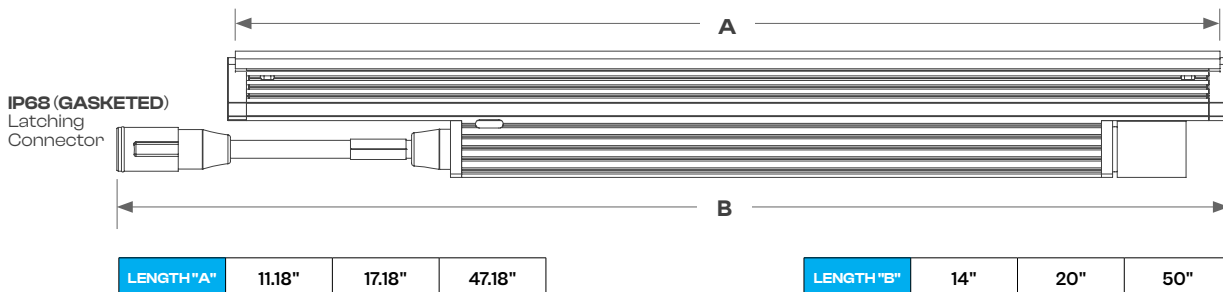
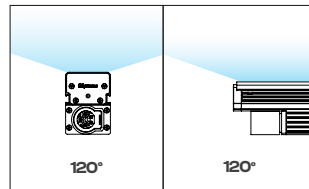
Wide Washing Beam



Wide Beam



General Illumination Beam



## ► LED Module - Characteristics

### ENVIRONMENT:

Ambient operating temperature:  
(-20°C) - (+40°C) = (32°F) - (104°F).  
0% to 90% humidity, non-condensing

### STORAGE TEMPERATURE:

Range: (-20°C) - (+65°C) =  
(-4°F) - (149°F)

### WEIGHT:

12" - 1.85 lbs  
18" - 2.60 lbs  
48" - 7.00 lbs

### PROTECTION:

IP66, Wet location rated, interior and exterior use

### LIFE:

60,000hrs to L70

### HOUSING:

Marine Grade, Weather and UV-Resistant Aircraft Grade Mil-Spec Sealed Anodized Aluminum, Finished Black or Silver

### LENS:

UV and Impact-Resistant Acrylic

### DEBRIS GUARD:

Impact-Resistant Polycarbonate with UV Inhibitor

### INPUT VOLTAGE:

120-277VAC 50/60 Hz

## ► Color Quality

## CRI - 92+ (High)

| Color Temp | Ra | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|------------|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 1800K      | 95 | 95 | 96 | 98 | 93 | 93 | 90 | 96 | 95 | 90 | 94  | 85  | 81  | 95  | 97  | 99  |
| 2000K      | 95 | 94 | 96 | 97 | 91 | 92 | 91 | 98 | 99 | 97 | 94  | 84  | 84  | 94  | 97  | 98  |
| 2200K      | 93 | 93 | 97 | 99 | 93 | 93 | 98 | 91 | 80 | 60 | 93  | 95  | 95  | 94  | 99  | 88  |
| 2500K*     | 84 | 82 | 92 | 96 | 81 | 82 | 93 | 82 | 61 | 23 | 84  | 82  | 82  | 85  | 99  | 75  |
| 2700K      | 93 | 93 | 97 | 99 | 93 | 92 | 93 | 95 | 87 | 69 | 87  | 94  | 89  | 94  | 99  | 90  |
| 3000K      | 92 | 92 | 94 | 96 | 93 | 92 | 93 | 93 | 84 | 63 | 87  | 94  | 86  | 92  | 97  | 89  |
| 3500K      | 93 | 93 | 95 | 95 | 94 | 93 | 92 | 95 | 87 | 69 | 87  | 94  | 82  | 93  | 97  | 91  |
| 4000K      | 91 | 91 | 93 | 94 | 92 | 91 | 90 | 94 | 87 | 64 | 83  | 92  | 78  | 91  | 96  | 89  |
| 4500K      | 93 | 93 | 94 | 94 | 93 | 92 | 90 | 95 | 89 | 71 | 85  | 92  | 73  | 93  | 97  | 92  |
| 5000K      | 94 | 94 | 94 | 93 | 94 | 93 | 91 | 96 | 93 | 78 | 86  | 94  | 75  | 94  | 96  | 93  |
| 5700K      | 92 | 94 | 92 | 90 | 93 | 93 | 88 | 93 | 93 | 79 | 81  | 93  | 76  | 93  | 94  | 94  |
| 6500K      | 93 | 93 | 93 | 91 | 94 | 93 | 88 | 95 | 93 | 78 | 83  | 93  | 71  | 93  | 95  | 93  |

