

## SPECIFICATION SHEET

HueCraft Linear merges powerful RGBL technology into a low-profile linear form. Offered in 1, 2, and 4-foot increments, it delivers smooth in-lens quad-chip color blending and consistent transitions across long runs. Built to withstand the elements with an IP67 rating, HueCraft Linear features waterproof quick-connectors for easy installation.

### COLOR



Archi-Color®  
RGBL

### FINISH



Matte Black



Matte White



Custom RAL

### CCT



RGB + 3000K



RGB + 4000K



RGB + 6500K



RGB + Lime



RGB + Amber



Tunable  
White

### OPTICS



15°



30°



45°



60°



15°x60°



60°x15°

### MOUNTING



Swivel  
Bracket



Cantilever  
Arm



### Archi-Color® RGBL

Now tailored for outdoor applications, our refined RGBL system introduces Lime LEDs for better performance and higher efficacy. The expanded spectrum enhances the colors that matter most outdoors—richer ambers, natural reds, deeper greens, and the golden-yellow glow reminiscent of sodium lighting. Archi-Color also enables balanced white light mixing, delivering cleaner, more natural tones alongside vivid, saturated color.

### DriveMax™

Take your lighting further, drive single color channels up to 80% of fixture power, or dual channels simultaneously at 100%. Achieve bolder effects with greater efficiency.

### LISTING



## ELECTRICAL

|                           |                                                                                                                                                                                                                                                                         |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Input               | 30W, 60W, 120W, 120-277 VAC                                                                                                                                                                                                                                             |
| Power Factor              | > 0.9                                                                                                                                                                                                                                                                   |
| Driver Location           | Integral                                                                                                                                                                                                                                                                |
| Surge Protection          | Integral 4kV surge protector                                                                                                                                                                                                                                            |
| Flicker-Free              | Proprietary VX Driver™ is incorporated to all dimming options for video flicker-free lighting                                                                                                                                                                           |
| High-Output Channel Drive | DriveMax™ allows individual color channels to operate at up to 80% of the fixture's total power, or two channels simultaneously at full output. <i>Channel drive capability may vary depending on configuration. Refer to the Performance section for full details.</i> |

## PHYSICAL

|                  |                                                                                                                                                        |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Housing Material | High pressure die-cast aluminum, tempered glass                                                                                                        |
| Finish           | Black, White, Custom RAL, Optional C5-M anticorrosion coating                                                                                          |
| Dimensions       | Length x 3.17" x 3.17"                                                                                                                                 |
| Housing Length   | 1 ft, 2 ft, 4 ft                                                                                                                                       |
| Maximum Fixtures | Maximum 32 fixtures per DMX daisy chain; power limits allow 120V: 28 (1 ft/2 ft) or 15 (4 ft) and 240V+: 28 (1 ft/2 ft) or 24 (4 ft) fixtures per run. |
| Weight           | 2.64 lbs, 4.63 lbs, 8.81 lbs / 1.2 kg, 2.1 kg, 4 kg                                                                                                    |
| EPA              | Bracket: 0.219 ft² (Top)   0.158 ft² (Front)   0.036 ft² (Side)                                                                                        |
| Adjustability    | 90° Swivel                                                                                                                                             |
| Mounting         | Swivel Bracket, Cantilever Arm                                                                                                                         |
| Setback Distance | A 6-inch setback distance is recommended for optimal wall uniformity                                                                                   |

## PHOTOMETRIC PERFORMANCE

|                   |                                                                                 |
|-------------------|---------------------------------------------------------------------------------|
| Lumen Output      | 6,900 lm (@4ft, 15° RGBL)                                                       |
| Beam Angle        | 15°, 30°, 45°, 60°, 15°x60°, 60°x15°                                            |
| Colors            | Archi-Color® RGB + Lime                                                         |
| Color Rendering   | CRI 85+                                                                         |
| Lumen Maintenance | Long lasting LED luminaire tested under TM21 lumen maintenance L70 @ 65,000 Hrs |
| LED Layout        | Discreet quad-chip (4-in-1) RGBL                                                |

## CONTROL

|                   |                                                                                                                                                                                                  |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Control           | 4 Channel DMX                                                                                                                                                                                    |
| Dimming           | DMX high resolution 16 bit dimming curve dims to 0.1%, supports ANSI E1.20 RDM protocol                                                                                                          |
| Cable/Connections | Fixtures can be specified in hard-wired or IP68-rated waterproof quick connectors for streamlined installation. Leader and jumper cables are sold separately to support flexible system layouts. |
| Resolution        | Default factory setting available in Per 1 ft Resolution (1 ft - 4 Channel DMX) or Per Fixture Resolution (1 Fixture - 4 Channel DMX)                                                            |

