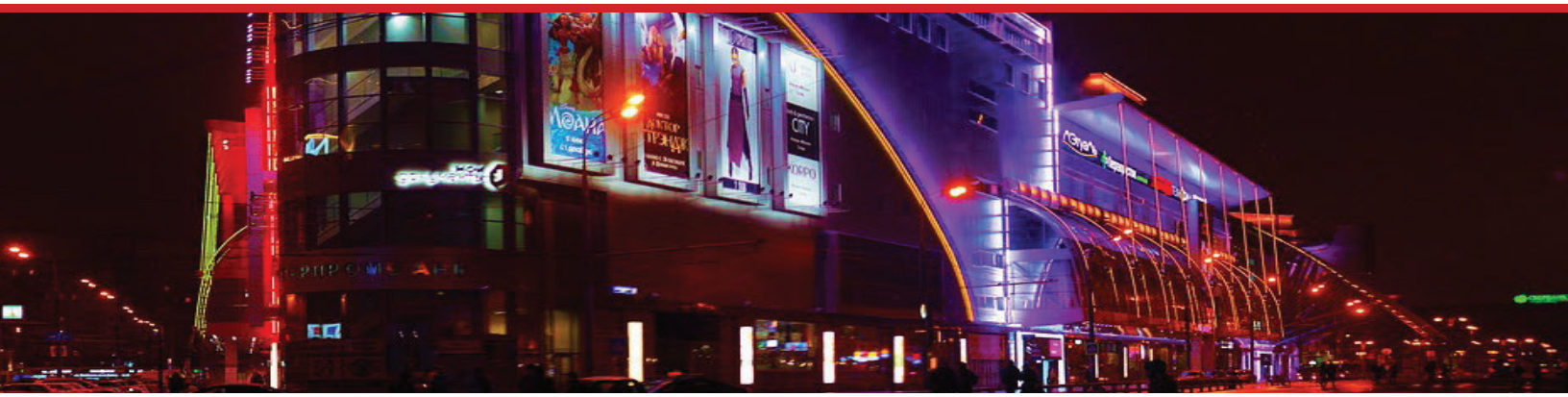
TSLC
THE SMART LIGHTING COMPANY

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



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.

DIMMABLE IP66 LM80 TESTED LEDS CSA c UL us LISTED NICHIA

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technology by LEDpower

TSLC THE SMART LIGHTING COMPANY

HB3015 EXTERIOR LINEAR LED LIGHTBAR

SPECIFICATIONS

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

PERFORMANCE

Output
6w/ft

Color Temperatures
RGB

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

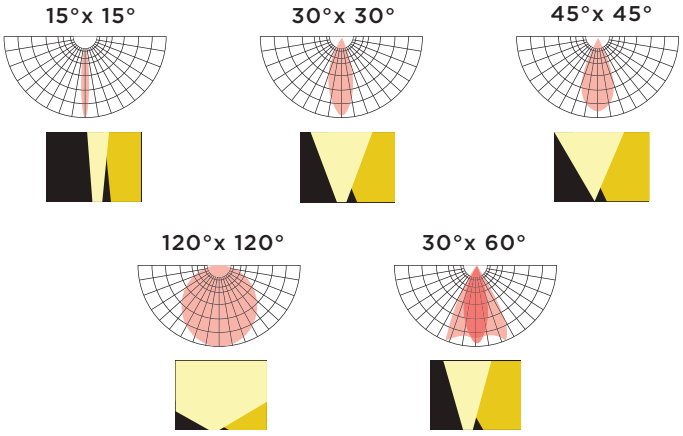
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HB3015 EXTERIOR LINEAR LED LIGHTBAR

