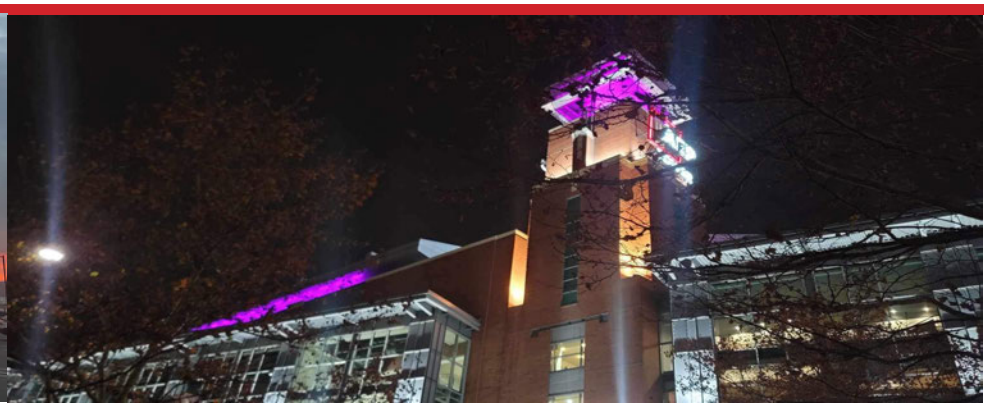
TSLC
THE SMART LIGHTING COMPANY

Date: .....
Type: .....
Project: .....
Firm: .....





HB3016 RGBW

EXTERIOR LINEAR LED LIGHTBAR

POWERFUL | COMPACT | LOW PROFILE
6w/ft | 226lm/ft | RGBW | DMX







Grazing | Wall Washing | Cove | General Lighting

The Smart Lighting Company HB3016 RGBW Series is an economical high-performance, color-changing LED luminaire encased in a compact, low-profile package, engineered to deliver exceptional lighting for grazing, washing, cove, and general applications. Powered by a universal 100/277VAC driver and available in four adaptable sizes, it offers a spectrum of color temperatures to meet your design requirements. Our selection of Nichia bin-sorted LEDs ensures a bright, uniform output, renowned for its quality among architects and lighting designers. The energy-efficient optical lenses are fine-tuned to maximize luminosity with minimal power usage. Robustly built with an extruded anodized aluminum housing and precise tooled end caps, the fixture is IP66 rated.
The HB3016 RGBW is designed for quick and efficient installation, featuring Plug and Play connectors and self-addressing for easy integration into DMX control systems. It offers extensive customization options, including adjustable length, various optics, multiple mounting choices, and a range of finishes.

DIMMABLE IP66 LM80 TESTED LEDS CSA c UL us LISTED NICHIA

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technology by LEDpower™ TSLC THE SMART LIGHTING COMPANY

HB3016 EXTERIOR LINEAR RGBW LED LIGHTBAR

SPECIFICATIONS

Date: .....
Type: .....
Project: .....
Firm: .....

PERFORMANCE

Output
6w/ft (5.4w/ft System) | 217lm/ft

Color Temperatures
RGBW

Beam Angles
15°, 20°, 30°, 45°, 60°, 75°, 90°, 120°, 18°x26°, 30°x60°

LEDs per Foot
16 (4R, 4G, 4B, 4W)

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 (one cable for power and signal)

Lumen Maintenance
90,000hrs

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

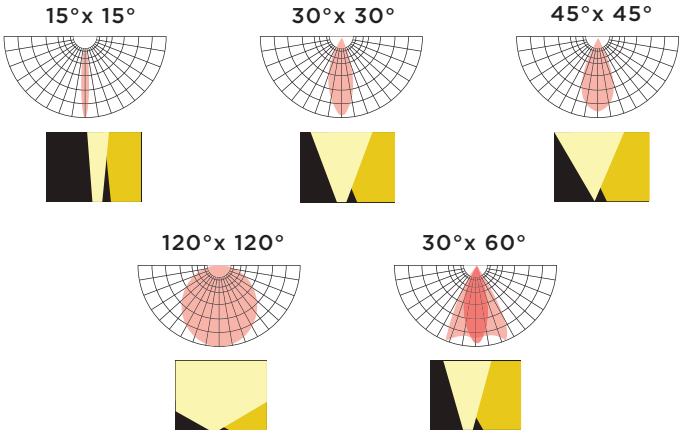
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HB3016 EXTERIOR LINEAR RGBW LED LIGHTBAR

SPECIFICATIONS

Date: .....
Type: .....
Project: .....
Firm: .....