\*84 CRI for 2500K

## CRI - 83+ (Standard)

| Color Temp | Ra | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|------------|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 1800K      | 85 | 85 | 95 | 93 | 81 | 85 | 97 | 81 | 63 | 32 | 90  | 92  | 87  | 78  | 97  | 99  |
| 2000K      | 83 | 82 | 93 | 94 | 81 | 82 | 95 | 80 | 57 | 17 | 86  | 82  | 89  | 84  | 98  | 74  |
| 2200K      | 84 | 83 | 93 | 94 | 82 | 83 | 95 | 81 | 58 | 15 | 86  | 83  | 88  | 85  | 98  | 74  |
| 2500K*     | 84 | 82 | 92 | 96 | 81 | 82 | 93 | 82 | 61 | 23 | 84  | 82  | 82  | 85  | 99  | 75  |
| 2700K      | 85 | 84 | 92 | 98 | 85 | 84 | 91 | 85 | 64 | 20 | 82  | 86  | 81  | 86  | 99  | 77  |
| 3000K      | 86 | 84 | 91 | 96 | 86 | 85 | 89 | 87 | 67 | 22 | 79  | 86  | 77  | 86  | 98  | 78  |
| 3500K      | 86 | 85 | 90 | 94 | 87 | 84 | 85 | 89 | 72 | 26 | 73  | 86  | 70  | 85  | 96  | 79  |
| 4000K      | 85 | 84 | 89 | 92 | 87 | 87 | 85 | 89 | 72 | 26 | 73  | 86  | 70  | 85  | 96  | 79  |
| 4500K      | 84 | 83 | 86 | 89 | 85 | 83 | 82 | 88 | 73 | 23 | 68  | 86  | 67  | 83  | 94  | 78  |
| 5000K      | 84 | 82 | 88 | 92 | 85 | 84 | 84 | 87 | 68 | 9  | 71  | 85  | 70  | 83  | 96  | 76  |
| 5700K      | 83 | 82 | 85 | 88 | 85 | 84 | 81 | 86 | 71 | 10 | 66  | 86  | 69  | 82  | 94  | 76  |
| 6500K      | 84 | 83 | 87 | 90 | 86 | 84 | 82 | 88 | 73 | 14 | 69  | 86  | 65  | 84  | 95  | 78  |

\*84 CRI for 2500K

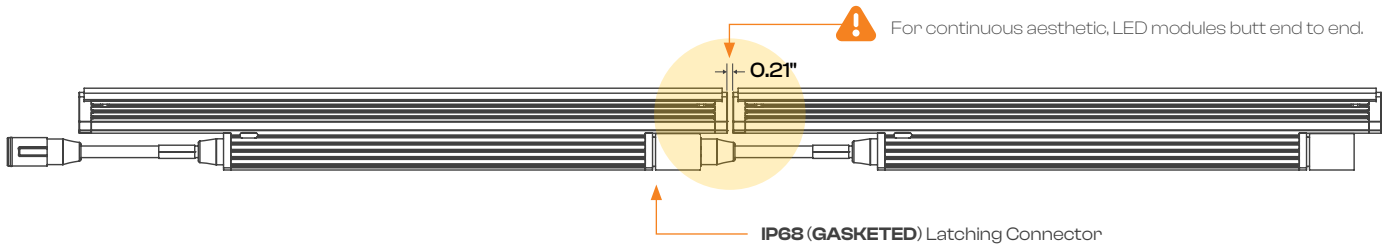
## ► Lumens Performance

DELIVERED LUMENS PER FOOT TABLE

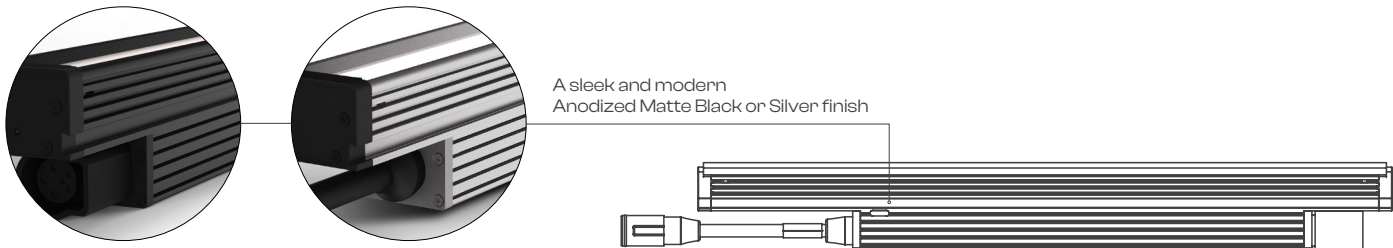
| BEAMS | 10'                       | 30' | 65'  | 82' | 120' |
|-------|---------------------------|-----|------|-----|------|
| WATTS | DELIVERED LUMENS PER FOOT |     |      |     |      |
| 5     | 297                       | 339 | 385  | 278 | 200  |
| 6     | 343                       | 391 | 444  | 321 | 279  |
| 7     | 411                       | 469 | 533  | 385 | 394  |
| 8     | 480                       | 548 | 622  | 450 | 512  |
| 9     | 548                       | 626 | 711  | 514 | 640  |
| 10    | 594                       | 678 | 770  | 557 | 785  |
| 11    | 651                       | 743 | 844  | 610 | 945  |
| 12    | 720                       | 822 | 933  | 674 | 1130 |
| 13    | 777                       | 887 | 1007 | 728 | 1310 |
| 14    | 857                       | 978 | 1110 | 803 | 1566 |

Lumens per foot based on a 4' LED Module at 3000K.

