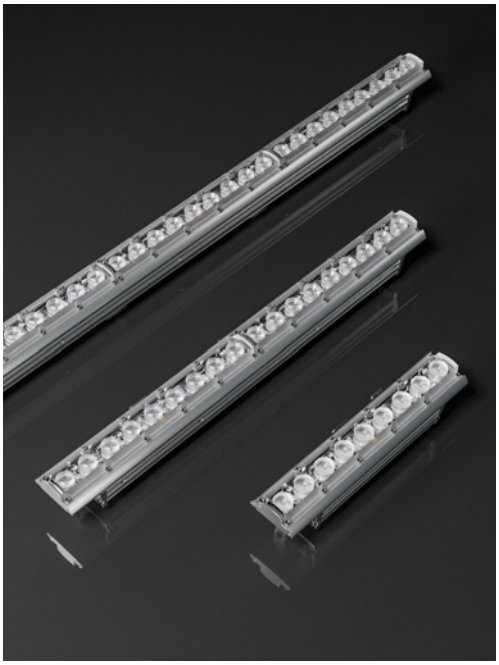
HueCraft Linear

exteria

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

Silver

Matte Black

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

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	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. *Channel drive capability may vary depending on configuration. Refer to the Performance section for full details.*

PHYSICAL

Housing Material	High pressure die-cast aluminum, tempered glass
Finish	Silver, Black, 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	At 120V, up to 28 fixtures (1 ft, 2 ft) or 15 fixtures (4 ft) per chain; at 240V and above, up to 28 fixtures (1 ft, 2 ft) or 24 fixtures (4 ft)
Weight	2.64 lbs, 4.63 lbs, 8.81 lbs / 1.2 kg, 2.1 kg, 4 kg
EPA	Bracket: 0.219 ft^2 (Top) | 0.158 ft^2 (Front) | 0.036 ft^2 (Side)
Adjustability	90° Swivel
Mounting	Swivel Bracket

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 24 bit high resolution dims to 0.001%, 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.

ENVIRONMENTAL

Operating Temperature	-4°F ~ 113°F / -20°C~45°C
Environment	ETL Wet Location
Ingress Protection	IP67
Listing	ETL, CE, FCC

WARRANTY

Warranty	5-year limited warranty

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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.

	30		UNV	DMX
MODEL	**WATTAGE**	**COLORS**	**VOLTAGE**	**DIMMING**
HL1 HueCraft Linear 1ft **HL2** HueCraft Linear 2ft **HL4** HueCraft Linear 4ft	**30** 30W per ft	**RGBL** RGB + Lime **RGBA**[1] RGB + Amber **RGB30**[1] RGB + 3000K **RGB40**[1] RGB + 4000K **RGB65**[1] RGB + 6500K **TNW**[1] Tunable White 1800K - 6500K	**UNV** 120 - 277 VAC	**DMX** DMX 24 bit high resolution dims to 0.001%, supports ANSI E1.20 RDM protocol

		BRK		C5M
OPTIC	**FINISH**	**MOUNTING**	**CABLE ENTRY**	**ACCESSORIES**
15 15° **30** 30° **45** 45° **60** 60° **1560** 15° x 60° **6015** 60° x 15°	**SLV** Silver **BLK** Black **RAL**[2] Custom RAL	**BRK** Bracket	**RHT**[3] Right Side Input **LFT**[3] Left Side Input	**C5M**[4] C5-M Anticorrosion Coating

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. Custom RAL finish – please provide RAL number to your representative. Longer lead time required.
3. The fixture has a 90° adjustable hinge on the wall-facing side. Please specify left or right side for power input when facing the wall to ensure correct mounting orientation.
4. Certified to ISO 12944 for high-corrosion environments. Ideal for coastal, marine, and industrial installations exposed to salt, moisture, or pollutants.