OPTICS



COLOR TEMPERATURES

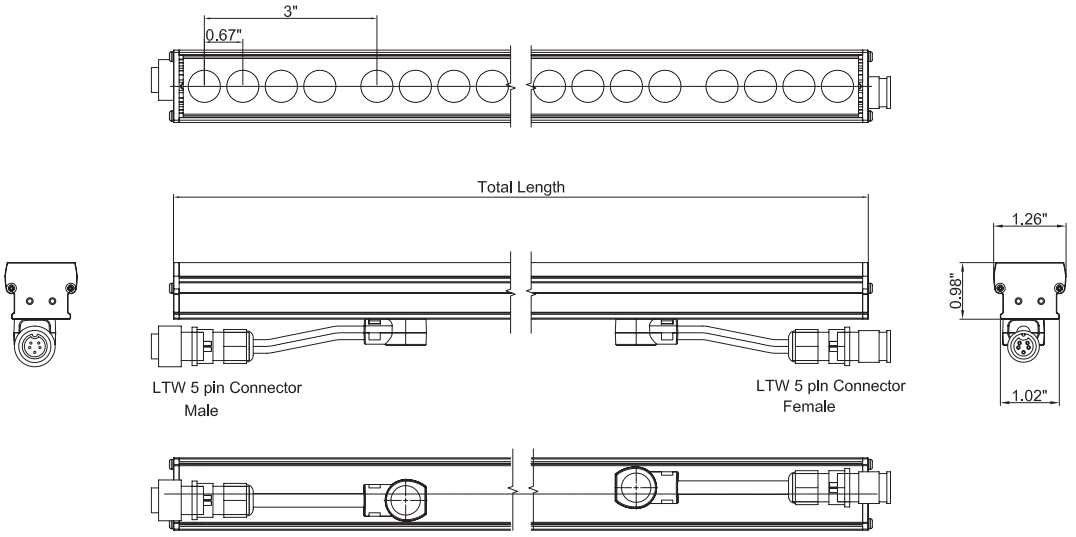


RGBW

DIMENSIONS AND DATA

6w/ft	Voltage	View Angle	Watts/ Fixture	Lumens/ Fixture	LEDs/ fixture	Extrusion Length	Total Length
HB3016-12-RGBW-XXD-AC-DX	100-277VAC	15°, 30° 45°,60° 75°, 90° 120° 30°x60°	6w	226	4R,4G,4B,4W	L=301.8mm	L=306.8mm (12.1”)
HB3016-24-RGBW-XXD-AC-DX			11.4w	452	8R,8G,8B,8W	L=606.8mm	L=611.8mm (24.1”)
HB3016-36-RGBW-XXD-AC-DX			16.8w	678	12R,12G,12B,12W	L=911.4mm	L=916.4mm (36.1”)
HB3016-48-RGBW-XXD-AC-DX			22.4w	904	16R,16G,16B,16W	L=1216.2mm	L=1221.2mm (48.1”)

PROFILE



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HB3016 EXTERIOR LINEAR RGBW LED LIGHTBAR

ORDER FORM

Date: .....
Type: .....
Project: .....
Firm: .....

CREATE YOUR FIXTURE

Ex: HB3016-48-RGBW65-30-AC-DM

MODEL

HB3016	6w/ft

LENGTH

12"	12 inches
24"	24 inches
36"	36 inches
48"	48 inches

COLOR

RGBW	27k	2700k
Select the W - 30k is standard	30k	3000k
	35k	3500k
	41k	4100k
	50k	5000k
	65k	6500k
	A	Amber

OPTICS

15	15°x15°	1826	18°x26°
20	20°x20°	3060	30°x60°
30	30°x30°		
45°	45°x45°		
60°	60°x60°		
75°	75°x75°		
90°	90°x90°		
120	120°x120°		

