



# HB3015 RGB

## EXTERIOR LINEAR LED LIGHTBAR

POWERFUL | COMPACT | LOW PROFILE  
 6w/ft | RGB | DMX

**Wall Washing | Grazing | Cove Lighting**



Maximize the impact of exterior lighting with The Smart Lighting Company HB3015 RGB Series, a sophisticated and high-performance linear luminaire. This DMX controlled, RGB color-changing fixture is engineered in a sleek, low-profile form, making it perfect for intricate wall grazing, washing, and vibrant cove lighting at an efficient 6 watts per foot. Available in four lengths, the HB3015 RGB is equipped with a universal 100/277VAC integral driver and utilizes Nichia bin-sorted LEDs for precise, even illumination highly regarded by industry experts. Crafted for durability, it boasts an extruded anodized aluminum housing with precision-tooled end caps and has multiple options for fixture length, optics, mounting, and finishes. The robust Plug and Play connectors ensure a secure IP66 rated connection and simplify installation. With DMX control and self-addressing capability for easy programming and operation and various accessory choices, including louvers and mounting options, the HB3015 RGB stands as the economical lighting solution for dynamic, high-quality outdoor illumination.



**SPECIFICATIONS**

**PERFORMANCE**

**Output**

6w/ft

**Color Temperatures**

RGB

**Beam Angles**

15°, 30°, 45°, 60°, 75°, 90°, 120°, 30°x60°

**LEDs per Foot**

15 (5R, 5G, 5B)

**LED's**

Nichia bin-sorted

**Color Consistency**

2 SCDM

**ELECTRICAL**

**Input Voltage**

100-277vac

**Power Supply**

Integral

**Control**

DMX

**Resolution**

Per 12" or per fixture

**Heat dissipation**

Full thermal management system

**Connection**

Quick connect plug and play system

**Projected Lumen Maintenance**

>90,000 hours

**PHYSICAL**

**Fixture Length Options**

12", 24", 36", 48"

**Max Run Length**

197ft@277vac, 85ft@120vac

**Housing**

Anodized extruded aluminum, tooled end caps

**Lens**

Polycarbonate

**Fixture Finish (Standard)**

Anodized aluminum

**Powder Coated Finish (Optional)**

Black, Bronze, White, CU

**Standard Mounting**

Stainless adjustable or flat brackets

**Optional Mounting**

Powder-coated housing | extended arms or ground post stakes

**Operating Temperature**

-40°F to 122°F, (-40°C to 50°C)