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CATALOG - CABLE & CONNECTION

LEADER CABLE

HLC	LC	1	BLK	
MODEL	**TYPE**	**LENGTH**	**FINISH**	**QUANTITY**
HLC HueCraft Linear Connectors	**LC** Leader Cable (Male)	**1** 1 ft	**BLK** Black	

JUMPER CABLE

HLC	JC		BLK	
MODEL	**TYPE**	**LENGTH**	**FINISH**	**QUANTITY**
HLC HueCraft Linear Connectors	**JC** Jumper Cable (Male-Female)	**5** 5 ft **10** 10 ft **25** 25 ft	**BLK** Black	

DMX TERMINATOR

HLC	DMXT	
MODEL	**TYPE**	**QUANTITY**
HLC HueCraft Linear Connectors	**DMXT** DMX Terminator, one required for each run	

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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

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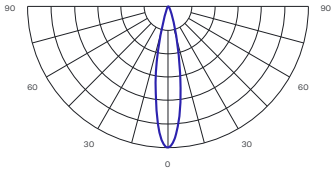
PHOTOMETRICS*

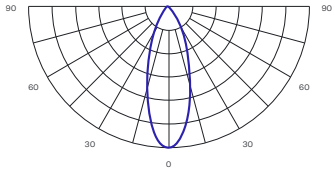
***** Data messured @RGBL full on.

15°



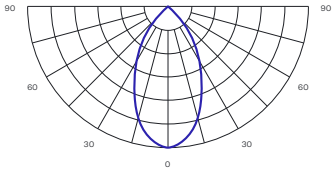
Center Beam(fc)	Beam Diameter(ft)
8.3ft 117	6
16.7ft 29	12
25ft 12.9	18
33.3ft 7.3	24
41.7ft 4.6	30
50ft 3.2	36

30°



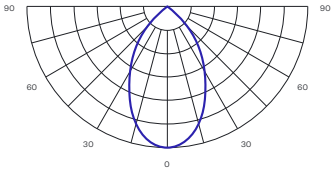
Center Beam(fc)	Beam Diameter(ft)
8.3ft 42.4	2.7
16.7ft 10.5	5.5
25ft 4.7	8.2
33.3ft 2.6	10.9
41.7ft 1.7	13.7
50ft 1.1	16.4

45°



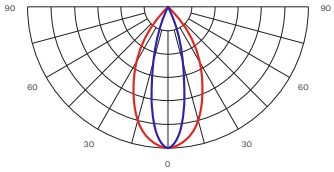
Center Beam(fc)	Beam Diameter(ft)
5ft 46.6	4.8
10ft 11	9.6
15ft 5.7	14.5
20ft 2.9	19.3
25ft 1.8	24.1
30ft 1.3	28.9

60°



Center Beam(fc)	Beam Diameter(ft)
5ft 43.2	5.1
10ft 10.8	10.2
15ft 4.8	15.2
20ft 2.7	20.3
25ft 1.7	25.4
30ft 1.2	30.5

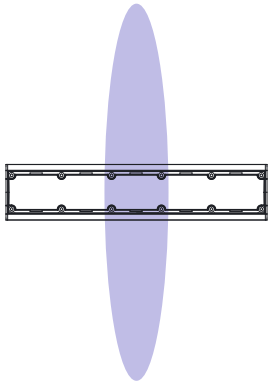
15x60°



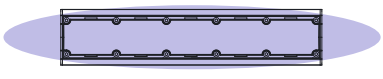
Center Beam(fc)	Beam Diameter(ft)
5ft 113	2/4.4
10ft 28.2	4/8.9
15ft 12.5	6/13.3
20ft 7	8.1/17.7
25ft 4.5	10.1/22.2
30ft 3	12.1/26.6

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° × V°**.



15° x 60°



60° x 15°

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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)

