

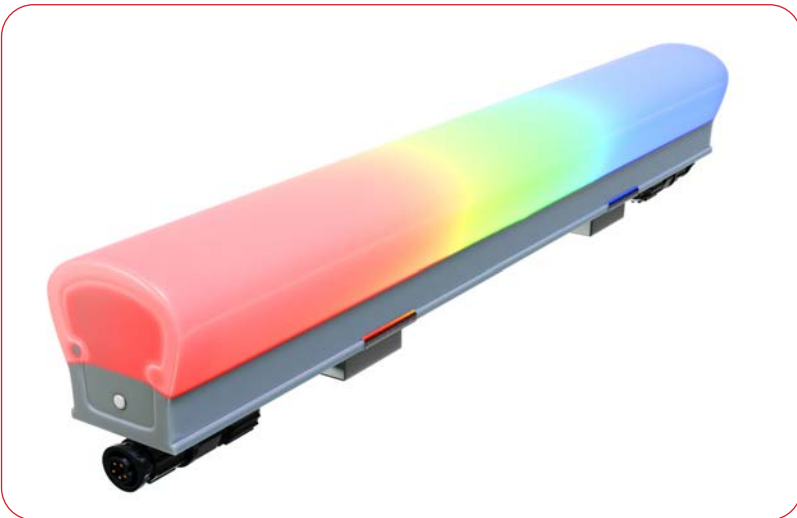


HB3018PD RGB

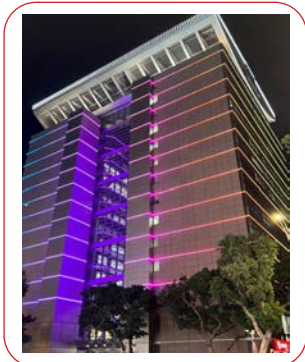
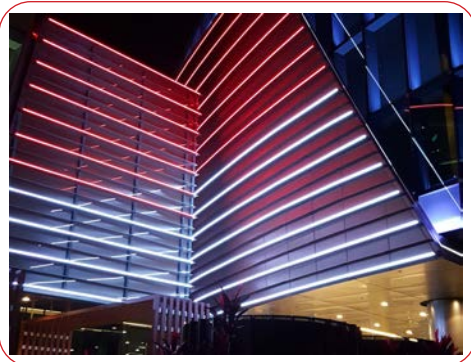
LINEAR LED LIGHTBAR

DIRECT VIEW | LOW PROFILE
 6w/ft | RGB | DMX

Edge | Direct View | Accent Lighting



The Smart Lighting Company HB3018PD RGB Series is an economical architectural RGB fixture that's perfect for exterior linear accent, edge, and direct-view applications. Built with bin-sorted Nichia LEDs and a one-piece domed polycarbonate extruded housing for a continuous, fluid glow without pixelation, these fixtures outperform more expensive brands. They connect quickly and seamlessly with our Plug & Play combined power and signal connectors to form one long continuous line of light. The fixtures are self-addressing for quick pairing with lighting control systems and manageable at every 4" to provide stunning lighting effects. Wet-rated for harsh environments, these fixtures are 100% tested and use only 6W per foot, for years of high-quality, efficient illumination.



PERFORMANCE

Output

5.6w/ft

Color Temperatures

RGB

Beam Angles

120°

LEDs per Foot

18 (RGB)