**ENVIRONMENT AND WARRANTY**

**IP Rating**

IP66

**Environment**

Dry, Damp or Wet locations  
0-100% non-condensing humidity

**Certifications**

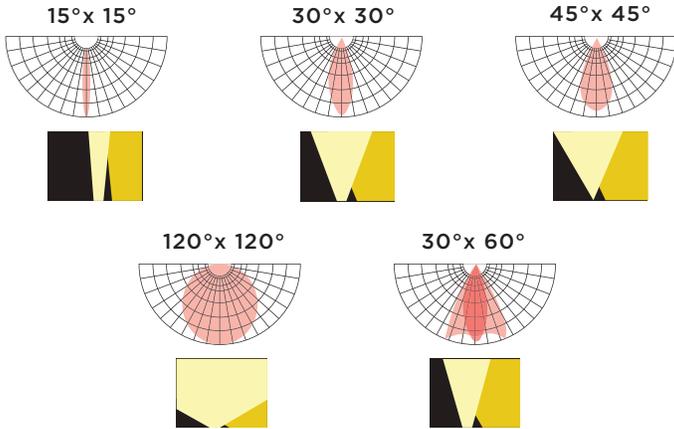
UL, cUL

**Warranty**

5 year limited warranty

## SPECIFICATIONS

### OPTICS



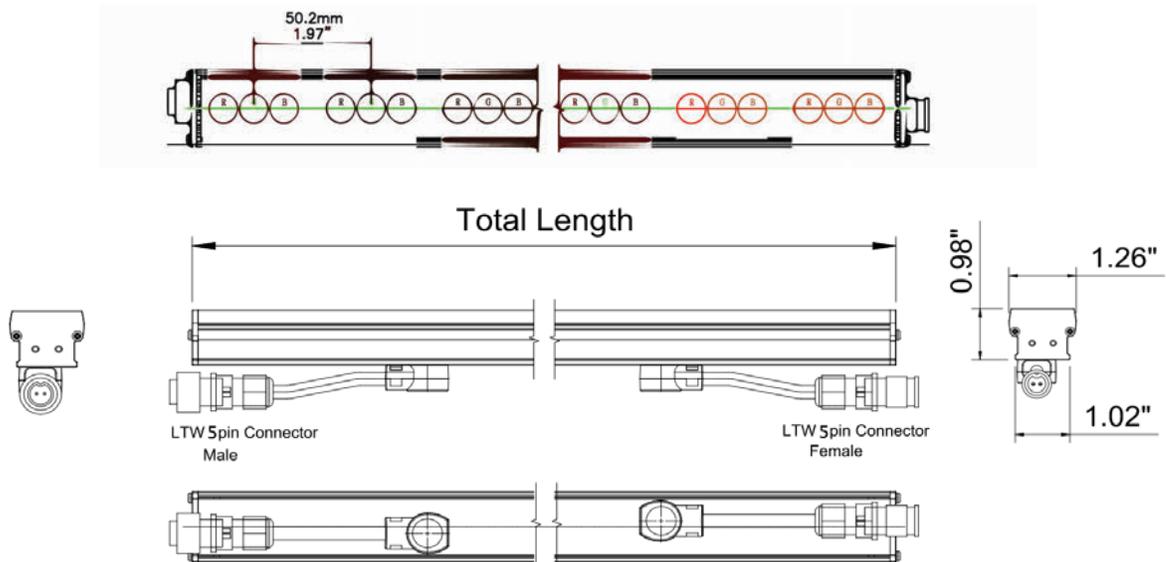
### COLOR TEMPERATURES



### DIMENSIONS AND DATA

6w/ft	Voltage	View Angle	Watts/Fixture	Lumens/Fixture	LEDs/fixture	Extrusion Length	Total Length
HB3015-12-RGB-XXD-AC-DX	100-277VAC	15°, 30°, 45°	6w	TBD	5R,5G,5B	L=301.8mm	L=306.8mm (12.1")
HB3015-24-RGB-XXD-AC-DX		60°, 75°, 90°, 120°	11.4w	TBD	10R, 10G, 10B	L=606.8mm	L=611.8mm (24.1")
HB3015-36-RGB-XXD-AC-DX		30°x60°	16.8w	TBD	15R, 15G, 15B	L=911.4mm	L=916.4mm (36.1")
HB3015-48-RGB-XXD-AC-DX			22.4w	TBD	20R, 20G, 20B	L=1216.2mm	L=1221.2mm (48.1")

### PROFILE



## ORDER FORM

Ex. HB3015-48-RGB-15-AC-DM

### CREATE YOUR FIXTURE

MODEL	LENGTH	COLOR	OPTICS
HB3015	12" 12 inches 24" 24 inches 36" 36 inches 48" 48 inches	RGB RGB	15 15°x15° 30 30°x30° 45 45°x45° 60 60°x60° 75 75°x75° 90 90°x90° 120 120°x120° 3060 30°x60°
VOLTAGE	CONTROL		
AC 100-277vac	DM Addressable/12" DS Addressable/fixture		

### SELECT CONNECTION

#### Wire Lead

QTY	POWER/SIGNAL	
	AL-HB5P-72"-W/L	72" (6ft) Wire lead 5pin
	AL-HB5P-xx"-W/L	xx" (CU) Wire lead 5pin

\* 1 wire lead required for each run.

#### End Cap

QTY		
	AL-HB5P-ENDCAP	End cap for fixture output at end of run

\* 1 End cap required at the end of each run

#### Jumper Cable

QTY	POWER/SIGNAL	
	AL-HB5P-12"-J	12" (1ft) jumper 5pin
	AL-HB5P-72"-J	72" (6ft) jumper 5pin
	AL-HB5P-xx"-J	xx" (CU) jumper 5pin

\* Fixtures are end to end connected. Use jumpers if space is needed between fixtures.