▶ LED Module - Connections

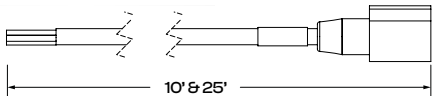


▶ LED Module - Finishes



▶ Power Input - Cables

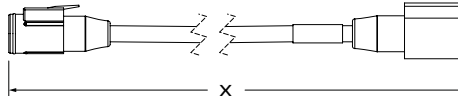
|          |             |
|----------|-------------|
| Straight | G-PIC-B-010 |
| Straight | G-PIC-B-025 |



▶ Jumper - Cables

Black Finish.

| Jumper Cable Length (X) |     |
|-------------------------|-----|
| G-JMP-B-001             | 1'  |
| G-JMP-B-003             | 3'  |
| G-JMP-B-006             | 6'  |
| G-JMP-B-010             | 10' |

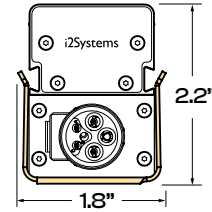
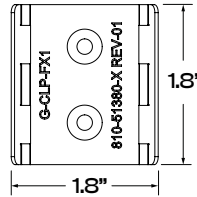
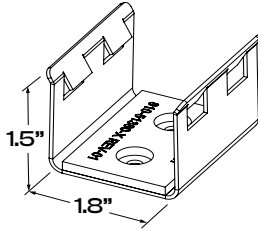
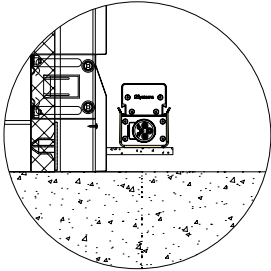


► **Surface Mounting - Brackets (2 per LED Module)**

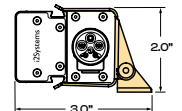
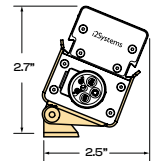
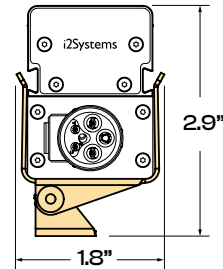
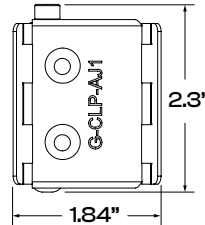
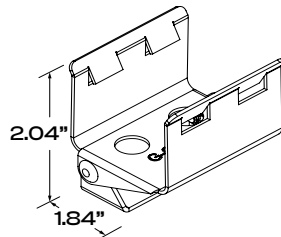
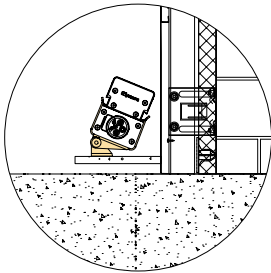


\*Brackets provided finished in **Black**.

**G-CLP-FX1\*** | Low Profile Fixed



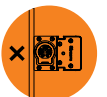
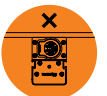
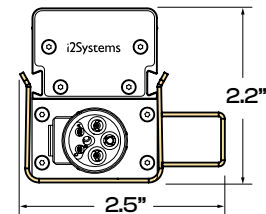
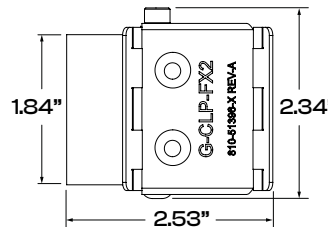
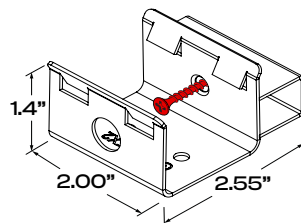
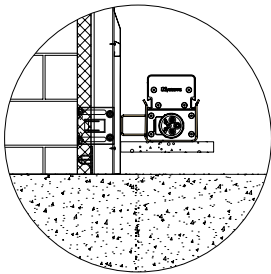
**G-CLP-AJ1\*** | Adjustable



**G-CLP-FX2\*\*** | Low Profile Fixed with Spacer



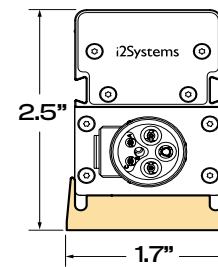
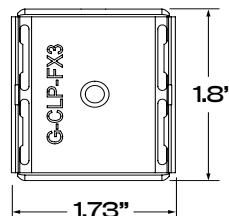
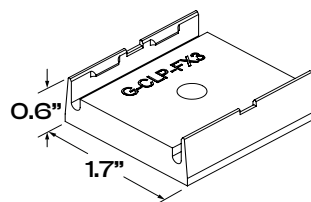
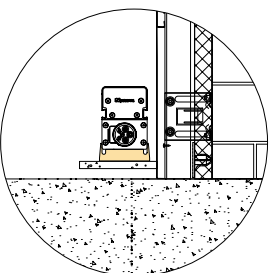
\*\*Can only be installed on an **horizontal configuration** with luminaire facing up.