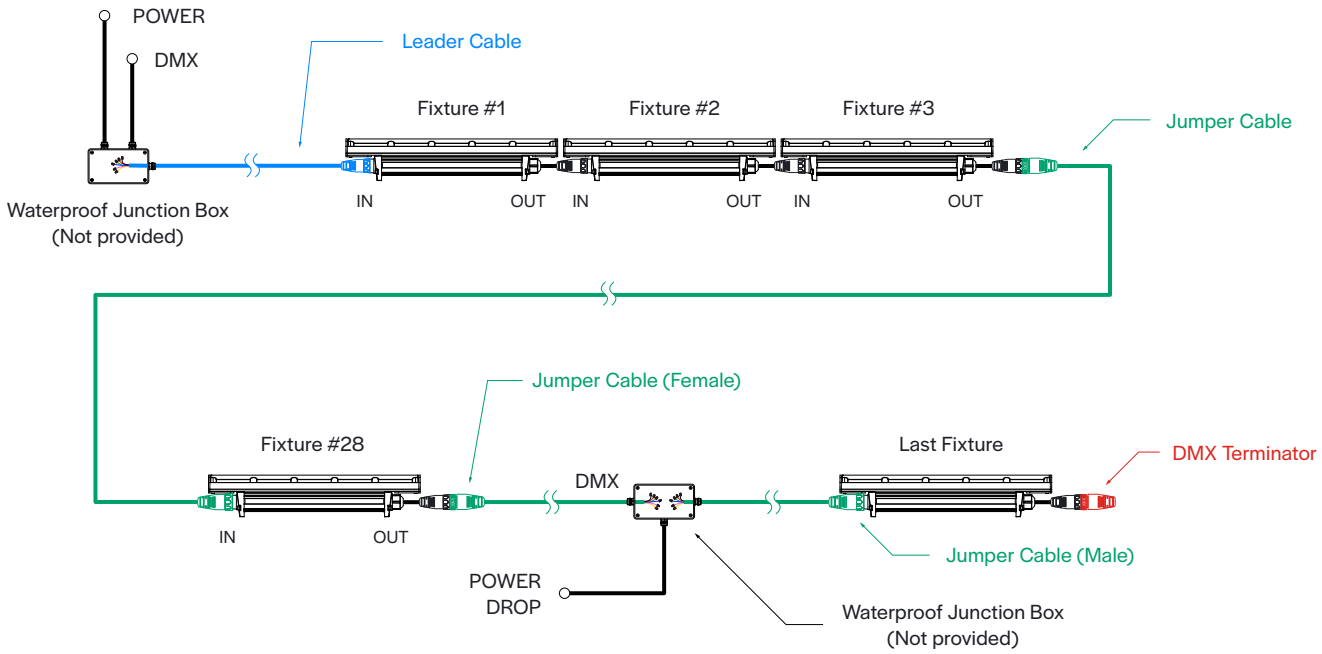
Fixture # \ Channel	Intensity (ex. X)	Tunable White / Preset Color (ex. X+1)
#1	1	2
#2	3	4
#3	5	6

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.



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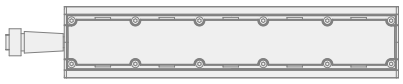
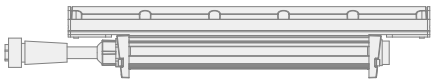
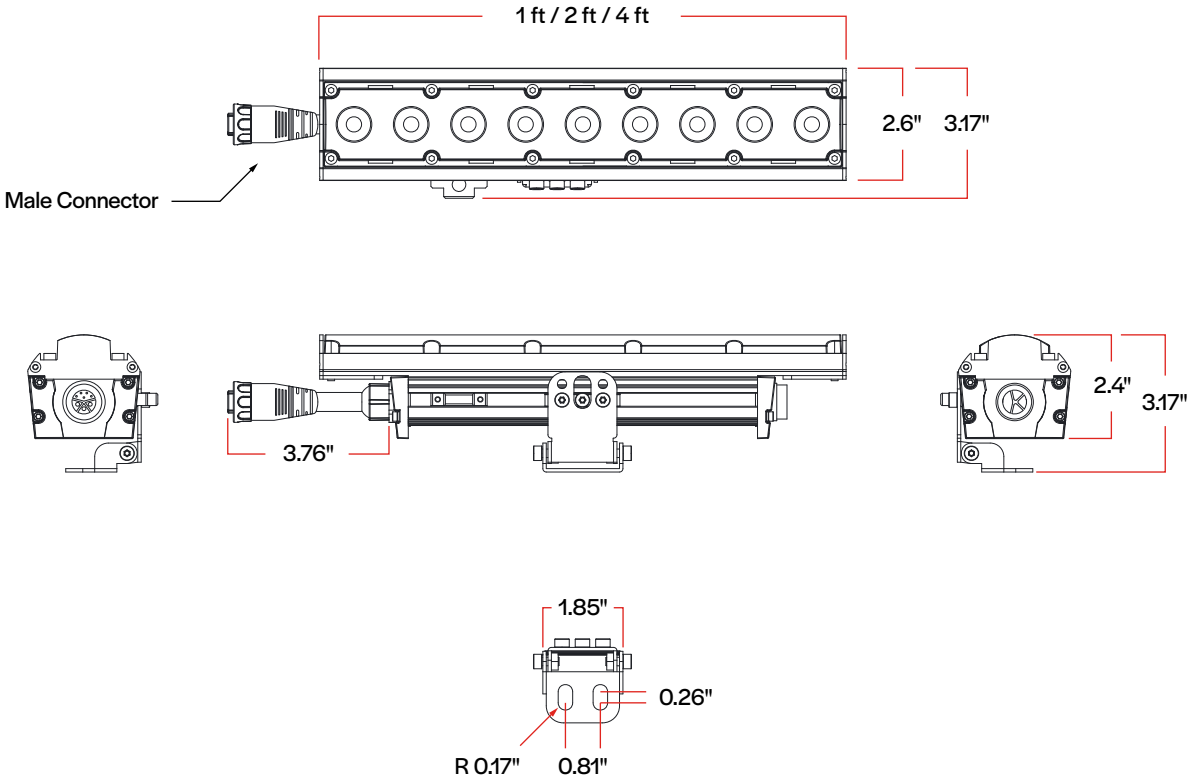
EPA VALUES