LED's

Nichia bin-sorted

Color Consistency

2 SCDM

ELECTRICAL

Input Voltage

100-277vac

Power Supply

Integral

Control

DMX

Resolution

Per 4" 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

Polycarbonate extruded housing

Lens

Polycarbonate diffused

Standard Mounting

Stainless adjustable or flat brackets

Optional Mounting

Stainless joint clips for seamless connection

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

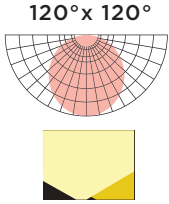
UL, cUL

Warranty

5 year limited warranty

SPECIFICATIONS

OPTICS



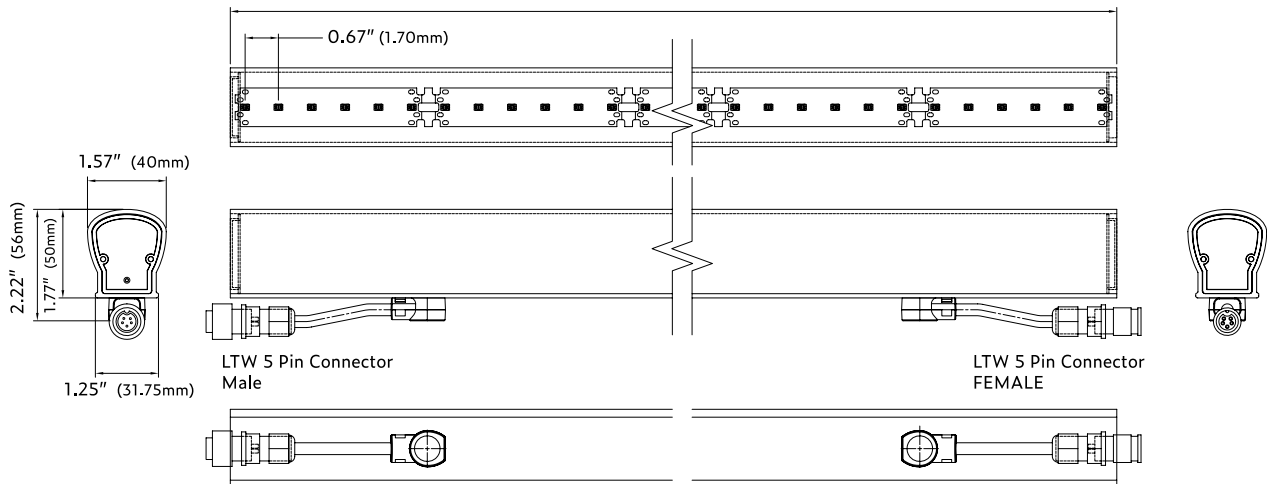
COLOR TEMPERATURES



DIMENSIONS AND DATA

6w/ft	Voltage	View Angle	Watts/ Fixture	Lumens/ Fixture	LEDs/ fixture	Extrusion Length	Total Length
HB3018PD-12-RGB-120D-AC-DX	100-277VAC	120°	6w	TBD	18 RGB	L=294.8mm	L=304.8mm (12")
HB3018PD-24-RGB-120D-AC-DX			11.4w	TBD	36 RGB	L=599.6mm	L=609.6mm (24")
HB3018PD-36-RGB-120D-AC-DX			16.8w	TBD	54 RGB	L=904.4mm	L=914.4mm (36")
HB3018PD-48-RGB-120D-AC-DX			22.4w	TBD	72 RGB	L=1209.2mm	L=1219.2mm (48")

PROFILE



ORDER FORM

CREATE YOUR FIXTURE

Ex. HB3018PD-48-RGB-120-AC-DM

MODEL <input type="text"/> HB3018PD 5.6w/ft	LENGTH <input type="text"/> 12" 12 inches 24" 24 inches 36" 36 inches 48" 48 inches	COLOR <input type="text"/> RGB RGB	OPTICS <input type="text"/> 120 120°x120°
VOLTAGE <input type="text"/> AC 100-277vac	CONTROL <input type="text"/> DM Addressable/4" DS Addressable/fixture		

SELECT CONNECTION

Wire Lead

QTY	POWER/SIGNAL	
<input type="text"/>	AL-HB5P-72"-W/L	72" (6ft) Wire lead 5pin
<input type="text"/>	AL-HB5P-xx"-W/L	xx" (CU) Wire lead 5pin

* 1 wire lead required for each run.