**G-CLP-FX3\*\*** | Bottom Profile Fixed



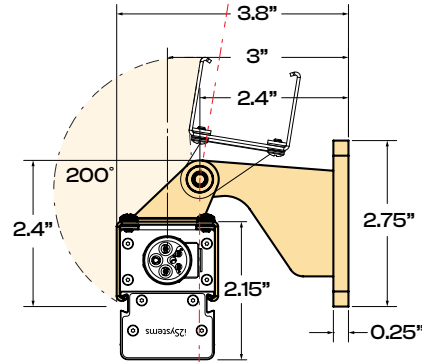
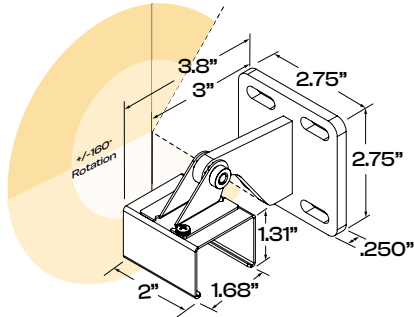
\*\*Can only be installed on an **horizontal configuration** with luminaire facing up.



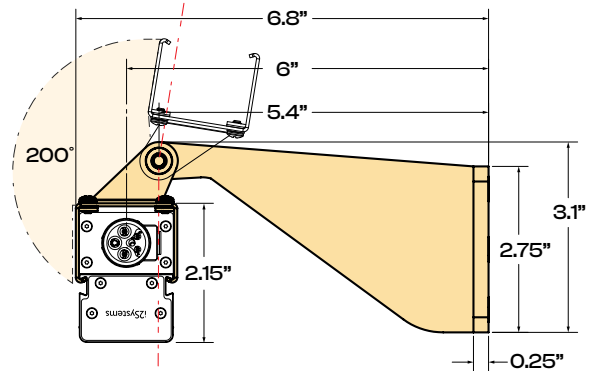
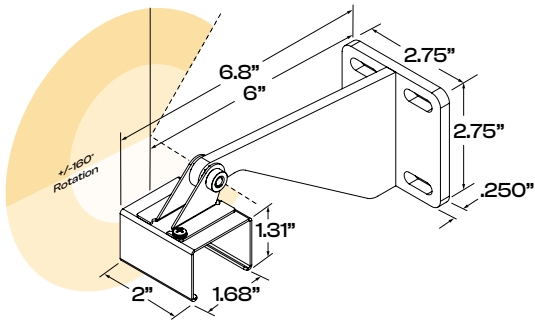
► Surface Mounting - Brackets

⚠️ \*Consult factory for custom lengths and finishes.  
Standard finish **Matte Black**.

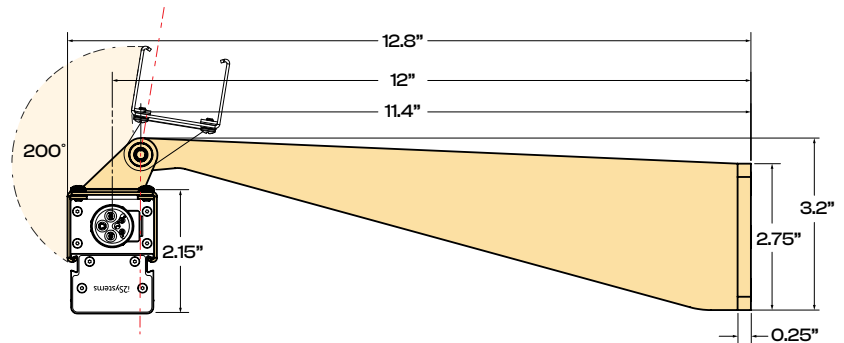
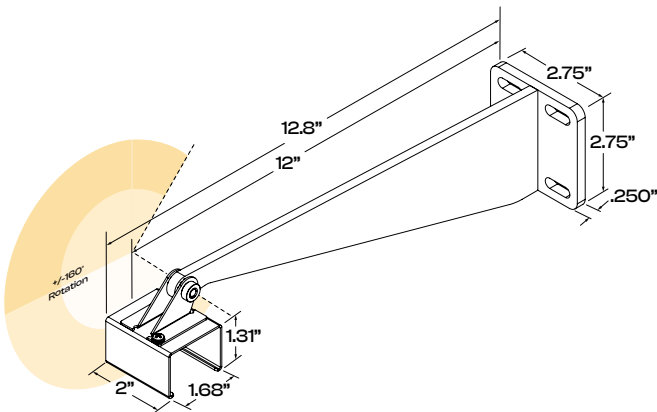
**G-EXT-ARM1-03\*** | 3" Extension Arm