BRACKET		
		
Top	Front	Side
0.219 ft²	0.158 ft²	0.036 ft²

DIMENSIONS

BRACKET MOUNT



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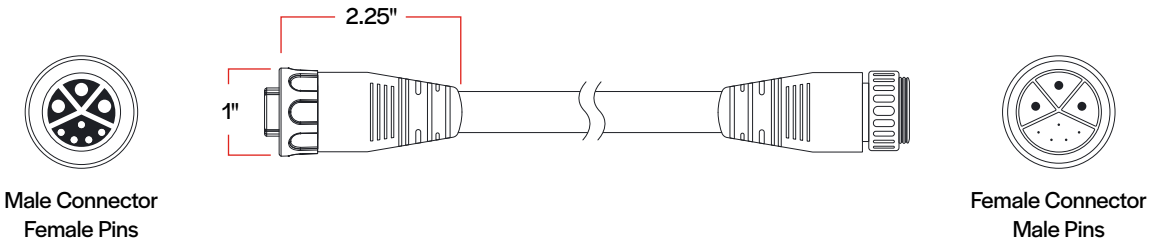
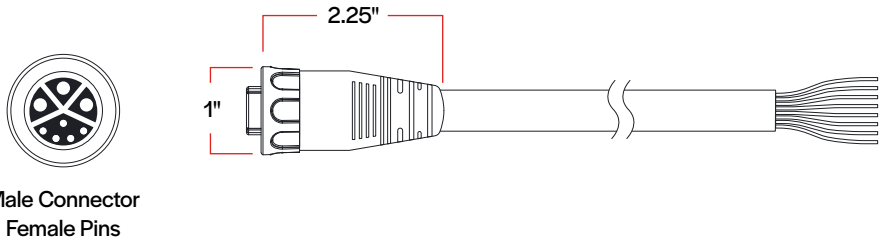
DIMENSIONS

JUMPER CABLE

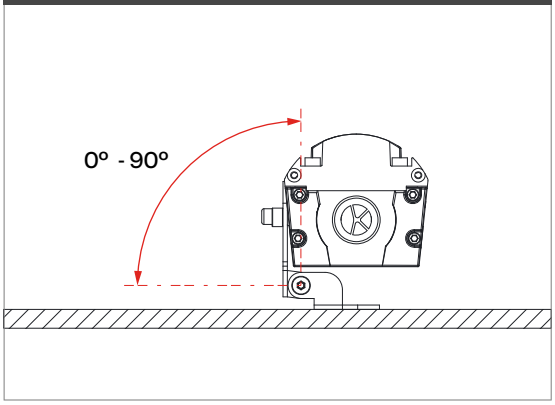


LEADER CABLE



ADJUSTMENTS

BRACKET



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