

# HB3014R

## EXTERIOR LINEAR LED LIGHTBAR

POWERFUL | COMPACT | LOW PROFILE  
4.5w/ft | 365lm/ft - 7w/ft | 567lm/ft

Accent | Wall Washing | Cove | General Lighting



The Smart Lighting Company HB3014R Series, is a compact and efficient linear exterior fixture ideal for wall-washing, accent, and cove illumination. This low-profile, high-performance luminaire is equipped with a universal 100/277VAC integral driver and is available in four lengths with a variety of color temperatures. Utilizing Nichia bin-sorted LEDs within a 2-step MacAdam ellipse, the HB3014R delivers consistent, high-quality light, sought after in architectural designs. Our thermal management system ensures extremely low junction temperatures at the solder point to extend fixture life. Its durable extruded anodized aluminum housing, end-to-end connectivity, and a polycarbonate lens ensure even illumination. The fixture's IP66 rated Plug and Play connectors make installation straightforward, offering a reliable and elegant lighting solution for narrow spaces.



## SPECIFICATIONS

### PERFORMANCE

#### Output

4.5w/ft | 356lm/ft, 7w/ft | 567lm/ft

#### Color Temperatures

22k, 27k, 30k, 35k, 41k, 50k, 65k, R, G, B, A

#### Beam Angles

120°

#### LEDs per Foot

14

#### LED's

Nichia bin-sorted

#### Color Consistency

2 SCDM

#### CRI

80+ std, 90+ optional

### ELECTRICAL

#### Input Voltage

100-277vac

#### Power Supply

Integral

#### Control

0-10v dimming

#### 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

4w- 295ft@277vac, 128ft@120vac

7w - 147ft@277vac, 64ft@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

0-100v non-condensing humidity

#### Certifications

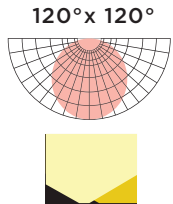
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#### Warranty