### ADDITIONAL OPTIONS

#### Optional Powder Coated Finish

QTY	POWDER COATED FINISHES AVAILABLE FOR ADDITIONAL COST	
	BK	Black
	BZ	Bronze
	WH	White
	CU	Custom

\* Fixture housing is anodized aluminum standard

#### DMX Controller

QTY		
	NIC-DMX-STICK-DE3	DMX Controller

#### Surge Protection

QTY		
	LSP4-UNV	120/277v surge protector

#### Junction Boxes

QTY		
	AC5A-DMX-3WB3	Power and signal wire lead splitter
	AC5A-DMX-3WB2	AC Power amplifier for long run lengths

\* Used in place of wire leads to separate power and signal

### SELECT MOUNTING

QTY	MOUNTING BRACKETS - 2 PER FIXTURE	
	AL-HB30-ADJ BRACKET	HB30 Adjustable bracket
	AL-HB30-FLAT BRACKET	HB30 Flat bracket

\* Select flat brackets if fixture is mounted in powder coated housing



## GLARE PROTECTION

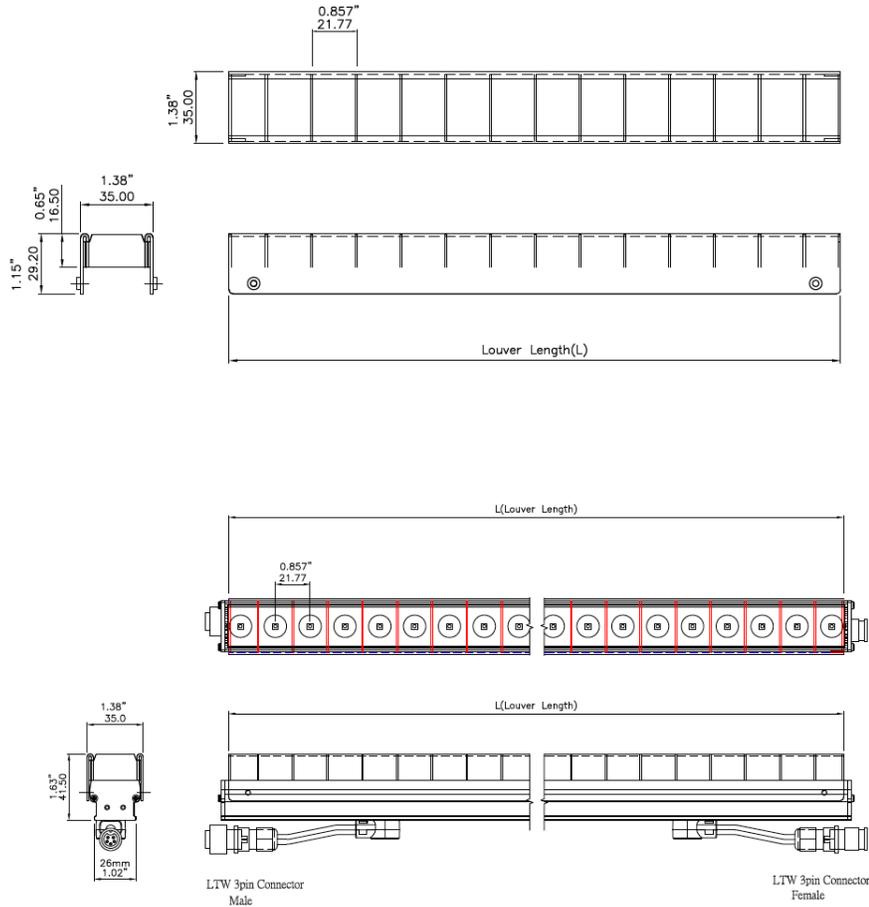
### LOUVERS

#### Glare Control

Standard black finish powder coated louvers

QTY	Housing	(L) Housing Length	(F) Finish
	HB30-12" LOUVER	12"	BK - Black
	HB30-24" LOUVER	24"	BZ - Bronze
	HB30-36" LOUVER	36"	WH - White
	HB30-48" LOUVER	48"	SI - Silver
			CU - Custom

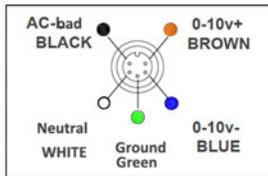
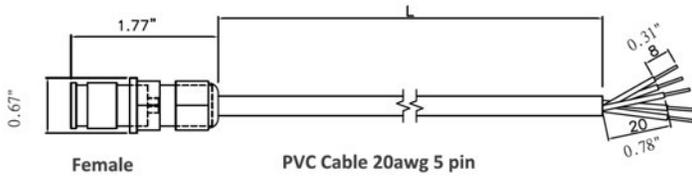
\* Other powder coated finishes available for additional cost