**G-EXT-ARM1-06\*** | 6" Extension Arm



**G-EXT-ARM1-12\*** | 12" Extension Arm

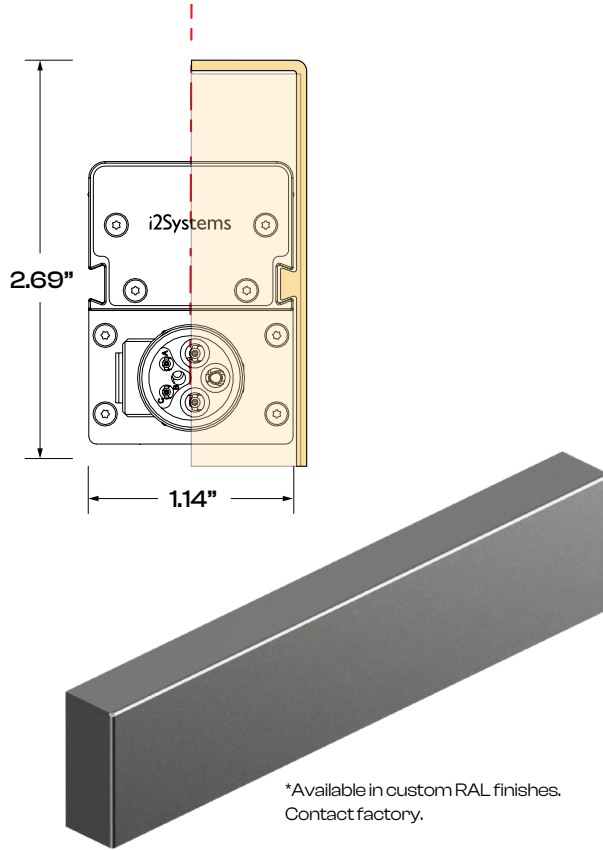


► Valances / Facade Shields / Aesthetic Valance Covers

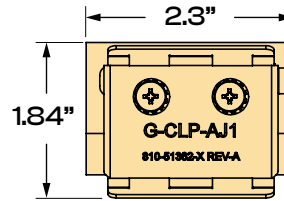


\*Consult factory for custom RAL finishes.  
Standard finish **Matte Black**.

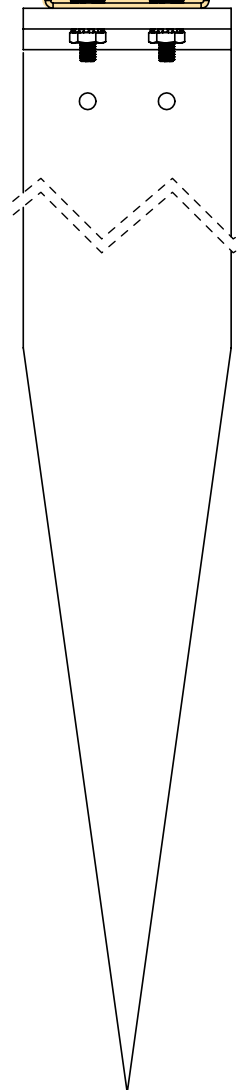
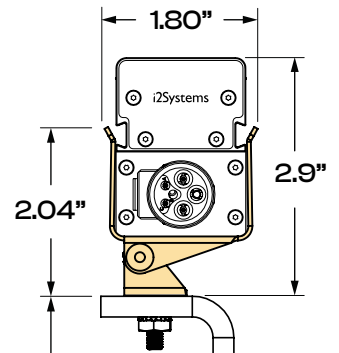
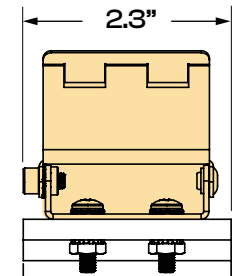
**G-ASYM-SHRD** | Asymmetric Shroud