VOLTAGE

AC	100-277vac

CONTROL

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*

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.*

SELECT MOUNTING

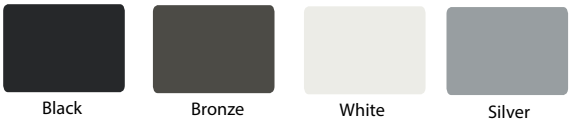
QTY	MOUNTING BRACKETS - 2 PER FIXTURE	
	AL-HB30-ADJ BRACKET	HB30 Adjustable bracket
	AL-HB30-FLAT BRACKET	HB30 Flat bracket

** 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



Black Bronze White Silver

** Fixture housing is anodized aluminum standard*

Surge Protection

QTY		
	LSP4-UNV	120/277v surge protector

Junction Boxes

QTY		
	AC4A-3WB1-M	Power and signal wire splitter
	AC4A-3WB2-M	AC Power amplifier for long run lengths
	AC4A-3WB3-M	Power and signal with wires

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

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POWER/SIGNAL

DISTRIBUTION BOXES

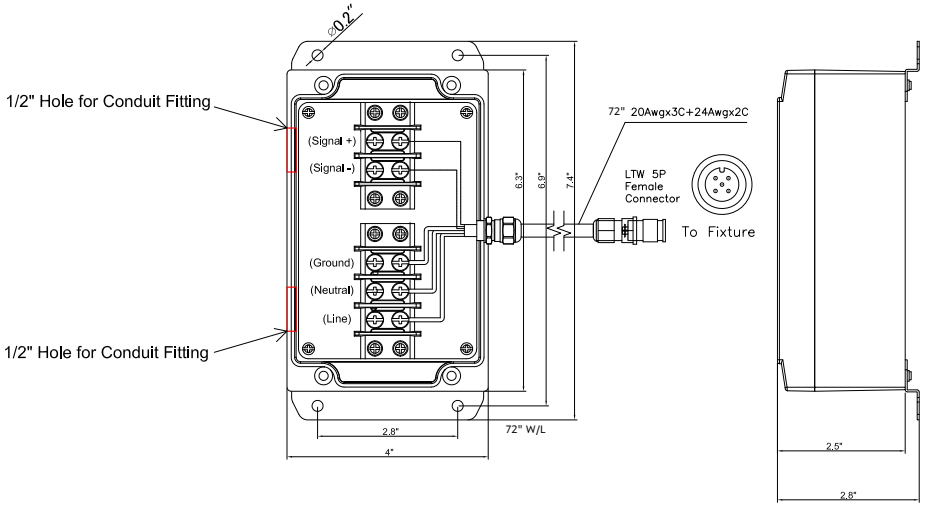
Used at the beginning of the run – All HB30 and HB40 Series

METAL JUNCTION BOX – POWER AND SIGNAL SPLITTER WITHOUT INPUT WIRES

JUNCTION BOX
AC4A-3WB1-M

INPUT
1/2" hole for conduit fitting for AC power
1/2" hole for conduit fitting for Signal