5 year limited warranty

## SPECIFICATIONS

### OPTICS



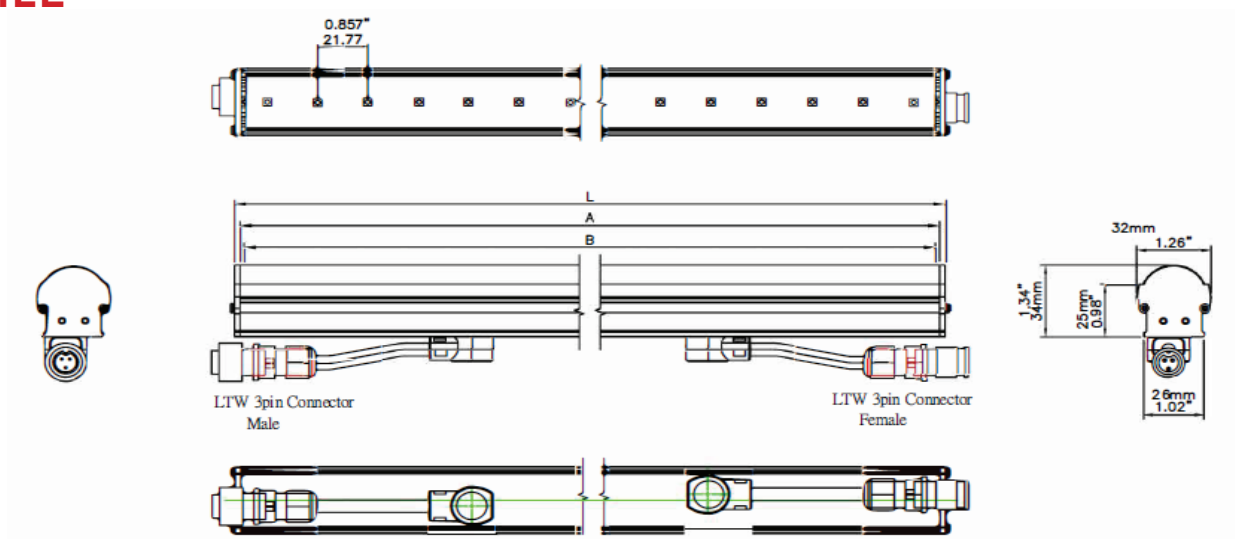
### COLOR TEMPERATURES



### DIMENSIONS AND DATA

4.5w/ft	Voltage	View Angle	Watts/ Fixture	Lumens/ Fixture	LEDs/ Fixture	Extrusion Length	Total Length
HB3014R-12-XXK-XXD-ACD-4	100/ 270VAC	120°	4.5w	365	14	L=305.9mm	L=306.8mm (12.1")
HB3014R-24-XXK-XXD-ACD-4			9w	730	28	L=606.8mm	L=611.8mm (24.1")
HB3014R-36-XXK-XXD-ACD-4			13.5w	1095	42	L=911.4mm	L=916.4mm (36.1")
HB3014R-48-XXK-XXD-ACD-4			18w	1460	56	L=1216.2mm	L=1221.2mm (48.1")
7.5w/ft	Voltage	View Angle	Watts/ Fixture	Lumens/ Fixture	LEDs/ Fixture	Extrusion Length	Total Length
HB3014R-12-XXK-XXD-ACD-7	100/ 270VAC	120°	7w	567	14	L=305.9mm	L=306.8mm (12.1")
HB3014R-24-XXK-XXD-ACD-7			14w	1134	28	L=606.8mm	L=611.8mm (24.1")
HB3014R-36-XXK-XXD-ACD-7			21w	1701	42	L=911.4mm	L=916.4mm (36.1")
HB3014R-48-XXK-XXD-ACD-7			28w	2268	56	L=1216.2mm	L=1221.2mm (48.1")

### PROFILE



## ORDER FORM

Date: \_\_\_\_\_

Type: \_\_\_\_\_

Project: \_\_\_\_\_

Firm: \_\_\_\_\_

### CREATE YOUR FIXTURE

Ex. HB3014R-48-41K-120-ACD-4

<b>MODEL</b> HB3014R	<b>LENGTH</b> 12" 12 inches 24" 24 inches 36" 36 inches 48" 48 inches	<b>COLOR</b> 22k 2200k R Red 27k 2700k G Green 30k 3000k B Blue 35k 3500k A Amber 41k 4100k 50k 5000k 65k 6500k	<b>OPTICS</b> 120 120°x120°
<b>VOLTAGE</b> AC 100-277vac	<b>CONTROL</b> D 0-10v Dimming ND Non Dimming	<b>POWER</b> 4 4.5w/ft 7 7.5w/ft	

### 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
QTY	POWER	
	AL-HB3P-72"-W/L	72" (6ft) Wire lead 3pin
	AL-HB3P-xx"-W/L	xx" (CU) Wire lead 3pin

\* 1 wire lead required for each run.

#### End Cap

QTY		
	AL-HB3P-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
QTY	POWER	
	AL-HB3P-12"-J	12" (1ft) jumper 3pin
	AL-HB3P-72"-J	72" (6ft) jumper 3pin
	AL-HB3P-xx"-J	xx" (CU) jumper 3pin