End Cap

QTY	<input type="text"/>	AL-HB5P-ENDCAP	End cap for fixture output at end of run
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* 1 End cap required at the end of each

Jumper Cable

QTY	POWER/SIGNAL	
<input type="text"/>	AL-HB5P-12"-J	12" (1ft) jumper 5pin
<input type="text"/>	AL-HB5P-72"-J	72" (6ft) jumper 5pin
<input type="text"/>	AL-HB5P-xx"-J	xx" (CU) jumper 5pin

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

SELECT MOUNTING

QTY	MOUNTING BRACKETS - 2 REQUIRED PER FIXTURE	
<input type="text"/>	AL-ID/PD30-ADJ BRACKET	Adjustable bracket
<input type="text"/>	AL-ID/PD30-FLAT BRACKET	Flat bracket
<input type="text"/>	AL-PD-JNT*	Joint connection bracket

* Used to join two fixtures together

ADDITIONAL OPTIONS

DMX Controller

QTY	<input type="text"/>	NIC-DMX-STICK-DE3	DMX Controller
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Surge Protection

QTY	<input type="text"/>	LSP4-UNV	120/277v surge protector
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Junction Boxes

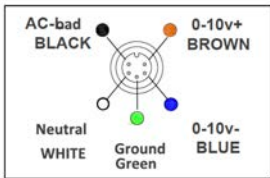
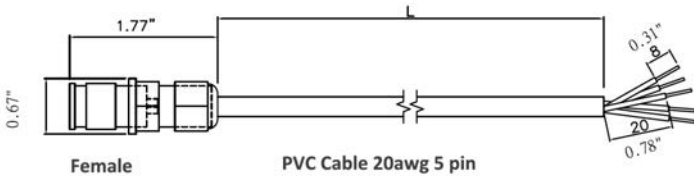
QTY	<input type="text"/>	AC5A-DMX-3WB1	Power and CAT5 signal splitter
<input type="text"/>	AC5A-DMX-3WB2	AC Power amplifier for long run lengths	
<input type="text"/>	AC5A-DMX-3WB3	Power and Wire lead signal splitter	

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

WIRING OPTIONS

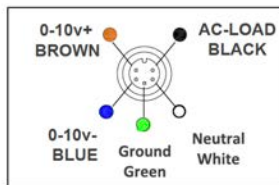
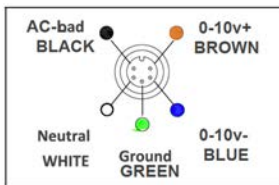
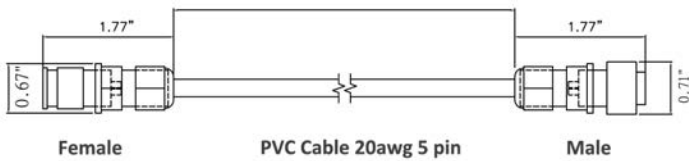
WIRE LEAD

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"-J



POWER/SIGNAL

DISTRIBUTION BOXES

Date:
 Type:
 Project:
 Firm:

JUNCTION BOX - POWER AND CAT5 SIGNAL SPLITTER

JUNCTION BOX

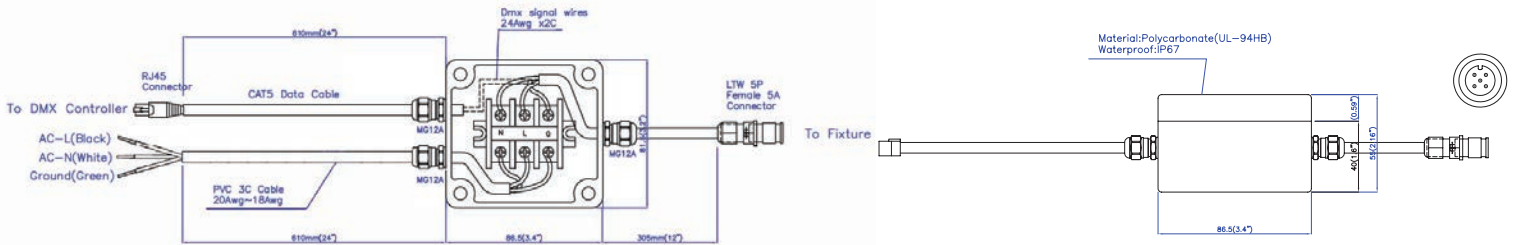
AC5A-DMX-3WB1

INPUT

24" PVC Cat5 Cable for DMX Data 24"
 PVC Cable (3 leads) for AC Power

OUTPUT

12" Cable w 5P Female 5A Connector



JUNCTION BOX-AC POWER AMPLIFIER FOR LONG RUN LENGTHS

JUNCTION BOX

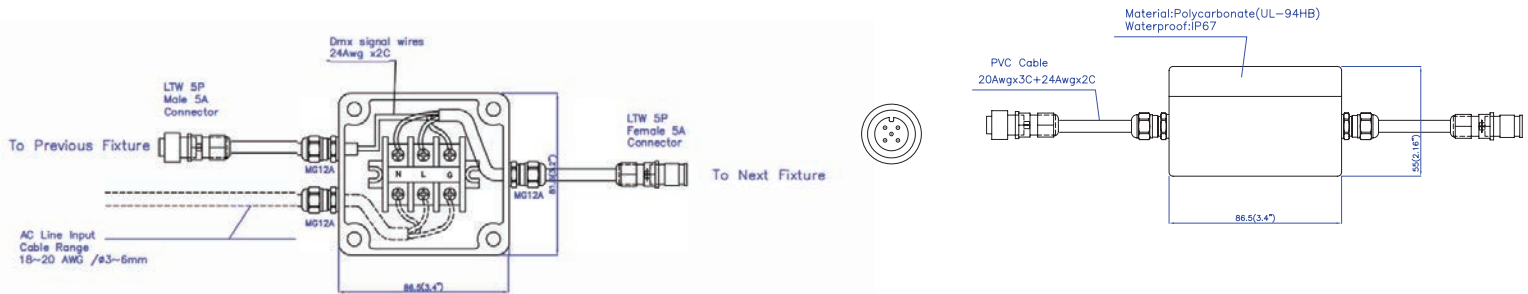
AC5A-DMX-3WB2

INPUT

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

OUTPUT

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



JUNCTION BOX - POWER AND WIRE LEAD SIGNAL SPLITTER

JUNCTION BOX

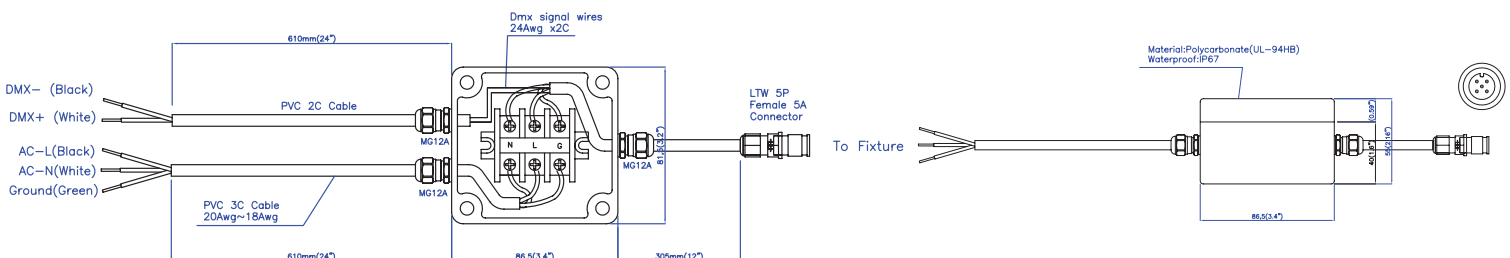
AC5A-DMX-3WB1

INPUT

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

OUTPUT

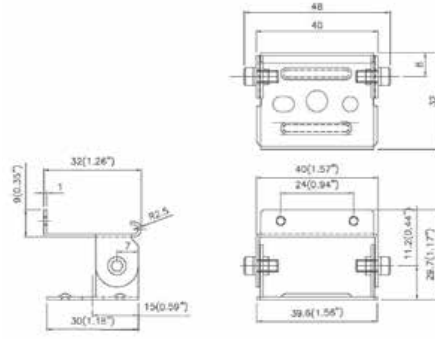
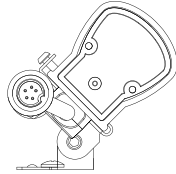