OUTPUT
72" Cable w 5P Female 5A Connector

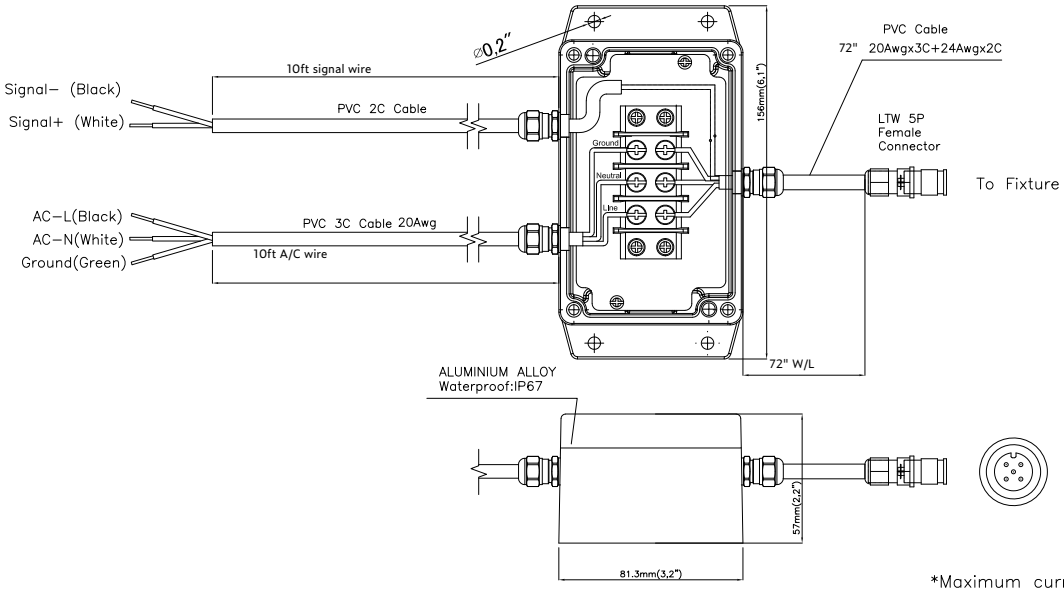


METAL JUNCTION BOX – POWER AND SIGNAL SPLITTER WITH INPUT WIRES

JUNCTION BOX
AC4A-3WB3-M

INPUT
10ft PVC 2C Cable for signal
10ft PVC 3C Cable for AC

OUTPUT
72" Cable w 5P Female 5A Connector



*Maximum current 4Amp

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POWER/SIGNAL

DISTRIBUTION BOXES

Used in the middle of the run – All HB30 and HB40 Series

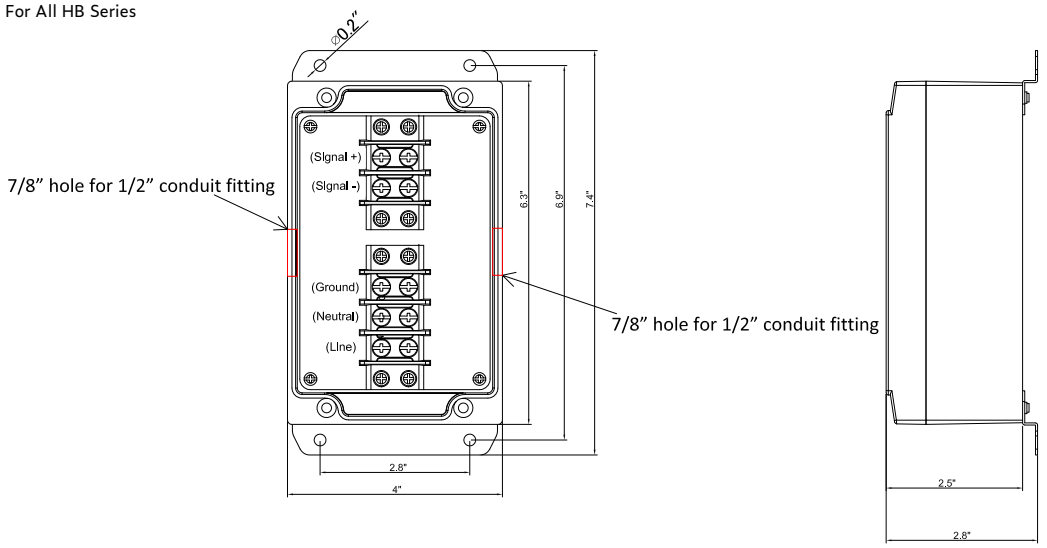
METAL JUNCTION BOX–AC POWER AND SIGNAL FOR LONG RUN LENGTHS FOR AC AND SIGNAL WIRE CONNECTION