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

### 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

### 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

#### 0-10V Dimmer

QTY		
	LUT-DVSTV-WH	0-10v dimming wall switch

#### Surge Protection

QTY		
	LSP4-UNV	120/277v surge protector

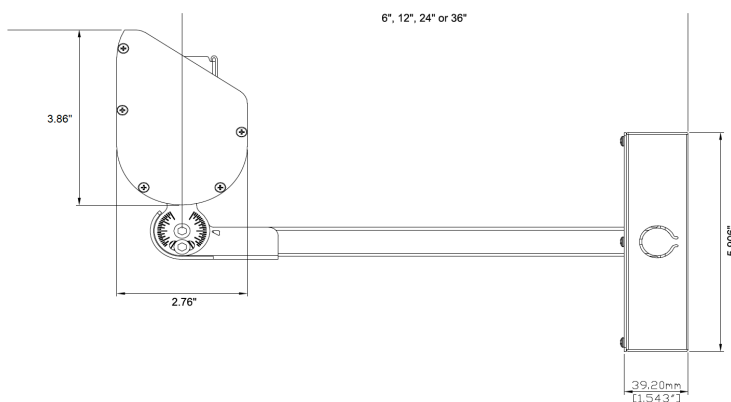


## ADDITIONAL MOUNTING OPTIONS

## Housing and Extended Arms

**Fixture can be mounted in a powder coated housing with integral glare shield**

	Housing	(L) Housing Length	(F) Finish	(A) Extended Arm Length
QTY				
	HB30EXT-	12"	BK - Black	6"
		24"	BZ- Bronze	12"
		36"	WH - White	18"
		48"	SI - Silver	24"
			CU - Custom	36"
				GPA (Ground Post Arm)

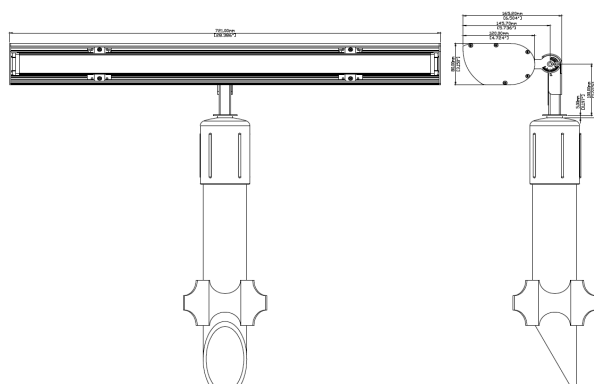
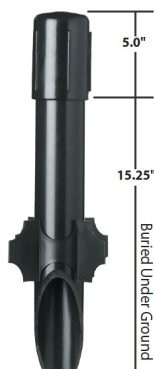


## Ground Posts

QTY      **Select when using GPA above (1 per fixture for 12" & 24" housing and 2 for 36" & 48" housing)**

HBEXT-GPS	Ground post mount
	

**1ft & 2ft extrusions require one HBEXT-GPS. 3ft & 4ft extrusions require two HBEXT-GPS.**



## WIRING OPTIONS

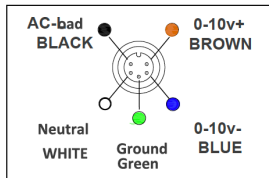
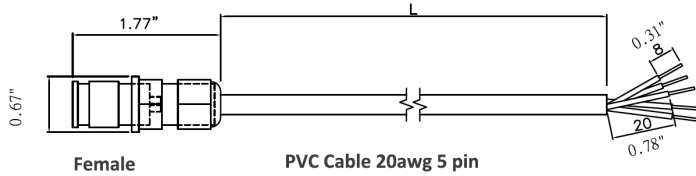
### WIRE LEAD

#### DESCRIPTION

5 pin power / signal wire

#### PART NUMBER

AL-HB5P-xx"-W/L

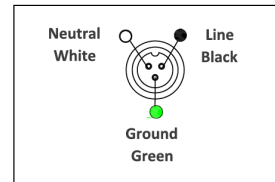
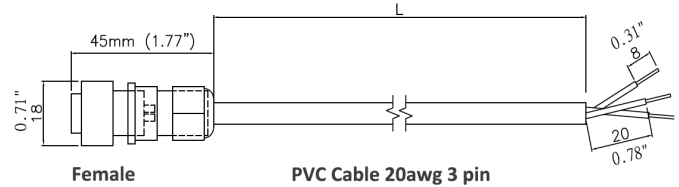