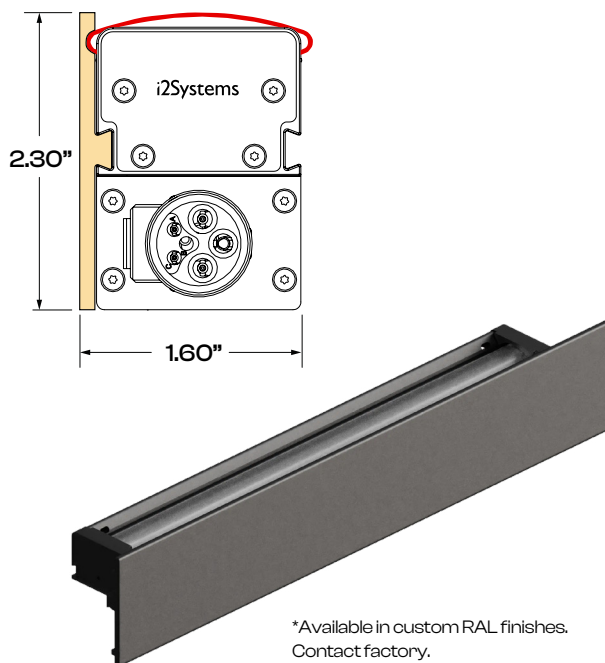
**G-CLP-STK1** | Ground Stake



**\*Utilizes Adjustable Bracket (G-CLP-AJ1)**

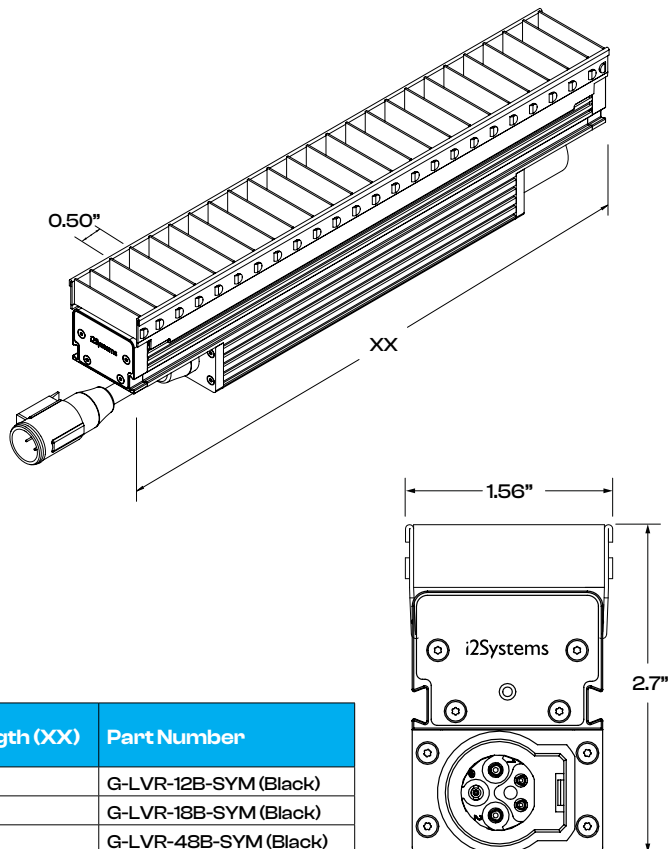


**G-PRF-SHLD** | Profile Shield



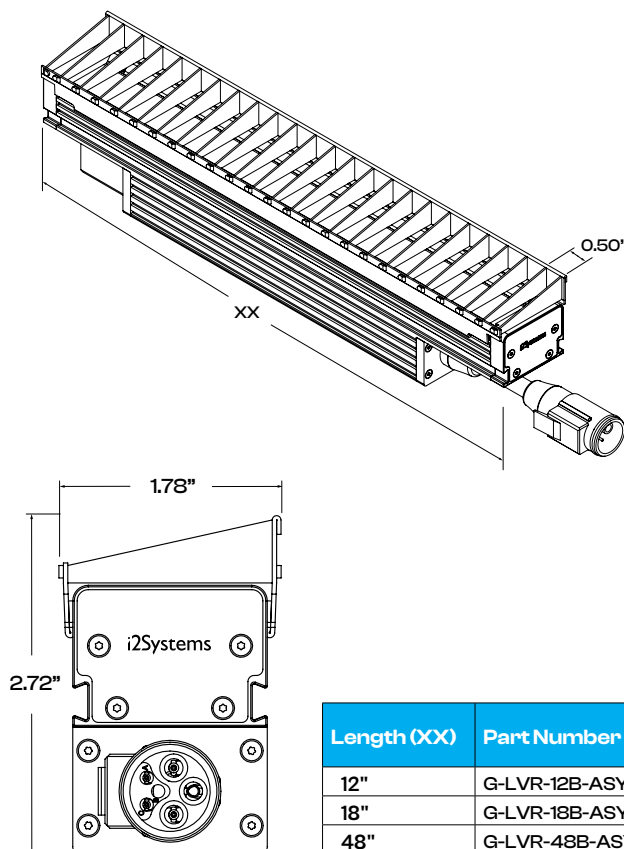
► LED Module - Louvers

**G-LVR-XXB-SYM\*** | Symmetric Louver Black



| Length (XX) | Part Number           |
|-------------|-----------------------|
| 12"         | G-LVR-12B-SYM (Black) |
| 18"         | G-LVR-18B-SYM (Black) |
| 48"         | G-LVR-48B-SYM (Black) |