JUNCTION BOX
AC-2WB2-M

INPUT
12” PVC Cable w/ 5P Male 5A Connector

OUTPUT
12” PVC Cable w/ 5P Female 5A Connector

For All HB Series

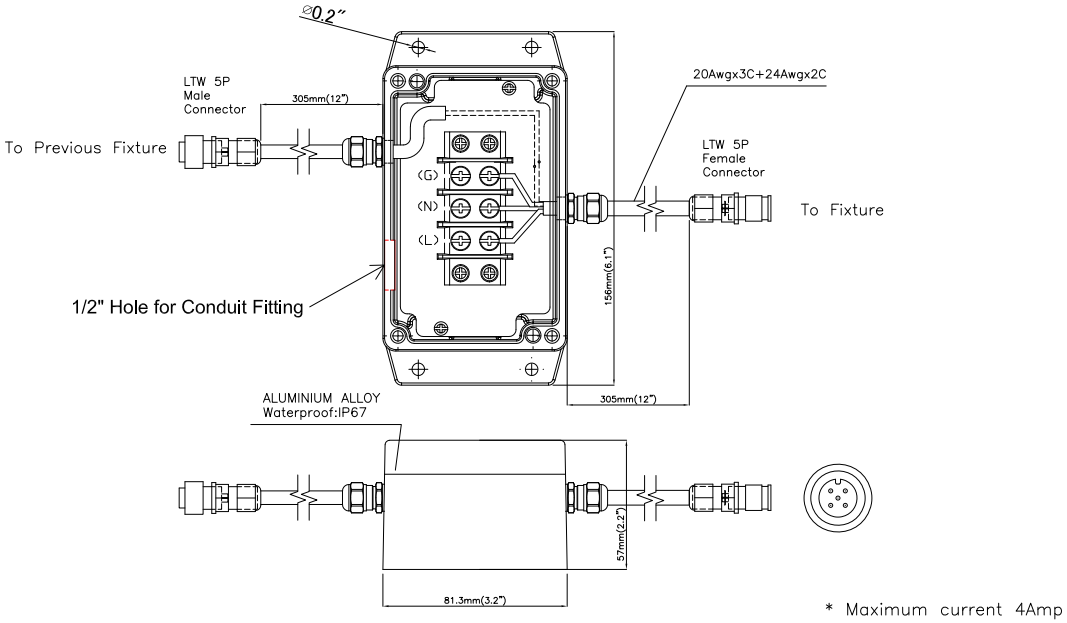


METAL JUNCTION BOX–AC POWER AMPLIFIER FOR LONG RUN LENGTHS

JUNCTION BOX
AC4A-3WB2-M

INPUT
12” PVC Cable w/ 5P Male 5A Connector

OUTPUT
12” PVC Cable w/ 5P Female 5A Connector



* Maximum current 4Amp

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HB30 SERIES

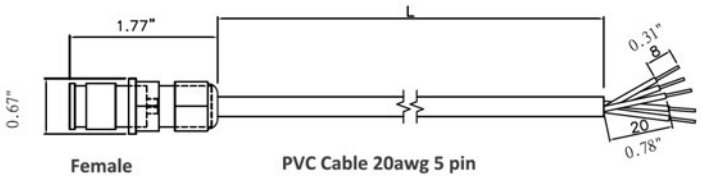
WIRING OPTIONS

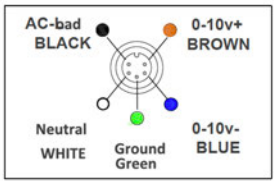
Date: .....
Type: .....
Project: .....
Firm: .....