## WIRING OPTIONS

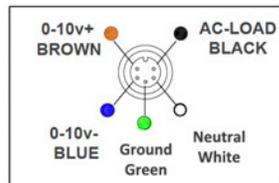
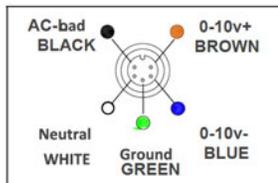
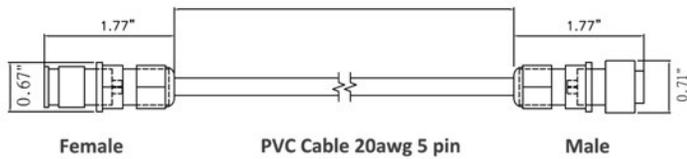
### WIRE LEAD

**DESCRIPTION** | **PART NUMBER**  
 5 pin power / signal wire | AL-HB5P-xx"-W/L



### JUMPER CABLE

**DESCRIPTION** | **PART NUMBER**  
 5 pin power / signal jumper | AL-HB5P-xx"-W/L



# POWER/SIGNAL

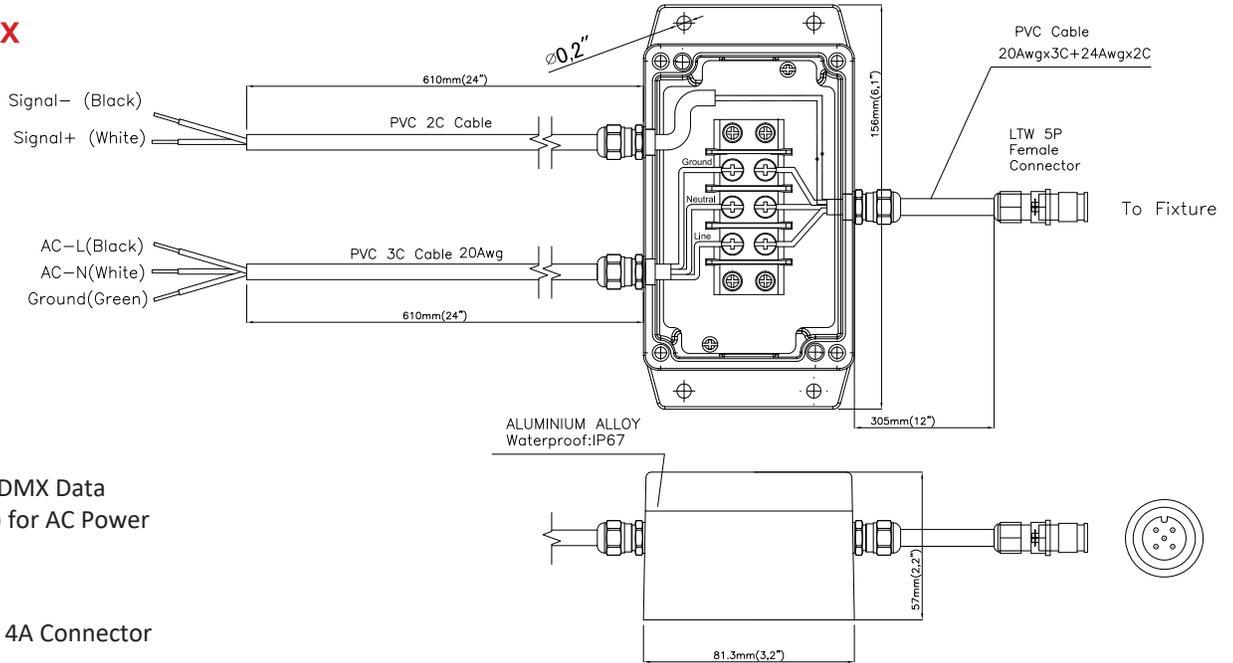
## DISTRIBUTION BOXES

Date: \_\_\_\_\_  
 Type: \_\_\_\_\_  
 Project: \_\_\_\_\_  
 Firm: \_\_\_\_\_

### JUNCTION BOX - POWER AND SIGNAL SPLITTER

#### JUNCTION BOX

AC5A-DMX-3WB3