## ENVIRONMENTAL

|                       |                              |
|-----------------------|------------------------------|
| Operating Temperature | -40°F ~ 122°F / -40°C ~ 50°C |
| Environment           | ETL Wet Location             |
| Ingress Protection    | IP67                         |
| Listing               | ETL, CE, FCC                 |

## WARRANTY

|          |                         |
|----------|-------------------------|
| Warranty | 5-year limited warranty |
|----------|-------------------------|

## CATALOG - FIXTURE

|         |      |          |
|---------|------|----------|
| PROJECT | TYPE | QUANTITY |
|---------|------|----------|

PRODUCT CONFIGURATOR Try our **product configurator** on our website to easily specify your requirements and add items to a fixture list.

| MODEL                                                                                                       | WATTAGE                 | COLORS                                                                                                                                                                                                                                                        | VOLTAGE                     | DIMMING                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>HL1</b><br>HueCraft Linear 1ft<br><b>HL2</b><br>HueCraft Linear 2ft<br><b>HL4</b><br>HueCraft Linear 4ft | <b>30</b><br>30W per ft | <b>RGBL</b><br>RGB + Lime<br><b>RGBA<sup>1</sup></b><br>RGB + Amber<br><b>RGB30<sup>1</sup></b><br>RGB + 3000K<br><b>RGB40<sup>1</sup></b><br>RGB + 4000K<br><b>RGB65<sup>1</sup></b><br>RGB + 6500K<br><b>TNW<sup>1</sup></b><br>Tunable White 1800K - 6500K | <b>UNV</b><br>120 - 277 VAC | <b>DMX1F</b><br>DMX high resolution dims to 0.01%,<br>1 ft segment control<br><b>DMX2F<sup>2</sup></b><br>DMX high resolution dims to 0.01%,<br>2 ft segment control<br><b>DMX4F<sup>3</sup></b><br>DMX high resolution dims to 0.01%,<br>whole fixture control |

| OPTIC                                                                                                                                | FINISH                                                                             | MOUNTING                                                                                      | CABLE ENTRY                                                                             | ACCESSORIES                                                                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>15</b><br>15°<br><b>30</b><br>30°<br><b>45</b><br>45°<br><b>60</b><br>60°<br><b>1560</b><br>15° x 60°<br><b>6015</b><br>60° x 15° | <b>BLK</b><br>Black<br><b>WHT</b><br>White<br><b>RAL<sup>4</sup></b><br>Custom RAL | <b>BRK</b><br>Bracket<br><b>CA6</b><br>Cantilever Arm 6"<br><b>CA12</b><br>Cantilever Arm 12" | <b>RHT<sup>5</sup></b><br>Right Side Input<br><b>LFT<sup>5</sup></b><br>Left Side Input | <b>C5M<sup>6</sup></b><br>C5-M Anticorrosion<br>Coating<br><b>GSV<sup>7</sup></b><br>Glare Shield Visor<br><b>SPD<sup>8</sup></b><br>Surge Protector |

## Notes

1. Tailored control modes are available to simulate specific color temperatures or tonal ranges using the native Archi-Color® RGBL quad-chip engine.
2. DMX2F is not compatible with HL1
3. DMX4F is not compatible with HL1 and HL2
4. Custom RAL finish – please provide RAL number to your representative. Longer lead time required.
5. Please specify left or right side for power input when facing the wall to ensure correct mounting orientation.
6. Certified to ISO 12944 for high-corrosion environments. Ideal for coastal, marine, and industrial installations exposed to salt, moisture, or pollutants.
7. Use of the Glare Shield Visor (GSV) results in an estimated 20% reduction in lumen output.
8. Surge protector for up to 10KV. Applicable for unstable mains or facilities using high power machineries.

## CATALOG - CABLE & CONNECTION

### LEADER CABLE

|                                          |                                  |                  |                     |                 |
|------------------------------------------|----------------------------------|------------------|---------------------|-----------------|
| <b>HLC</b>                               | <b>LC</b>                        | <b>1</b>         | <b>BLK</b>          |                 |
| <b>MODEL</b>                             | <b>TYPE</b>                      | <b>LENGTH</b>    | <b>FINISH</b>       | <b>QUANTITY</b> |
| <b>HLC</b><br>HueCraft Linear Connectors | <b>LC</b><br>Leader Cable (Male) | <b>1</b><br>1 ft | <b>BLK</b><br>Black |                 |