WIRE LEAD

DESCRIPTION
5 pin power / signal wire

PART NUMBER
AL-HB5P-xx”-W/L

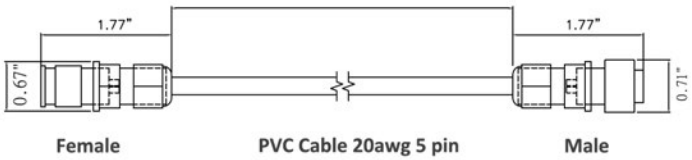


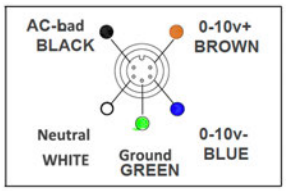


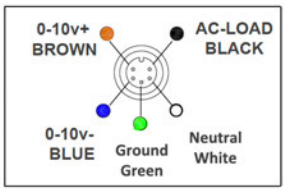
JUMPER CABLE

DESCRIPTION
5 pin power / signal jumper

PART NUMBER
AL-HB5P-xx”-W/L







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HB30 SERIES

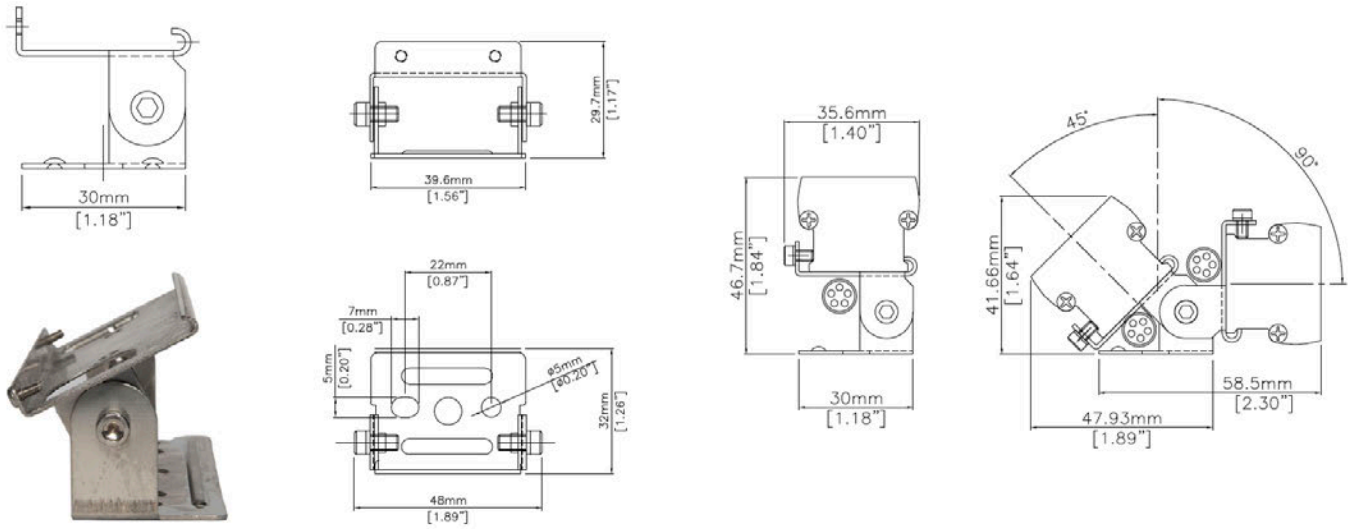
MOUNTING BRACKETS

Date: .....
Type: .....
Project: .....
Firm: .....