#### INPUT

24" Cable (2 leads) for DMX Data  
 24" PVC Cable (3 leads) for AC Power

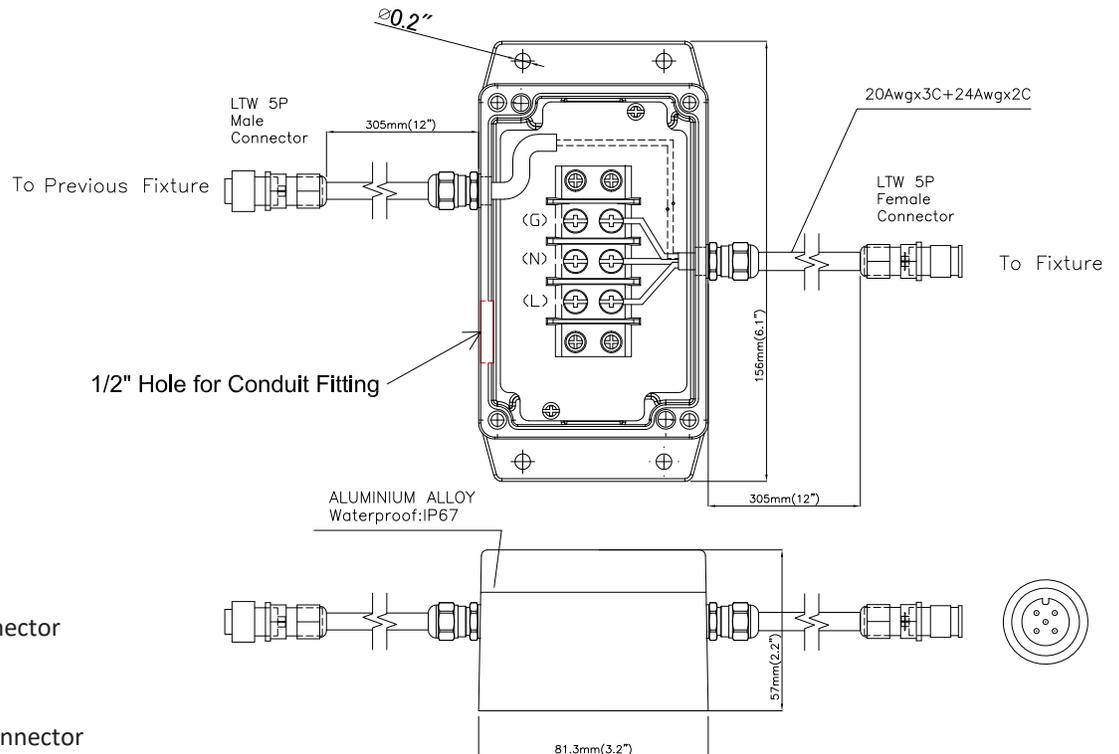
#### OUTPUT

12" Cable w 5P Female 4A Connector

### JUNCTION BOX-AC POWER AMPLIFIER FOR LONG RUN LENGTHS

#### JUNCTION BOX

AC5A-DMX-3WB2



#### INPUT

12" PVC Cable w/ 5P Male 4A Connector

#### OUTPUT

12" PVC Cable w/ 5P Female 4A Connector

## MOUNTING BRACKETS

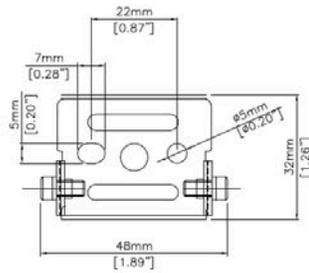
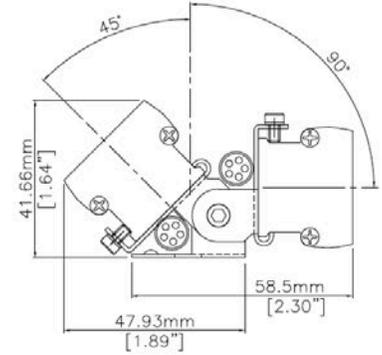
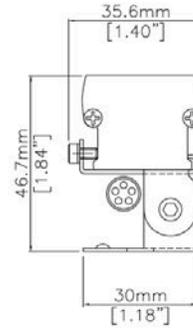
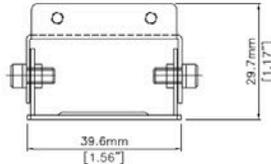
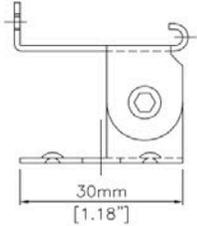
### ADJUSTABLE BRACKETS