SPECIFICATIONS

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

OPTICS



COLOR TEMPERATURES

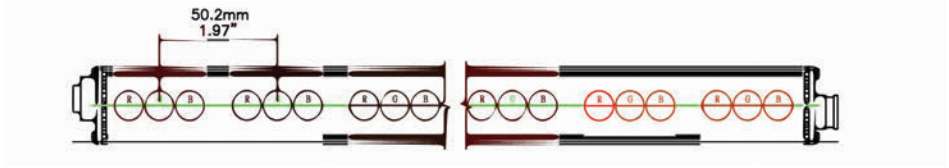


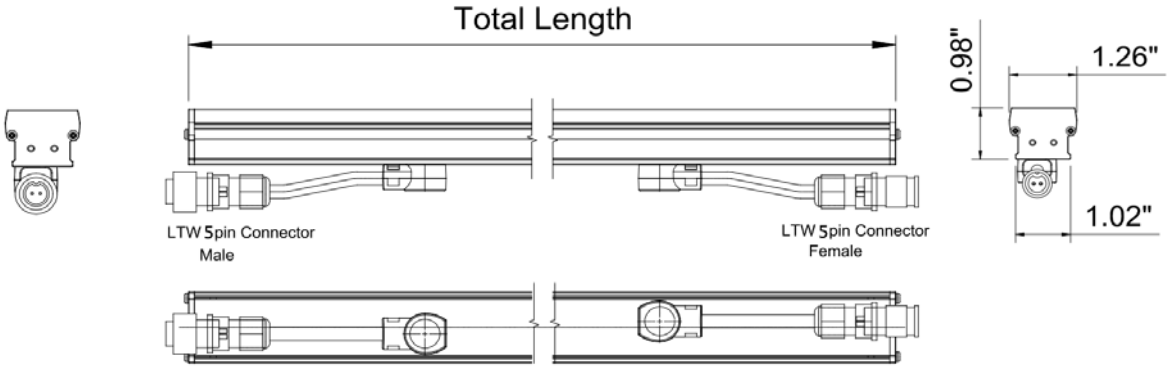
RGB

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° 60°, 75°, 90°, 120° 30°x60°	6w	TBD	5R,5G,5B	L=301.8mm	L=306.8mm (12.1”)
HB3015-24-RGB-XXD-AC-DX			11.4w	TBD	10R, 10G, 10B	L=606.8mm	L=611.8mm (24.1”)
HB3015-36-RGB-XXD-AC-DX			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





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HB3015 EXTERIOR LINEAR RGB LED LIGHTBAR

ORDER FORM

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

CREATE YOUR FIXTURE

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

MODEL

HB3015

LENGTH

12”	12 inches
24”	24 inches
36”	36 inches
48”	48 inches

COLOR

RGB	RGB

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 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.*

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*

Junction Boxes

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

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

Surge Protection

QTY		
	LSP4-UNV	120/277v surge protector

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POWER/SIGNAL

DISTRIBUTION BOXES

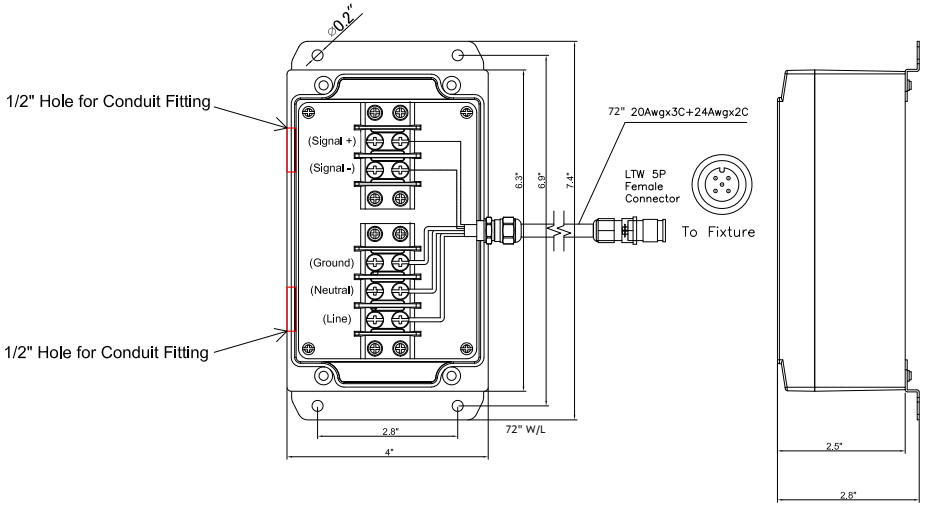
Used at the beginning of the run – All HB30 and HB40 Series