ADJUSTABLE BRACKETS

DESCRIPTION
HB30 Adjustable Bracket

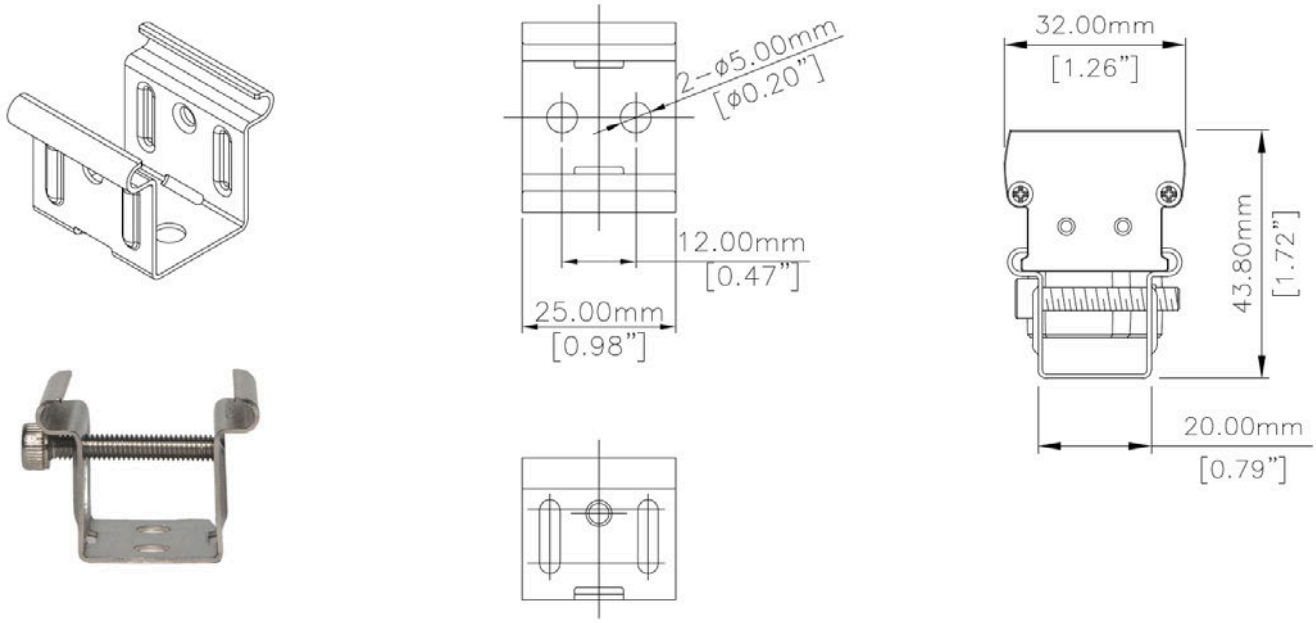
PART NUMBER
AL-HB30 ADJ.Bracket



FLAT BRACKETS

DESCRIPTION
HB30 Flat Bracket

PART NUMBER
AL-HB30-Flat Bracket



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HB30 SERIES

ORDER FORM

Date: .....
Type: .....
Project: .....
Firm: .....

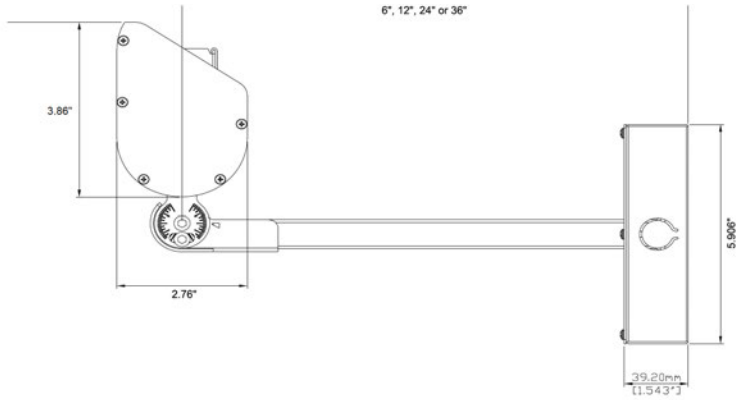
ADDITIONAL MOUNTING OPTIONS

Housing and Extended Arms

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

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



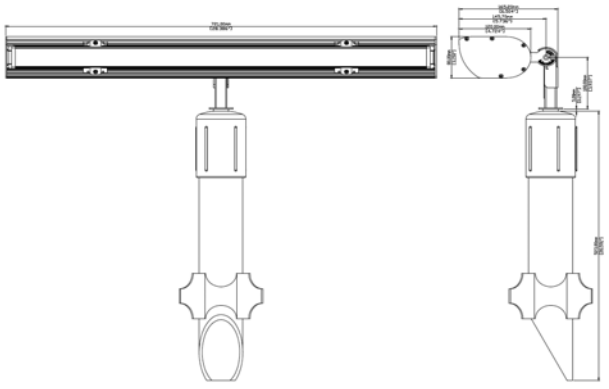


Ground Posts

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.





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HB30 SERIES

GLARE PROTECTION

Date: .....
Type: .....
Project: .....
Firm: .....