### JUMPER CABLE

|                                          |                                         |                                                              |                     |                 |
|------------------------------------------|-----------------------------------------|--------------------------------------------------------------|---------------------|-----------------|
| <b>HLC</b>                               | <b>JC</b>                               |                                                              | <b>BLK</b>          |                 |
| <b>MODEL</b>                             | <b>TYPE</b>                             | <b>LENGTH</b>                                                | <b>FINISH</b>       | <b>QUANTITY</b> |
| <b>HLC</b><br>HueCraft Linear Connectors | <b>JC</b><br>Jumper Cable (Male-Female) | <b>5</b><br>5 ft<br><b>10</b><br>10 ft<br><b>25</b><br>25 ft | <b>BLK</b><br>Black |                 |

### DMX TERMINATOR

|                                          |                                                          |                 |
|------------------------------------------|----------------------------------------------------------|-----------------|
| <b>HLC</b>                               | <b>DMXT</b>                                              |                 |
| <b>MODEL</b>                             | <b>TYPE</b>                                              | <b>QUANTITY</b> |
| <b>HLC</b><br>HueCraft Linear Connectors | <b>DMXT</b><br>DMX Terminator, one required for each run |                 |

## PERFORMANCE

|        | COLOR     | WATTAGE | LUMEN    | PEAK CANDELA |
|--------|-----------|---------|----------|--------------|
| 15°    | RGBL Full | 30 W    | 1,725 lm | 8,083 cd     |
|        | Red       | 20.6 W  | 1,079 lm | 5,054 cd     |
|        | Green     | 23.6 W  | 1,661 lm | 7,782 cd     |
|        | Blue      | 24.4 W  | 372 lm   | 1,754 cd     |
|        | Lime      | 23.7 W  | 1,815 lm | 8,500 cd     |
| 30°    | RGBL Full | 30 W    | 1,528 lm | 2,945 cd     |
|        | Red       | 20.6 W  | 955 lm   | 1,841 cd     |
|        | Green     | 23.6 W  | 1,471 lm | 2,836 cd     |
|        | Blue      | 24.4 W  | 330 lm   | 636 cd       |
|        | Lime      | 23.7 W  | 1,607 lm | 3,097 cd     |
| 45°    | RGBL Full | 30 W    | 1,339 lm | 1,169 cd     |
|        | Red       | 20.6 W  | 837 lm   | 731 cd       |
|        | Green     | 23.6 W  | 1,289 lm | 1,125 cd     |
|        | Blue      | 24.4 W  | 289 lm   | 252 cd       |
|        | Lime      | 23.7 W  | 1,408 lm | 1,229 cd     |
| 60°    | RGBL Full | 30 W    | 1,290 lm | 1,085 cd     |
|        | Red       | 20.6 W  | 806 lm   | 679 cd       |
|        | Green     | 23.6 W  | 1,242 lm | 1,045 cd     |
|        | Blue      | 24.4 W  | 278 lm   | 234 cd       |
|        | Lime      | 23.7 W  | 1,356 lm | 1,142 cd     |
| 15x60° | RGBL Full | 30 W    | 1,760 lm | 2,866 cd     |
|        | Red       | 20.6 W  | 1,100 lm | 1,792 cd     |
|        | Green     | 23.6 W  | 1,694 lm | 2,759 cd     |
|        | Blue      | 24.4 W  | 380 lm   | 619 cd       |
|        | Lime      | 23.7 W  | 1,851 lm | 3,014 cd     |