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

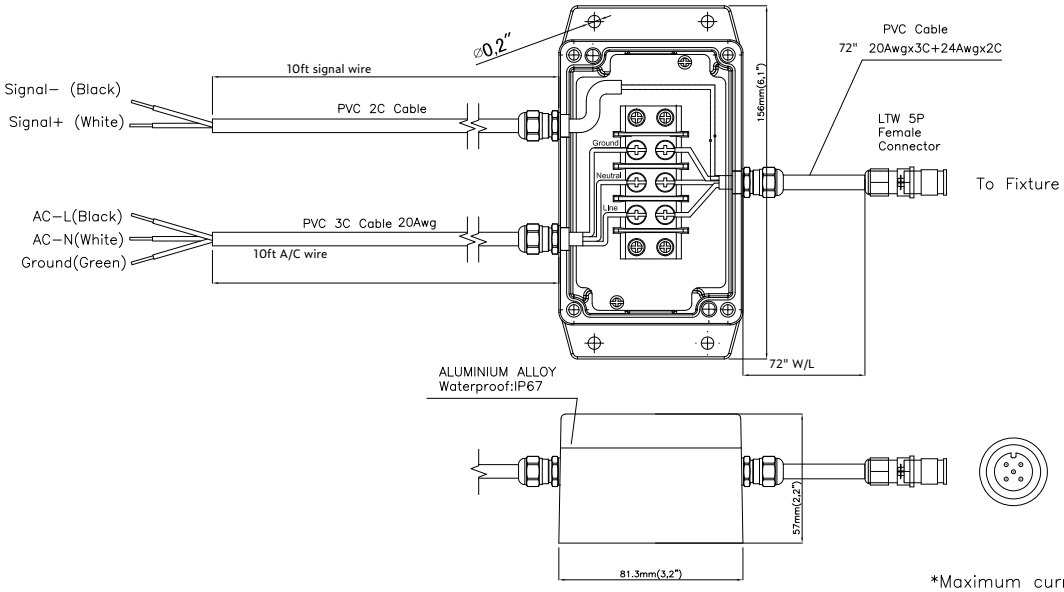


METAL JUNCTION BOX – POWER AND SIGNAL SPLITTER WITH INPUT WIRES

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

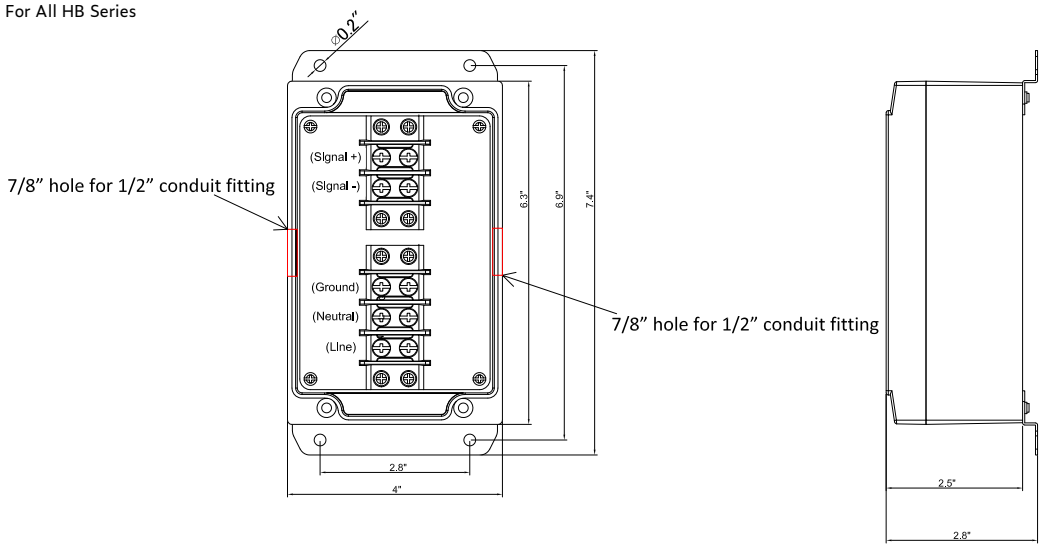
METAL JUNCTION BOX–AC POWER AND SIGNAL FOR LONG RUN LENGTHS FOR AC AND SIGNAL WIRE CONNECTION