LOUVERS

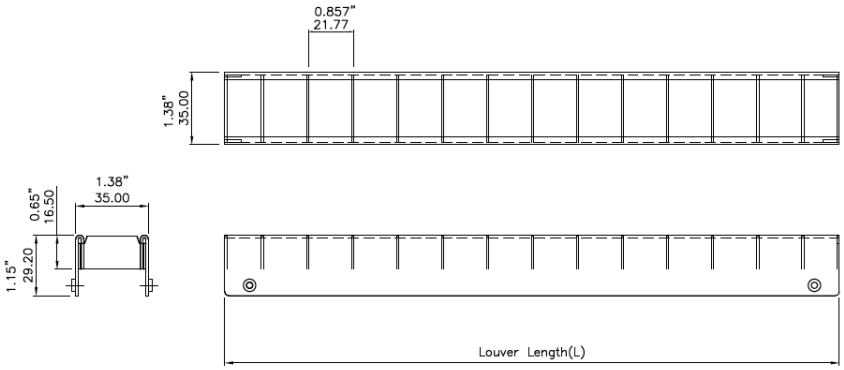
Glare Control

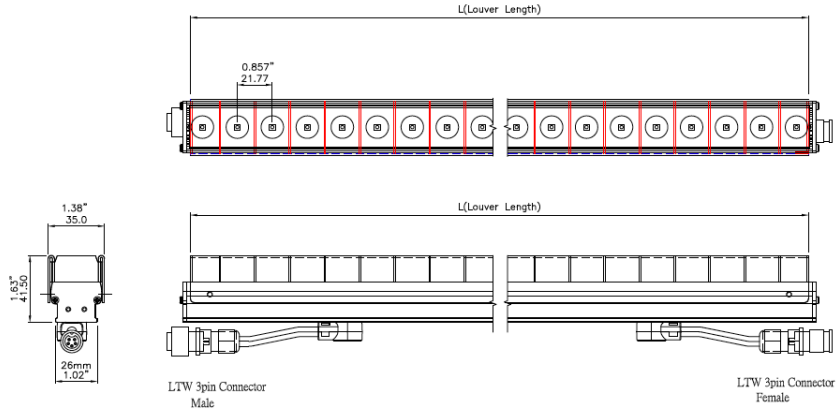
Standard black finish powder coated louvers

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*







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HB30 SERIES

SURGE PROTECTION DEVICE

Date: .....
Type: .....
Project: .....
Firm: .....

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.

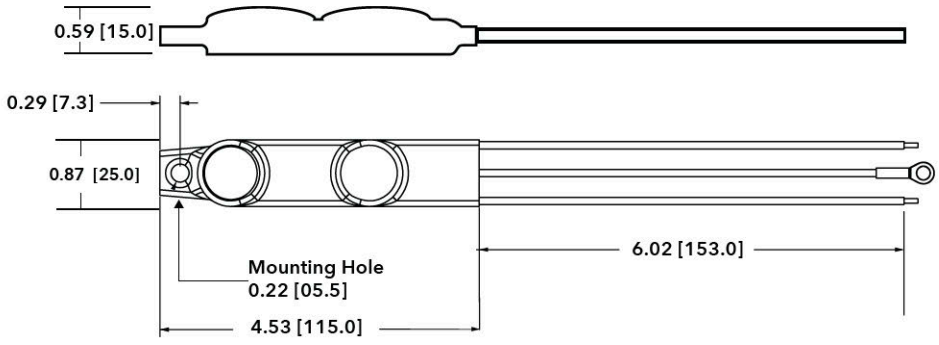
SPECIFICATIONS

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

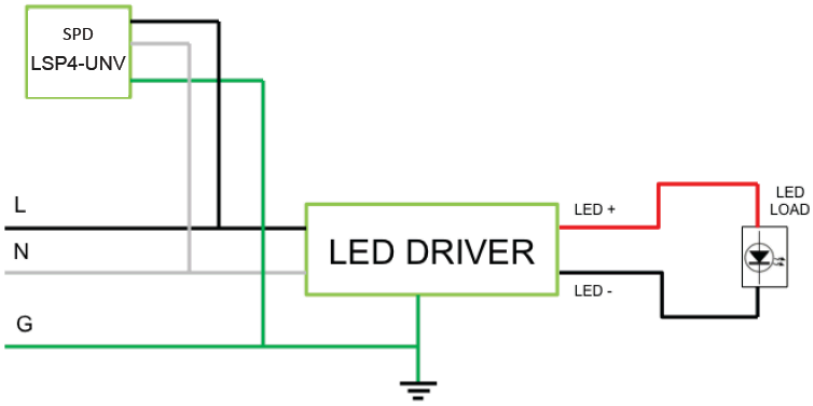
**1 strike at 20,000A*

MECHANICAL DIMENSIONS : IN (MM)





WIRING DIAGRAM



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