#### DESCRIPTION

HB30 Adjustable Bracket

#### PART NUMBER

AL-HB30 ADJ.Bracket



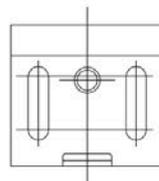
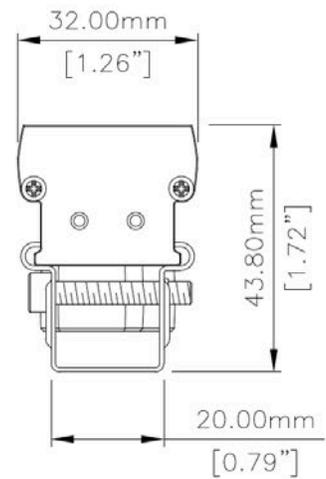
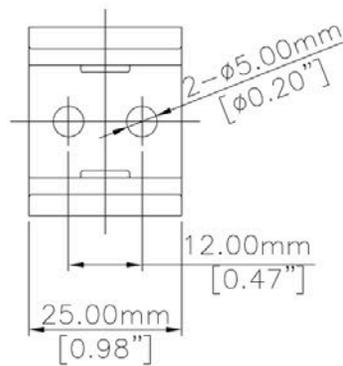
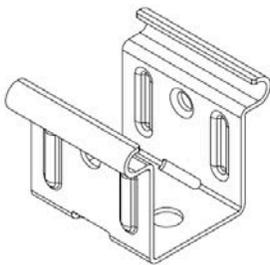
### FLAT BRACKETS

#### DESCRIPTION

HB30 Flat Bracket

#### PART NUMBER

AL-HB30-Flat Bracket



### SURGE PROTECTION

#### DESCRIPTION

Surge Protection Device

#### PART NUMBER

AL-LSP-UNV

The use of a surge protection device is necessary to maintain your warranty. Specifications are subject to change without notice.

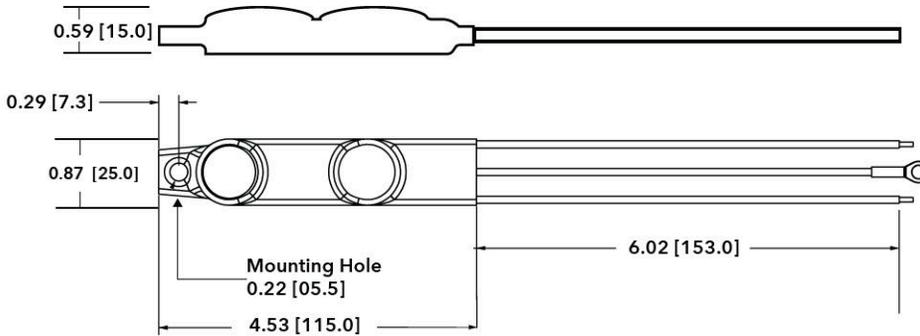
#### SPECIFICATIONS

Input Voltage	120-277V (+/- 5%)		
Frequency	50Hz-60Hz		
Maximum Continuous Voltage	320V		
Maximum Discharge Current	L-N 20kA; L-G, N-G 10kA (8/20Qs standard wave)		
Nominal Discharge Current	5kA		
Measured Limiting Voltage (VpK)	L-N	L-G	N-G
	1200	1320	1320
Max Case Temperature	85°C		

PULSE RATING (8 X 20 SEC)		
Surge Level	# of Strikes	
	L-N	L-G, N-G
10,000A	*2	1
6,500A	4	2
5,000A	30	15
2,000A	200	100
700A	20000	1000

\*1 strike at 20,000A

#### MECHANICAL DIMENSIONS : IN (MM)



#### WIRING DIAGRAM