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

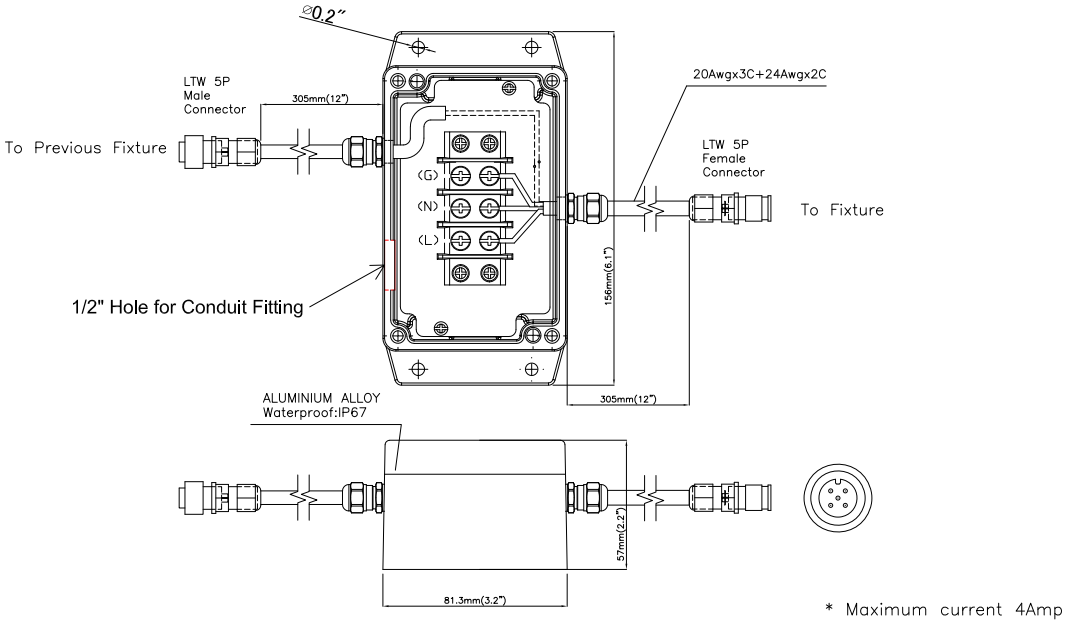


METAL JUNCTION BOX–AC POWER AMPLIFIER FOR LONG RUN LENGTHS

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

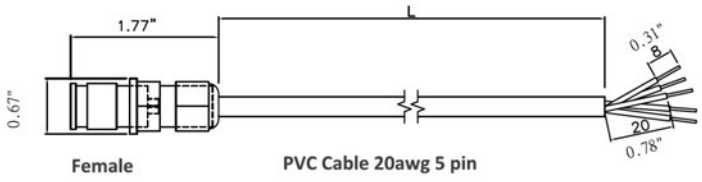
WIRING OPTIONS

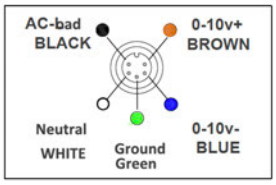
Date: .....
Type: .....
Project: .....
Firm: .....