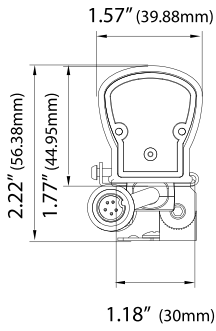
12" Cable w 5P Female 5A Connector



MOUNTING BRACKETS

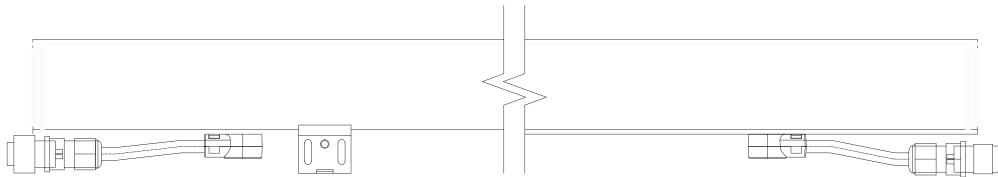
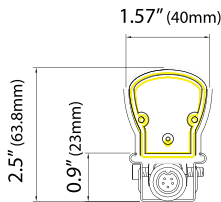
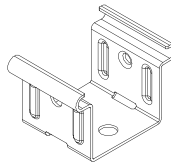
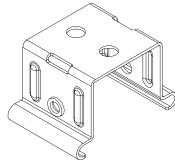
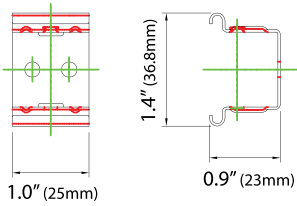
ADJUSTABLE BRACKETS

DESCRIPTION | **PART NUMBER**
 HB30PD Adjustable Bracket | AL-ID/PD30 ADJ.Bracket



FLAT BRACKETS

DESCRIPTION | **PART NUMBER**
 HB30PD Flat Bracket | AL-ID/PD30-FBF BKT



JOINT CLIP

DESCRIPTION | **PART NUMBER**
 HB30PD Joint Connector | AL-ID/PD30-JNT BKT



SURGE PROTECTION DEVICE

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.

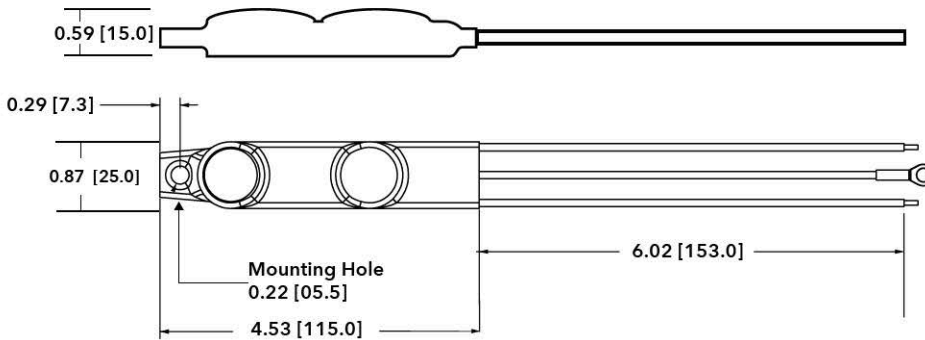
SPECIFICATIONS

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