#### DESCRIPTION

3 pin power wire

#### PART NUMBER

AL-HB3P-xx"-W/L



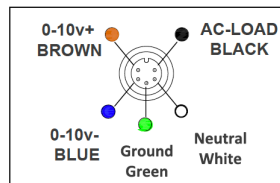
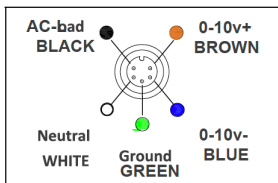
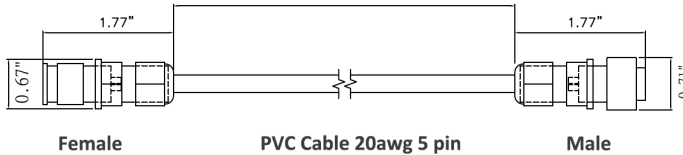
### JUMPER CABLE

#### DESCRIPTION

5 pin power / signal jumper

#### PART NUMBER

AL-HB5P-xx"-W/L

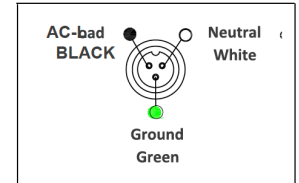
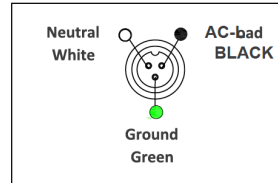
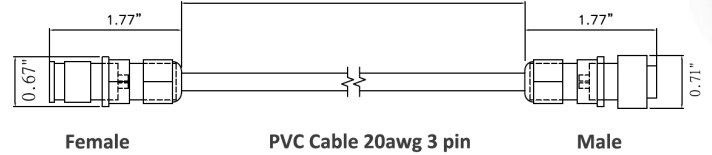