WIRE LEAD

DESCRIPTION
5 pin power / signal wire

PART NUMBER
AL-HB5P-xx”-W/L

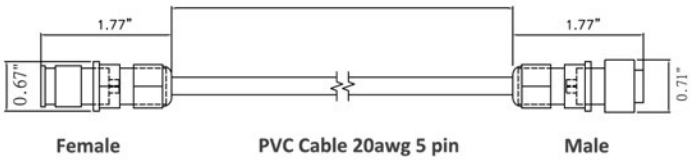


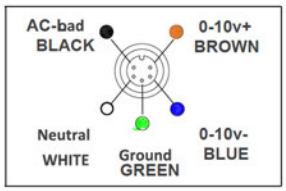


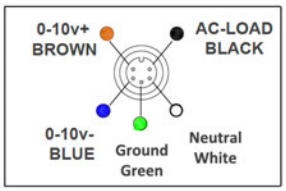
JUMPER CABLE

DESCRIPTION
5 pin power / signal jumper

PART NUMBER
AL-HB5P-xx”-W/L







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HB30 SERIES

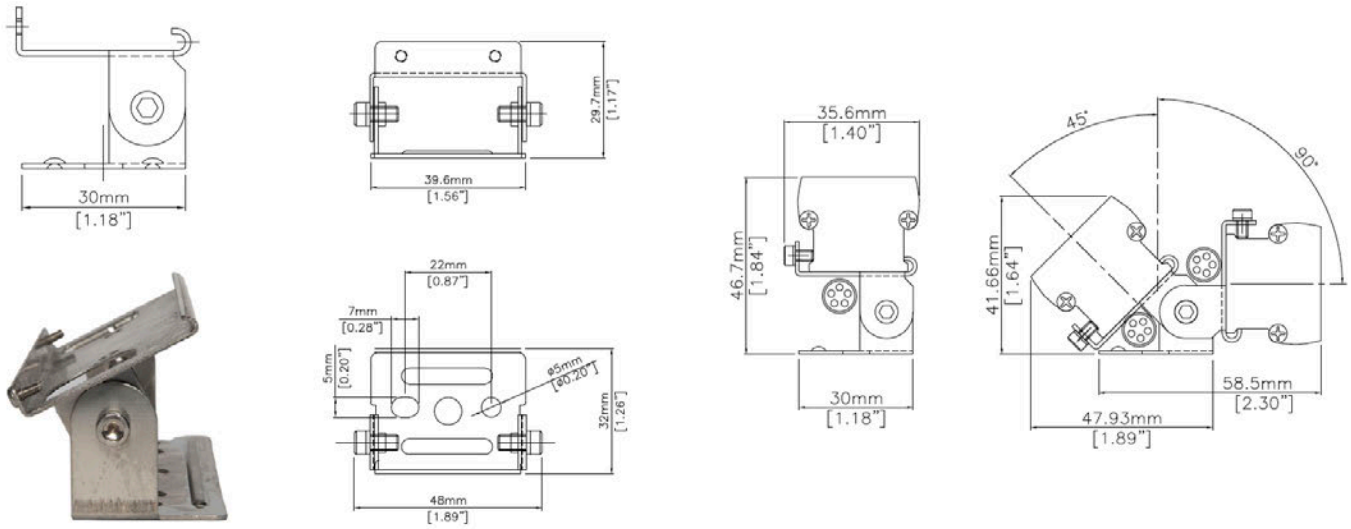
MOUNTING BRACKETS

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