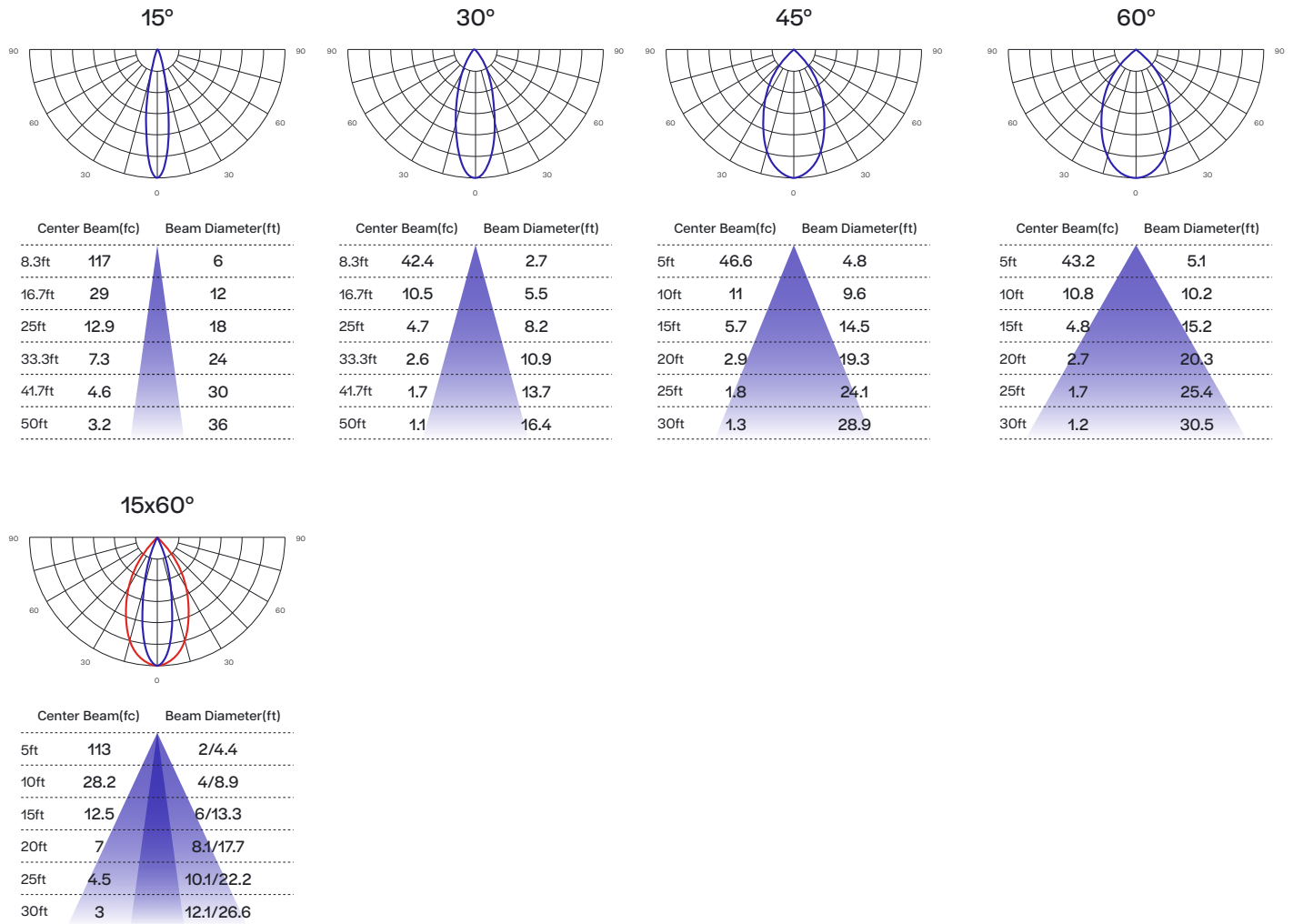
**Note:** Tolerance ±10%, CCT values are mixed from RGBL and not listed individually.

Approximate lumen outputs can be calculated by applying the following scale factors to the RGBL Full lumen value:

- 3000K = RGBL × 1.19
- 4000K = RGBL × 1.18
- 6500K = RGBL × 1.14

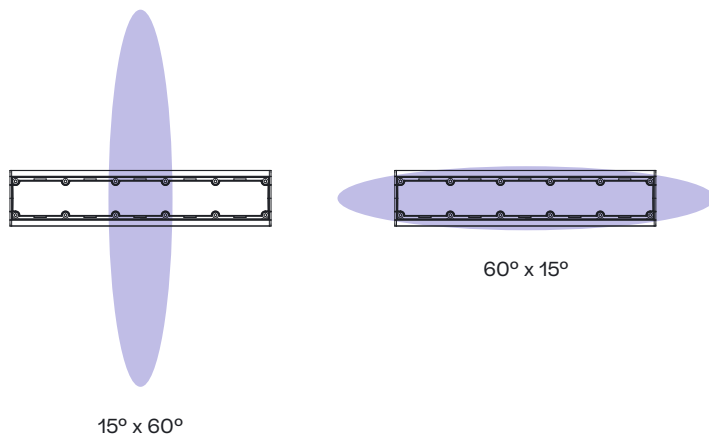
## PHOTOMETRICS\*

\* Data measured @RGBL full on.



## ELLIPTICAL BEAM ANGLES

The first number refers to the beam width in the horizontal (H) axis, and the second number refers to the vertical (V) axis, H° x V°.



## DMX CHART

The HueCraft Linear is a four channel DMX unit. When placing an order, please indicate DMX address. (The DMX address will be listed on the back of the fixture). Do not connect more than 32 fixtures per DMX daisy chain.