**G-LVR-XXB-ASYM\*** | Asymmetric Louver Black

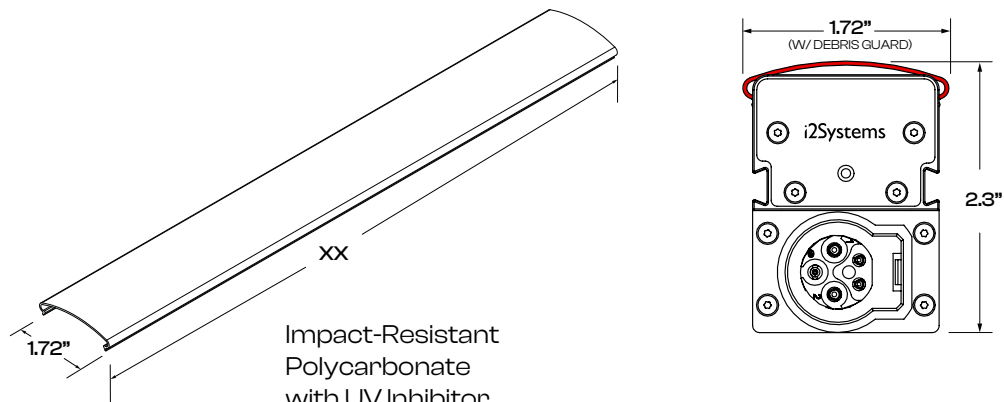


| Length (XX) | Part Number            |
|-------------|------------------------|
| 12"         | G-LVR-12B-ASYM (Black) |
| 18"         | G-LVR-18B-ASYM (Black) |
| 48"         | G-LVR-48B-ASYM (Black) |

► LED Module - Debris Guard

Included Standard. Part Description for Technical Clarification or Attic Stock.

**G-DG-XX** | Debris Guard



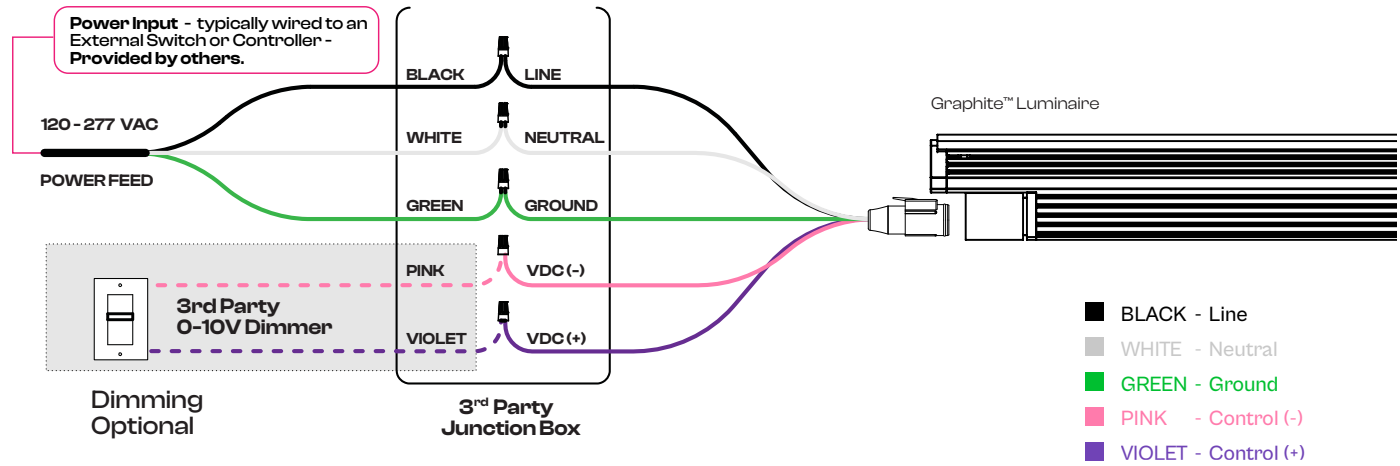
| Length (XX) | Part Number |
|-------------|-------------|
| 12"         | G-DG-12     |
| 18"         | G-DG-18     |
| 48"         | G-DG-48     |