ADJUSTABLE BRACKETS

DESCRIPTION
HB30 Adjustable Bracket

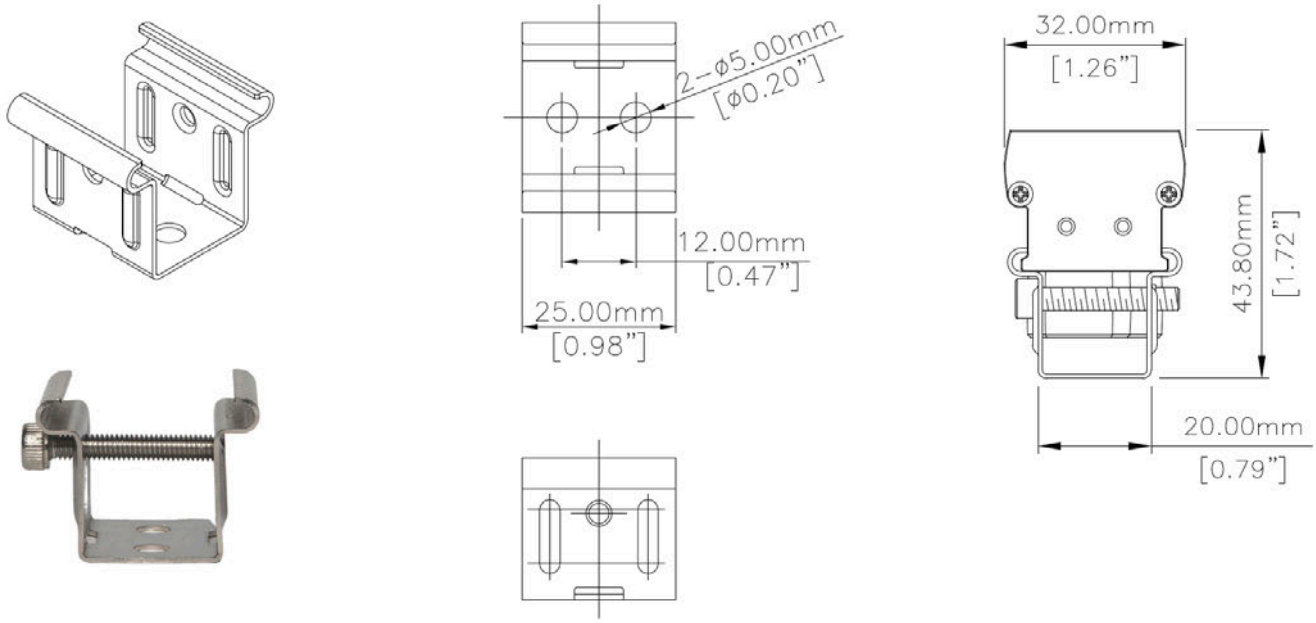
PART NUMBER
AL-HB30 ADJ.Bracket



FLAT BRACKETS

DESCRIPTION
HB30 Flat Bracket

PART NUMBER
AL-HB30-Flat Bracket



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HB30 SERIES

ORDER FORM

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

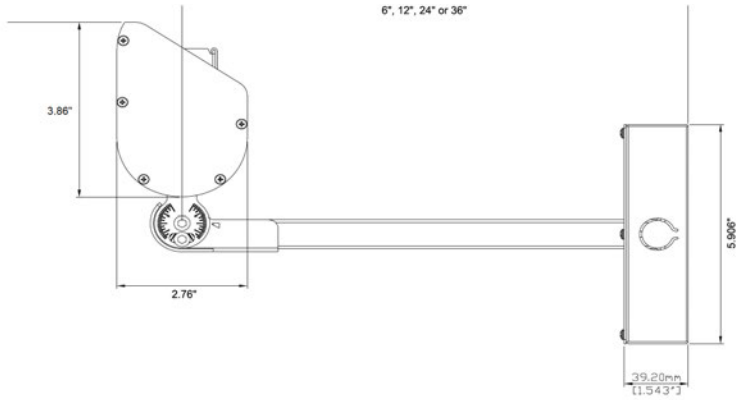
ADDITIONAL MOUNTING OPTIONS

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)