### DMX ADDRESS (PERSONALITY 1-5)

| Fixture # \ Channel | Red Control (ex. X) | Green Control (ex. X+1) | Blue Control (ex. X+2) | White / Lime / Amber (ex. X+3) |
|---------------------|---------------------|-------------------------|------------------------|--------------------------------|
| #1                  | 1                   | 2                       | 3                      | 4                              |
| #2                  | 5                   | 6                       | 7                      | 8                              |
| #3                  | 9                   | 10                      | 11                     | 12                             |

### DMX ADDRESS (PERSONALITY 6-7)

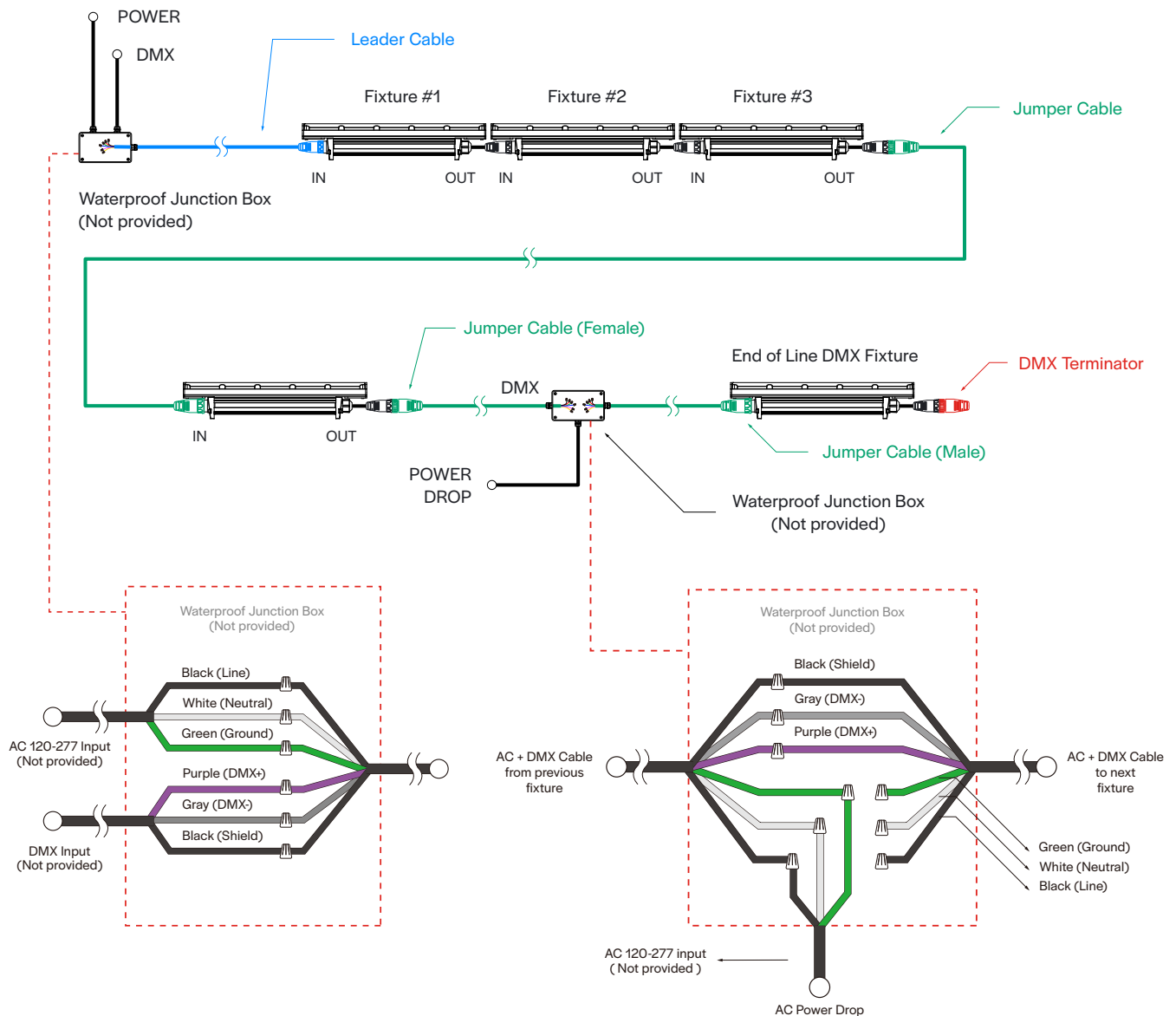
| Fixture # \ Channel | Intensity (ex. X) | Tunable White / Preset Color (ex. X+1) |
|---------------------|-------------------|----------------------------------------|
| #1                  | 1                 | 2                                      |
| #2                  | 3                 | 4                                      |
| #3                  | 5                 | 6                                      |

## COMPATIBLE DMX CABLING

DMX uses a cable consisting of two twisted pairs plus a shield to carry data. The cable must be specifically impedance matched for the digital DMX signal, meaning that microphone cable or other non-rated cable must not be used to carry DMX. We recommend the use of Belden 9729 or Belden 9841 for DMX installation. Belden 9729/9841 is a two pair cable, which allows for a spare pair for 'out and back' type terminations if needed. A DMX terminator is also required at the end of each DMX chain to ensure proper signal transmission and prevent data reflection.

## CONNECTION

\* This diagram is for illustrative purposes only. All installations must comply with applicable electrical codes and safety standards. Follow NEC requirements and consult a qualified professional for proper implementation.