Impact-Resistant  
Polycarbonate  
with UV Inhibitor

Measured Light Loss +/- 10%

## Controls

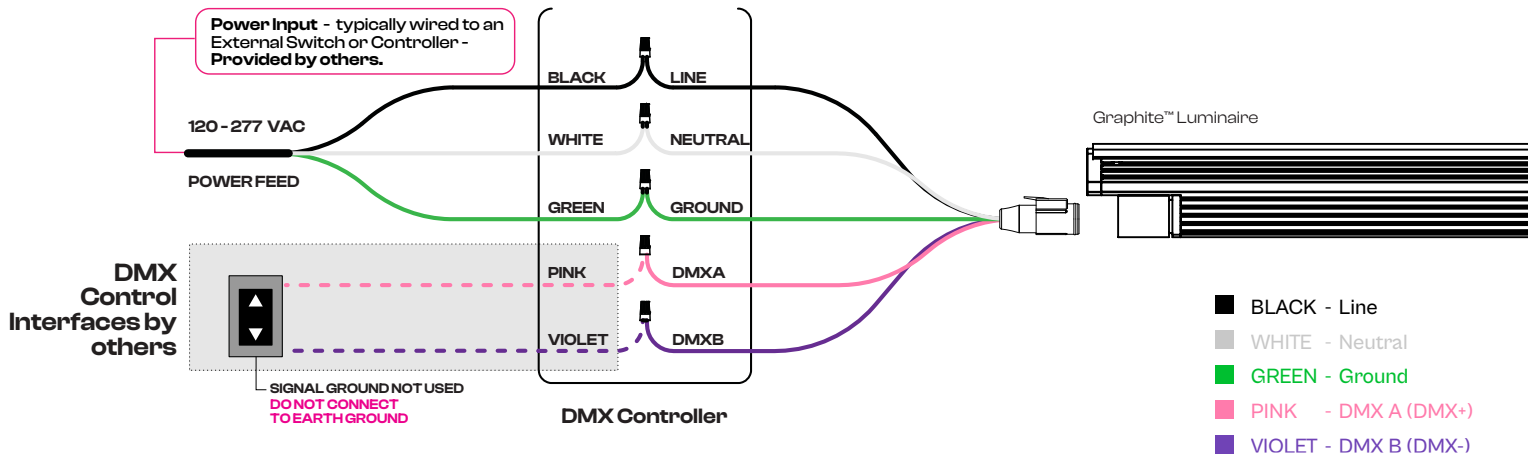
### V | 0-10V



### D | DMX



- Up to **512 Addresses** per Controller.
- For Static White, use only **(1) one control channel per light fixture.**  
(The same Address can be used for multiple lights)



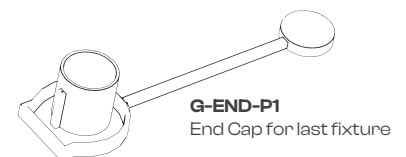
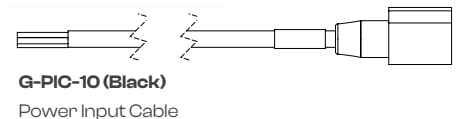
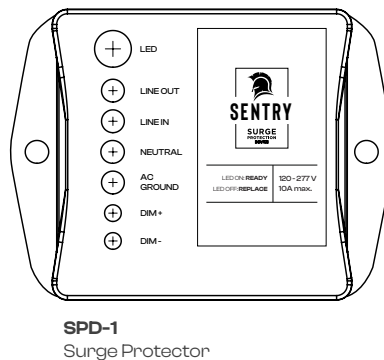
## LED Module Power Entry Kit

Included Standard. Part Description for Technical Clarification.

### G-PI-PKG | Power Input Kit

G-PIC-10 (Black) | G-END-P1 | SPD-1

**SPD Surge Protection Device** - Input and Dimming line protection against surges and spikes. Wire in front of power entry cable in J-Box.



## Controls

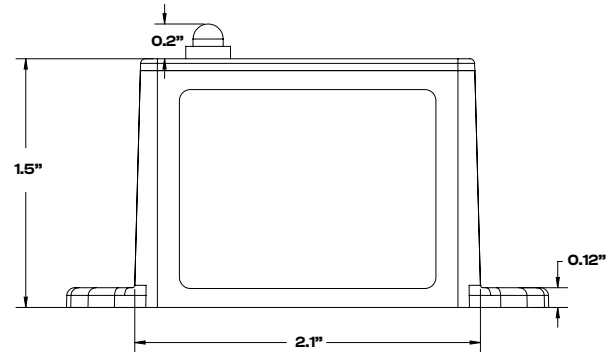
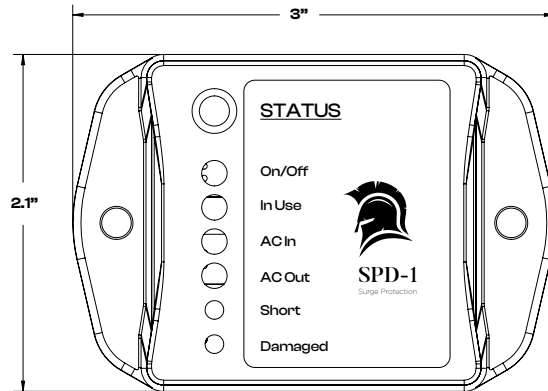
### SENTRY Power Line Protection for Over Voltage and Transients

## THE FIRST LINE OF DEFENSE

Protects against surges  
of up to **20,000 joules**.  
**5000 amps** at 277VAC



Designed to limit the surge voltage magnitude to a level that does not damage the internal circuitry of the luminaire.  
**SENTRY MODULE** included with every Power Input Cable.



## SENTRY Wiring Diagrams