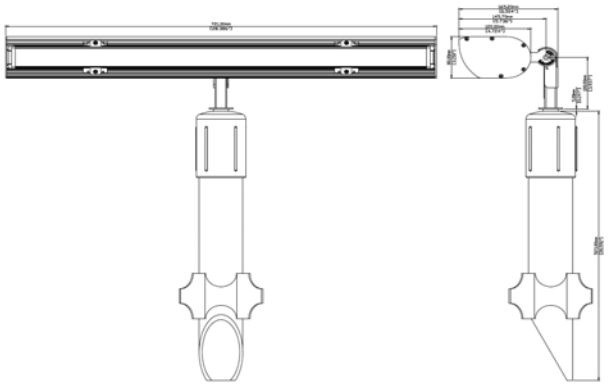
Ground Posts

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

QTY		
	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

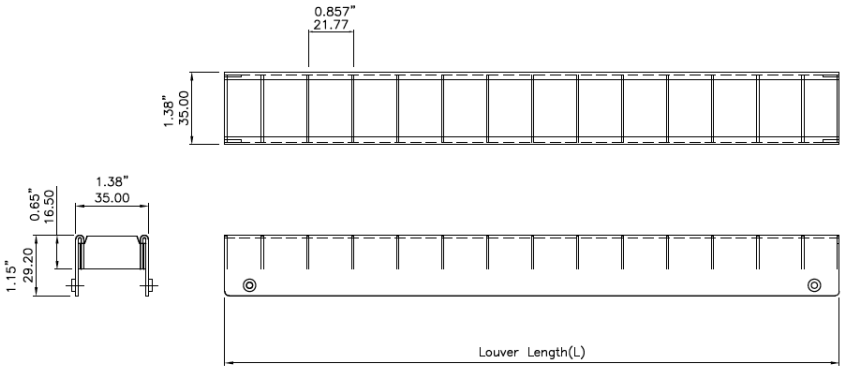
Glare Control

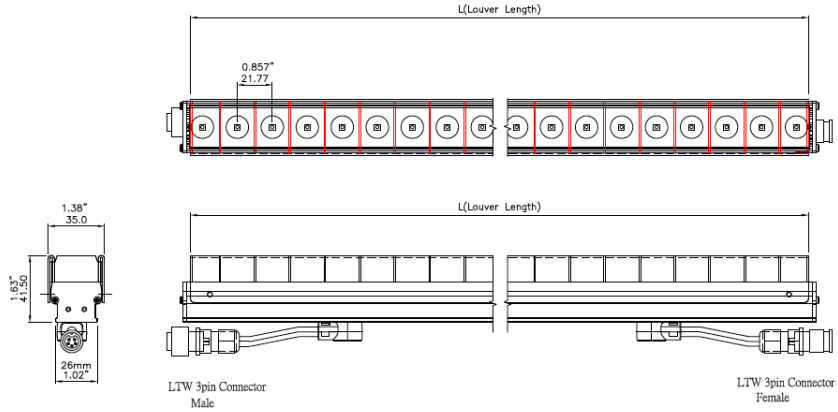
Standard black finish powder coated louvers

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.

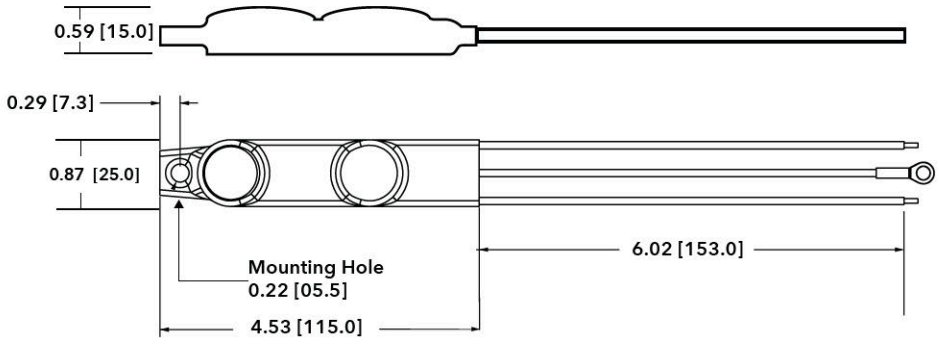
SPECIFICATIONS

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

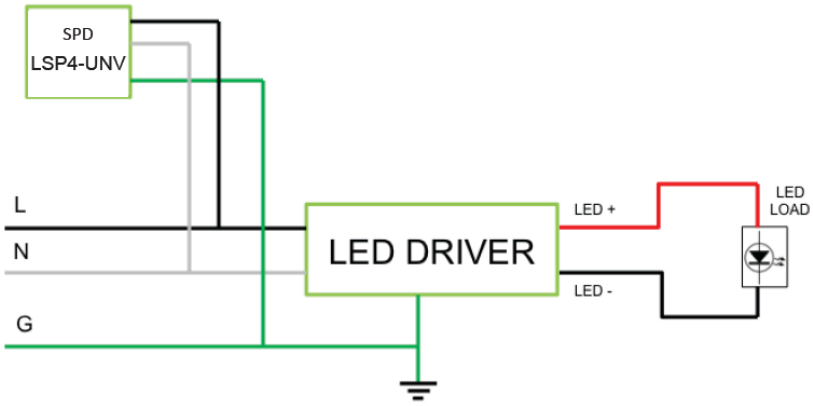
**1 strike at 20,000A*

MECHANICAL DIMENSIONS : IN (MM)





WIRING DIAGRAM



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