#### DESCRIPTION

3 pin power jumper

#### PART NUMBER

AL-HB3P-xx"- J



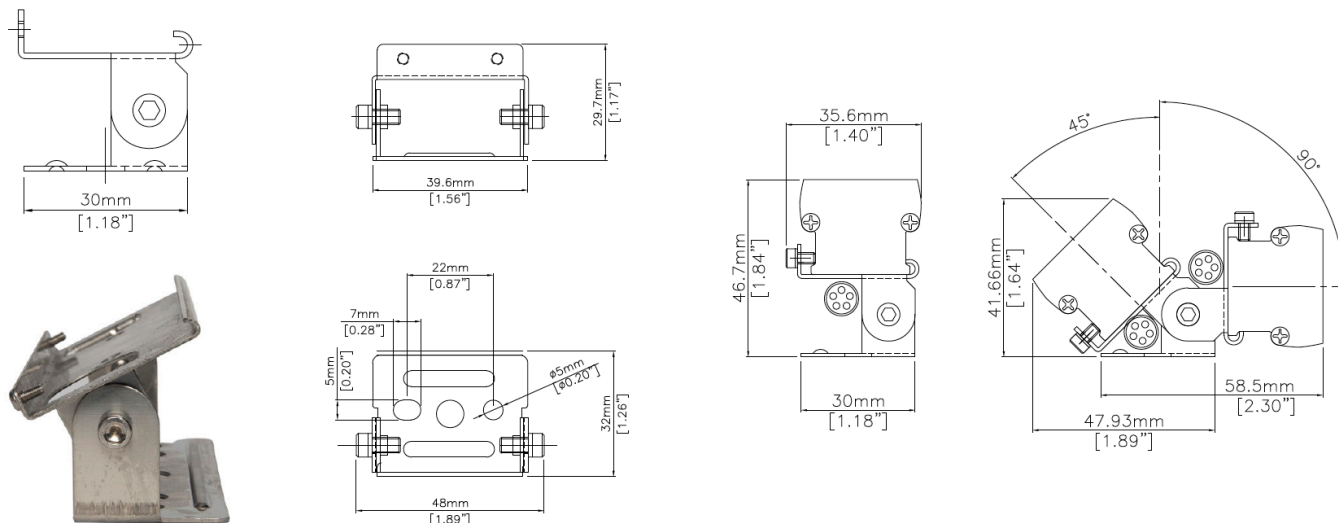
### ADJUSTABLE BRACKETS

#### DESCRIPTION

HB30 Adjustable Bracket

#### PART NUMBER

AL-HB30 ADJ.Bracket



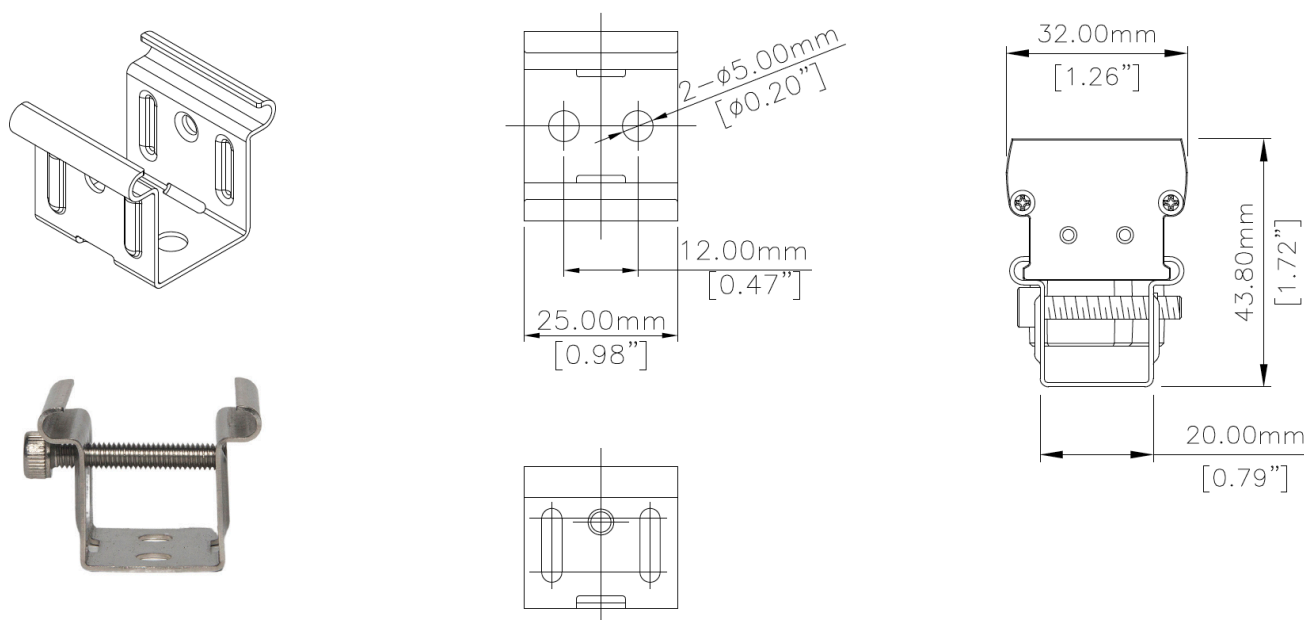
### FLAT BRACKETS

#### 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.

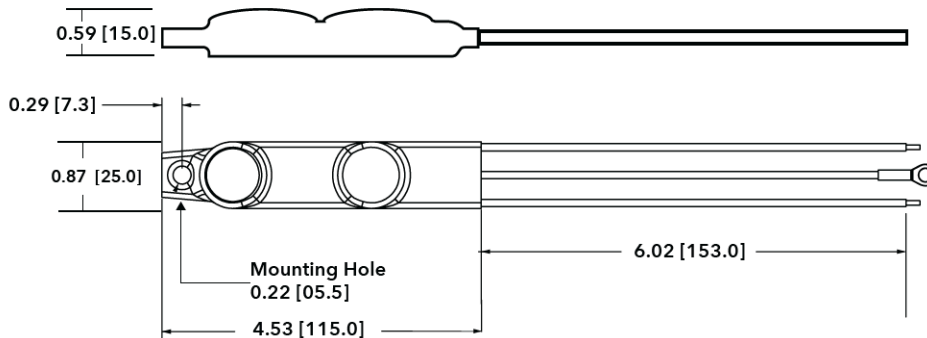
#### SPECIFICATIONS

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