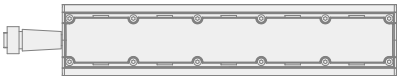
## MAXIMUM CONTINUOUS RUN

| Input Voltage | Max Run Length<br>per Power Drop | HL1         | HL2         | HL4         |
|---------------|----------------------------------|-------------|-------------|-------------|
| 120V          | 40 ft                            | 32 fixtures | 20 fixtures | 10 fixtures |
| 277V          | 90 ft                            | 32 fixtures | 32 fixtures | 22 fixtures |

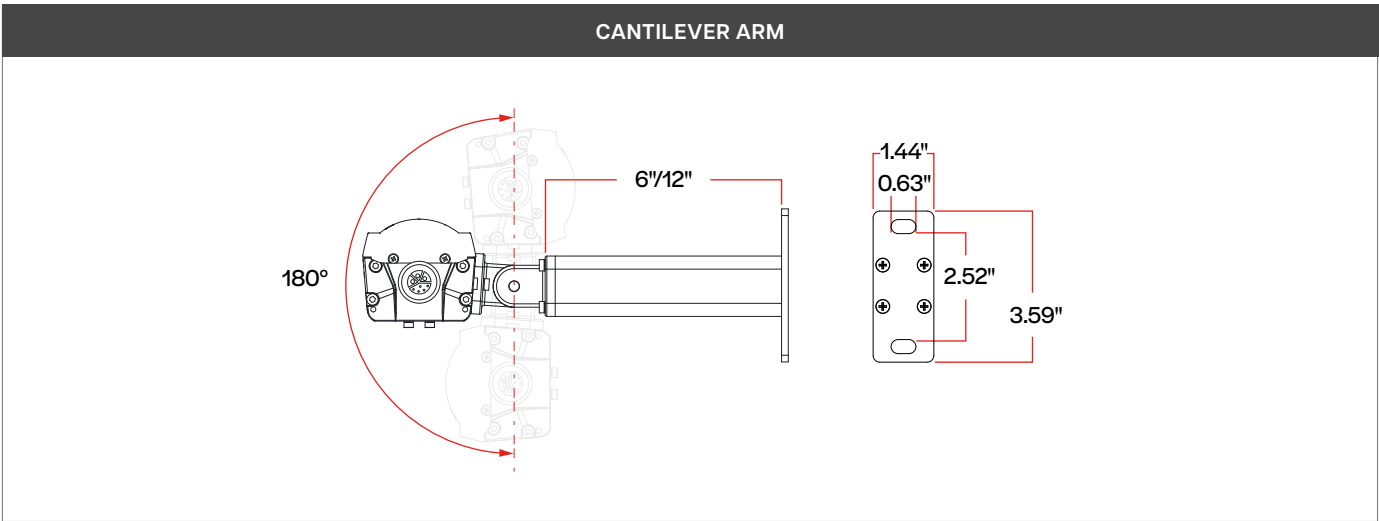
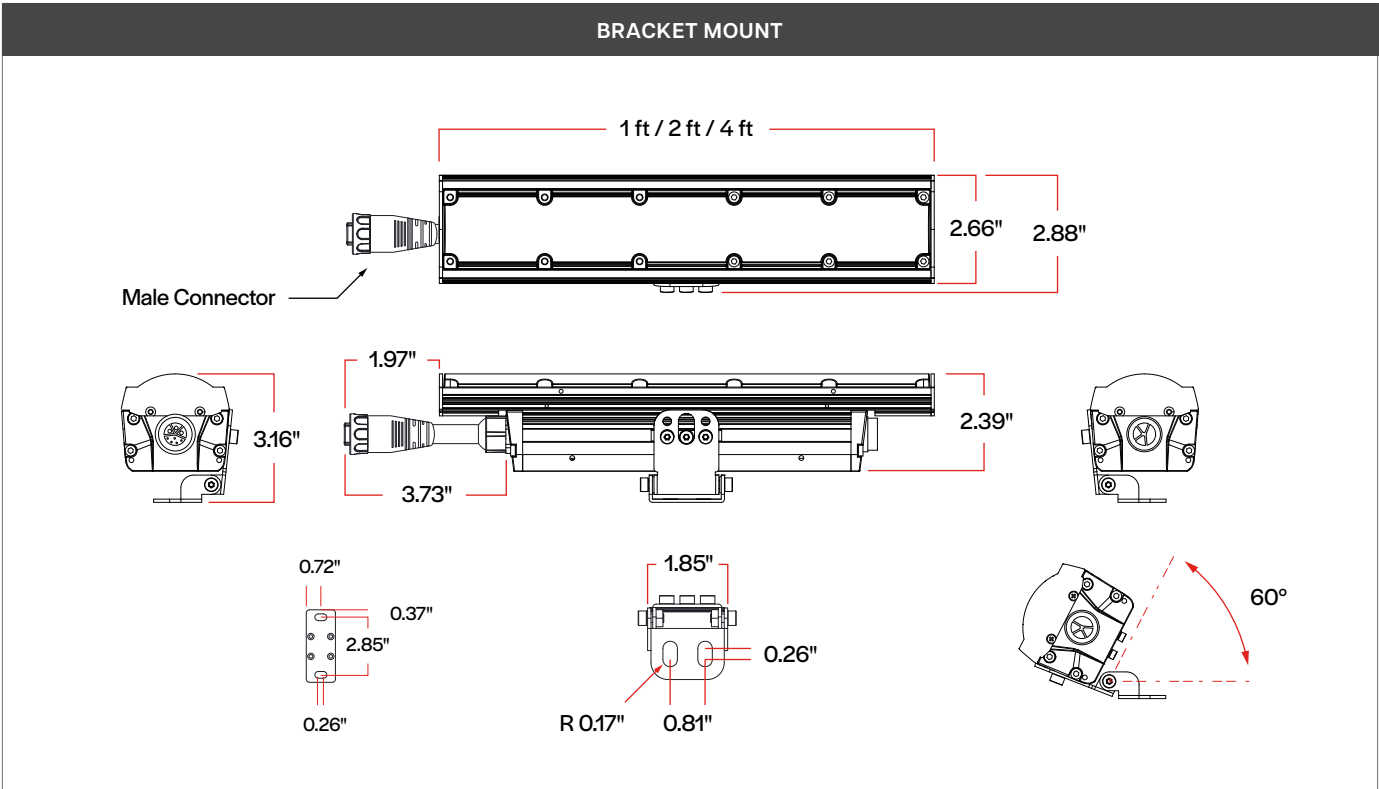
### Note:

- Maximum fixtures per daisy chain: 32 fixtures
- Power drops: Power must be reintroduced at defined distances via a junction box due to voltage drop limitations.

EPA VALUES

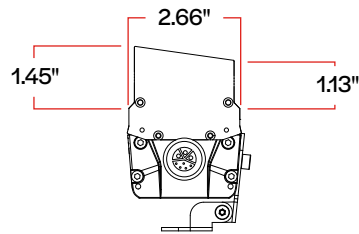
| BRACKET                                                                           |                                                                                    |                                                                                     |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |
| Top                                                                               | Front                                                                              | Side                                                                                |
| 0.219 ft²                                                                         | 0.158 ft²                                                                          | 0.036 ft²                                                                           |

DIMENSIONS

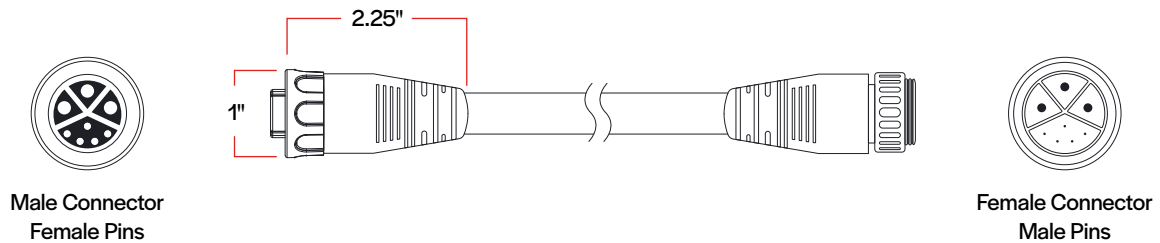


## DIMENSIONS

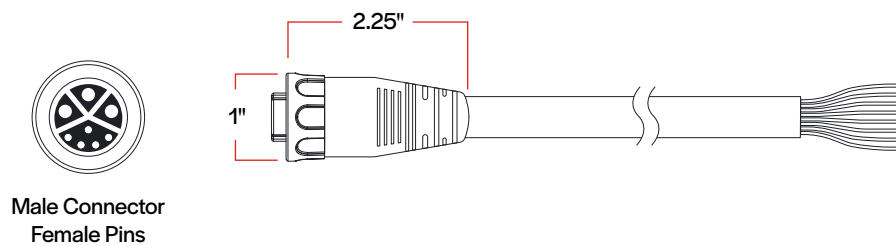
### GLARE SHIELD VISOR



### JUMPER CABLE

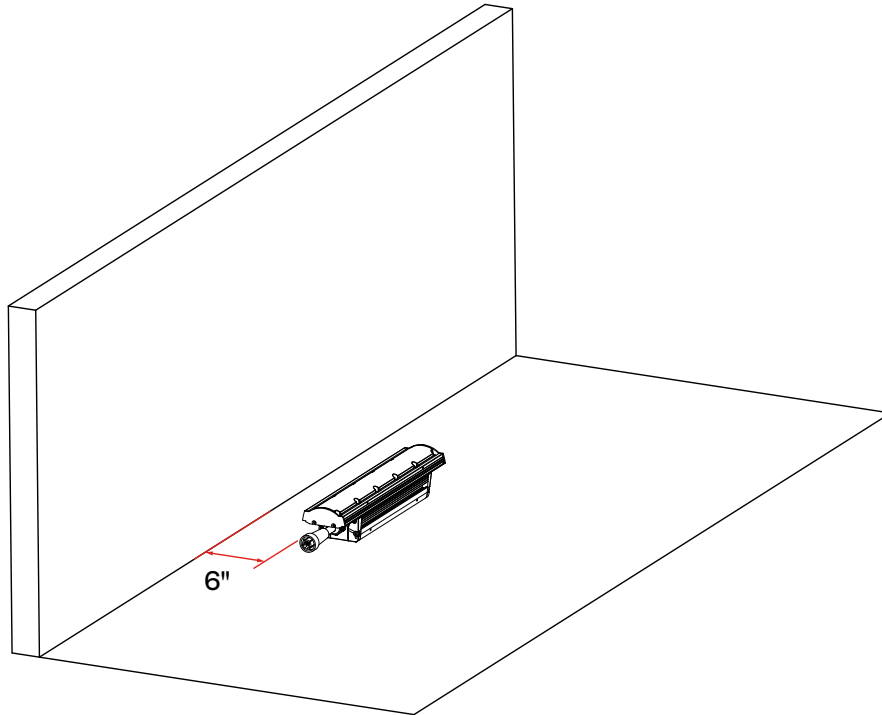


### LEADER CABLE



## DIMENSIONS

### SETBACK DISTANCE

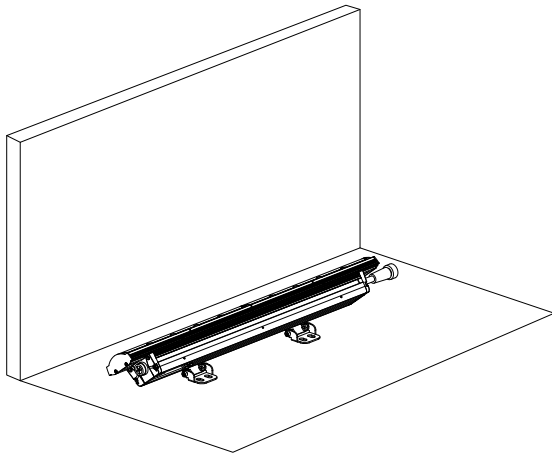


A 6-inch setback distance is recommended for optimal wall uniformity.

## DIMENSIONS

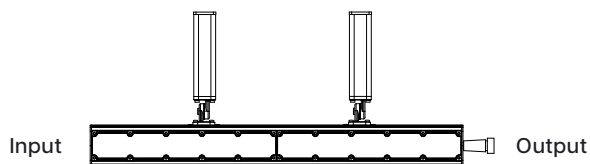
### CABLE ENTRY

#### LEFT SIDE INPUT



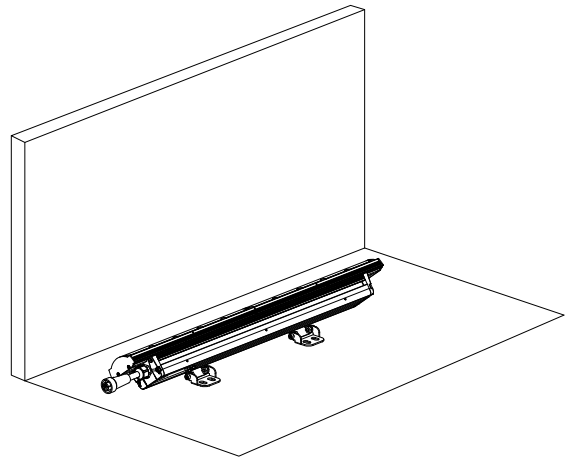
Input  Output

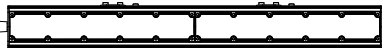
Bracket



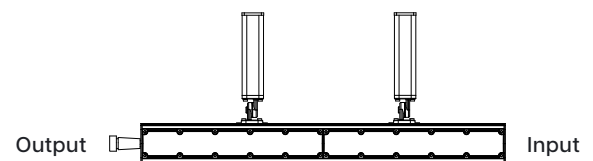
Cantilever Arm 6" / 12"

#### RIGHT SIDE INPUT



Output  Input

Bracket



Cantilever Arm 6" / 12"